

## HONORS AND AWARDS

The honors program of the Society has as its basic objective the advancement of the engineering profession by emphasizing exceptional service, either through research, publication or career achievement. The awards are conferred by the Board of Direction, in the name of the Society, on the recommendation of the Society's Organizational Entities as designated in the rules for each award. The requirements for establishing new awards are contained in Rules of Policy and Procedure 10.2.

A Society Award is defined as an award that not only serves to advance the science and profession of engineering, but also whose recipients are approved by either the Board of Direction or ASCE Executive Committee. In addition, a Society Award is one for which the Society has all supporting funds and the rights of administration.

No award is presented in any year in which the selection committee is unable to identify a nominee that fulfills the award criteria and shows exceptional merit.

Nominations for Society awards are welcome by the deadline announced for each award.

For each of the awards in the following pages, please note whether the award is presented for achievement or for a paper.

To nominate for achievement, submit the following:

- A cover letter, signed by the nominator
- An Official Award Nomination form
- The nominee's CV or biographical information
- Two or three letters of recommendation

To nominate for a paper, submit the following:

- A cover letter, signed by the nominator
- An Official Award Nomination form
- One copy of the paper

A copy of the Official Award Nomination form can be downloaded at <http://www.asce.org/awards>. Electronic submissions are encouraged to [awards@asce.org](mailto:awards@asce.org) by the announced deadlines. Paper submissions are also accepted, in which case one copy of the complete nomination package should be received by the Honors and Awards Program at the ASCE Headquarters, 1801 Alexander Bell Drive, Reston, VA 20191-4382.

### **Arid Lands Hydraulic Engineering Award**

This award was instituted in 1986 by the endowment of Ibrahim Mahmoud Ellassiouti, hydraulic engineer and M.ASCE, who devoted many years of concern and effort to development of the Nile River. It is administered by the Environmental and Water Resources Institute through the Honors and Awards Program.

- I. The award is given without regard to Society membership.
- II. The award is given on the basis of noteworthy original contribution in hydraulics, hydrology (including climatology), planning, irrigation and drainage, hydroelectric power development, or navigation especially applicable to arid or semi-arid climates. The nominee's publications may be considered in the selection process.
- III. The award is made annually, except that no award is made in a year in which there are no qualified candidates.
- IV. The Subcommittee on Arid Lands shall recommend a winner to the EWRI Awards Committee, which shall seek approval from the Governing Board of the Environmental and Water Resources Institute. The Subcommittee on Arid Lands is composed of the three past Arid Lands Award recipients; Chair-Elect of the EWRI Awards Committee, who shall serve as the chair; and one representative from the Watershed Council; one representative from the Hydraulics and Waterways Council; and one representative from the Irrigation and Drainage Council. The Governing Board of the Environmental and Water Resources Institute shall submit their nominations to the Executive Committee of the ASCE Board of Direction of the Society for approval.

- V. Nominees not selected in a given year will be held over for consideration through the next cycle. At the end of the second cycle, nominees not chosen will no longer be eligible for consideration, except that nominators who wish for their candidate to be considered for another two cycle period must produce a new nomination package.
- VI. The award consists of a plaque suitably inscribed and a cash prize determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment.

To nominate for this award, follow the outline on Honors and Awards, Arid Lands Hydraulic Engineering Award. Nominations should reach the ASCE Headquarters by October 1.

Awards have been made as follows:

2007	DAVID C. GOODRICH, Ph.D., P.E., M.ASCE	2009	RAO S. GOVINDARAJU, Ph.D., M.ASCE
2008	ALLEN T. HJELMFELT, JR., Ph.D., P.E., F.ASCE	2010	DONALD K. FREVERT, Ph.D., P.E., D.WRE, F.ASCE
		2011	UPMANU LALL, Ph.D., M.ASCE

### ASCE Excellence in Journalism Award

In 1994, ASCE established the Excellence in Journalism Award to honor newspaper journalists for outstanding articles that enhance public understanding of the role and impact of civil engineering in designing solutions for clean water, transportation, the environment and other public works projects. In 2006, the award was expanded to include journalists and producers from English-language, general-interest regional and national newspapers, radio and television stations, magazines, and electronic and Web-based news outlets.

The news media wield tremendous impact on public opinion about civil engineers and civil engineering-related issues. For example, news coverage can influence vital infrastructure legislation, licensing laws and building codes. Coverage also can affect talented young people's decisions to pursue careers in civil engineering.

Through this annual national award, ASCE hopes to encourage continued coverage of civil engineering and related issues as a means of engaging the public in the civil engineering initiatives impacting their community.

- I. The award is judged by the Committee on Communications (CCOM) and approved by the Executive Committee of the ASCE Board of Direction. CCOM can present the Award to one or more nominees, give honorable mention awards, or bestow no award at all. The award is presented at ASCE's Outstanding Projects and Leaders (OPAL) Awards Gala.
- II. CCOM recommends to the Executive Committee of the ASCE Board of Direction for final approval a recipient who is judged superior based on how well they a) fairly cover all sides of the civil engineering project or issue; b) accurately describe the civil engineering project or issue; c) effectively explain how the project or outcome of the issue benefits the community or region; d) clearly show the civil engineer's role; e) include the most knowledgeable civil engineering experts; and f) advance public knowledge and understanding of the civil engineering profession and its issues.
- III. The award includes a trophy and cash honorarium which shall be sufficient to reimburse travel expenses to attend the OPAL Awards Gala in order to receive the award in person. The award is self-supporting. Allowable expenses are funded from an endowment created by contributions.
- IV. The award encourages participation by ASCE Sections and Branches in the form of nomination submission and the sponsorship of local awards programs. CCOM or individual members can also submit nominations, and journalists, editors and producers may nominate themselves or their colleagues.
- V. Nominations should be submitted to the ASCE Communications Department by Sept. 15, 2011. A nomination form is required. Contact the Communications Department for a nomination form and detailed guidelines for submission.
- VI. The award honors stories from general-interest, English-language, non-trade related, regional and national newspapers, magazines, electronic/Web-based news outlets, and radio and television stations.
- VII. The story must appear between Nov. 1, 2011 and Aug. 31, 2012.

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VIII. If a story is co-authored or co-produced, at least one of the reporters must be a full-time journalist.

Awards have been made as follows:

2006	LARRY VAN DYNE, <i>Washingtonian Magazine</i>	NATHANIEL LEVINE, <i>The Sacramento Bee</i>
2007	LARRY VAN DYNE, <i>Washingtonian Magazine</i> ; Honorable Mention: TOM AVRIL, <i>The Philadelphia Inquirer</i>	2010 HENRY SCHIPPER, documentary producer; Honorable Mention: RON SEELY, <i>Wisconsin State Journal</i>
2008	VERONICA CASTELO and JENNA HILLER, <i>News 8 Austin</i> ; Honorable Mention: TONY BIZJAK and	2011 JOHN MURPHY-TEIXIDOR, producer, <i>CNN Money</i> ; Honorable Mention: TONY ILLIA, <i>Boulder City Review</i>

### ASCE Presidents' Award

The ASCE Presidents' Award was established in America's Bicentennial Year in commemoration of the nation's first President, who was a civil engineer and land surveyor. The award was officially instituted by action of the Board of Direction in April 1976, and funded by voluntary contributions from all of the then living 18 past presidents of the Society. Earle T. Andrews, 1967 President, served as chair of the funding effort.

- I. The award is made annually to an ASCE member who has given distinguished service to the member's country.
- II. ASCE Past Presidents are not eligible for this award.
- III. The recipient may be of any nationality.
- IV. The awardee is nominated by the Presidents-Emeriti Council and approved by the Executive Committee.
- V. The recipient shall receive a specially designed bronze plaque bearing a likeness of George Washington, the name of the recipient, and the year of the award. The awardee will also receive a cash prize determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment.
- VI. The award shall be made at the Annual Meeting of the Society or at such other time or place as might suit the convenience of the Society or the recipient.

Nominations should reach the ASCE Headquarters by September 1.

Awards have been made as follows:

2005	DONALD V.N. ROBERTS, P.E., F.ASCE	2009	JAMES A. RISPOLI, P.E., F.ASCE
2007	DAVID E. DANIEL, Ph.D., P.E., Hon.M.ASCE, NAE	2010	G. WAYNE CLOUGH, Ph.D., P.E., Dist.M.ASCE
		2011	KAMEL AYADI, M.ASCE

### ASCE President's Medal

The ASCE President's Medal was established by the Executive Committee of the ASCE Board of Direction in April 1986.

- I. The award may be presented annually to not more than two individuals per year.
- II. The award recognizes the accomplishments and contributions of eminent engineers to the profession, the Society or the public. Membership in the Society is not a requirement for consideration.
- III. The award shall be conferred at the initiative of the President with the concurrence of the Executive Committee, who may consider recommendations from any source.
- IV. The award consists of a bronze medal depicting the ASCE emblem, obverse, and appropriate engraving, reverse, identifying the award and the recipient(s).
- V. The award shall be presented at the time of the annual meeting or at other suitable occasions at the option of the President.

Awards have been made as follows:

2007	ROBERT S. O'NEIL, P.E., F.ASCE, NAE	2009	ANDREW W. HERRMANN, P.E., F.ASCE; POTENCIANO A. LEONCIO, JR., P.E., M.ASCE
2008	DALE JACOBSON, P.E., BCEE, F.ASCE		

- 2010 CRAIG S. FARKOS, P.E., M.ASCE;  
ALBERT A. GRANT, P.E.,  
Pres.88.ASCE; and RICHARD N.  
WRIGHT, Ph.D., P.E., Dist.M.ASCE,  
NAE
- 2011 PETER D. BINNEY, P.E., M.ASCE  
and GERALD E. GALLOWAY, JR.,  
Ph.D., P.E., Hon.D.WRE,  
Dist.M.ASCE, NAE

### ASCE State-of-the-Art of Civil Engineering Award

Because the science and art of civil engineering can cope with information expansion only if its most gifted practitioners will review and interpret the state-of-the-art for the benefit of their colleagues, in 1966 the professional associates of John D. Winter, M.ASCE, endowed this prize. It is anticipated that a direct benefit of this award will be the scholarly review, evaluation, and documentation of the scientific and technical information needed by the profession.

- I. Annually, each institute and division of the Society shall encourage an individual, individuals, or committees to prepare papers on the status of knowledge in special areas of interest served by the institute and division.
- II. Papers published in a print issue of any ASCE publication in the twelve-month period ending with June of the year preceding the year of award are eligible.
- III. Membership in the Society is not a requirement for consideration.
- IV. Nominations may be submitted by anyone and must be sent directly to the Honors and Awards Program office by October 1. The Honors and Awards Program office will transmit nominations to the appropriate ASCE Organizational Entity for review.
  - a. Nominations sent to the Honors and Awards Program office by October 1 will be transmitted to the appropriate ASCE Organizational Entity.
  - b. Each ASCE Organizational Entity may recommend for review up to two candidate papers for consideration by the Paper Review Committee.
  - c. Only those candidate nominations received by the Honors and Awards Program office from the ASCE Organizational Entity by January 15 will be considered by the Paper Review Committee.
  - d. The nominated papers are reviewed by the Paper Review Committee which shall recommend the recipient(s) to the Society Awards Committee which shall request approval from the Executive Committee of the Board of Direction. The Paper Review Committee shall be composed of two representatives of TAC and one representative of each Institute. Its chair shall be the senior TAC member. Committee members shall serve three-year staggered terms.
- V. The lead author of the winning paper shall receive a plaque. All other authors shall receive a certificate.
- VI. Papers not selected for the award shall be ineligible for re-nomination.
- VII. One award may be presented in any year. Nominations should reach the ASCE Headquarters by October 1.

Awards have been as follows:

- 2005 CRAIG D. ADAMS, M.ASCE
- 2006 JIN-GUANG TENG, Ph.D., M.ASCE and LIK LAM, Ph.D.
- 2007 SATINDER K. BRAR, Ph.D.; MAUSAM VERMA, Ph.D.; RAO Y. SURAMPALLI, Ph.D., P.E., BCEE, F.ASCE; KSHIPRA MISRA, Ph.D.; RAJESHWARD D. TYAGI, Ph.D., M.ASCE; HATHALIE MEUNIER, Ph.D.; and JEAN-FRANCOIS BLAIS, Ph.D.
- 2008 TRACY KIJEWski-CORREA, Ph.D., A.M.ASCE; JOHN KILPATRICK; AHSAN KAREEM, Ph.D., M.ASCE; DAE KUN KWON, M.ASCE; RACHEL BASHOR, S.M.ASCE; MICHAEL C. KOCHLY, S.M.ASCE; BRADLEY YOUNG, P.E., S.E., M.ASCE; AHMAD ABDELRAZAQ, S.E., M.ASCE; JON GALSWORTHY, P.E., M.ASCE; NICHOLAS ISYUMOV, Ph.D., P.E., F.ASCE; DAVE MORRISH; ROBERT SINN, F.ASCE; WILLIAM F. BAKER, JR., P.E., F.ASCE
- 2011 KONSTANTINOS L. KEPAPTSOGLU, Ph.D., M.ASCE and MATTHEW E. KARLAFTIS, Ph.D., P.E., M.ASCE

### Harland Bartholomew Award

The Harland Bartholomew Award was established by the former Urban Planning and Development Division of the Society (now the Transportation & Development Institute) in recognition of the out-

standing professional accomplishments of Harland Batholomew, Hon.M.ASCE. It was instituted by the Board of Direction in 1968.

The award is made to the person who is judged worthy of special commendation for contributions to the enhancement of the role of the civil engineer in urban planning and development. The contribution may be in the form of a paper published by the Society or personal efforts toward reaching that goal.

- I. Only Fellows, Members, and Associate Members of the Society are eligible.
- II. The Awards Committee of T&DI reviews nominations presented by the Honors and Awards program and recommends to the Board of Governors of the T&DI the recipient, if any, for final action by the Executive Committee of the ASCE Board of Direction.
- III. Nominees not selected in a given year may be held over for consideration by the Awards Committee of T&DI, with approval from the Board of Governors of T&DI. The names of these nominees will be conveyed to the Honors and Awards program office.
- IV. The award consists of a plaque.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters office by November 1.

Awards have been made as follows:

2006	JON D. FRICKER, Ph.D., P.E., M.ASCE	2008	ARUN CHATTERJEE, Ph.D., P.E., F.ASCE
2007	KARA M. KOCKELMAN, Ph.D., P.E., M.ASCE	2009	LESTER A. HOEL, Eng.D., P.E., F.ASCE, NAE
		2011	SUE McNEIL, Ph.D., P.E., M.ASCE

### Stephen D. Bechtel, Jr. Energy Award

The Stephen D. Bechtel, Jr. Energy Award was established to recognize outstanding achievements in the energy field by a civil engineer. The Bechtel Foundation donated funds to support this Award in honor of the contributions made by Stephen D. Bechtel, Jr., F.ASCE, to the engineering profession and his noteworthy advancements in the design and construction of energy projects throughout the world. The Award was established by the Board of Direction in April 1992.

- I. The award may be made annually to a member of ASCE who has made a definite contribution to the advancement of the energy field in research, planning, design or construction. The contribution may have been made in the form of papers or other written presentations, or through outstanding performance or specific noteworthy actions that have served to advance the art, science and technology of the energy field.
- II. Not more than one award of the prize is made each year unless the achievement upon which the award is based is considered to be the joint contribution of more than one person, such as the joint authorship of a paper. No one shall receive the honor more than once.
- III. Each Section and Branch and Technical Division Executive Committee is entitled to enter the name of one nominee annually. These names, and supporting documents, are assembled by the Executive Director and referred to the Executive Committee of the Energy Division.
- IV. The Executive Committee of the Energy Division recommends the recipient, if any, to the Executive Committee of the ASCE Board of Direction for final action.
- V. The award consists of a plaque and cash prize determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction, based on the income from the award endowment. If an award is presented for a joint effort, the lead recipient shall receive the plaque and cash award. Award recipients who are not the lead recipient shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2007	JOHN E. EDINGER, Ph.D., M.ASCE
2010	JAMES G. SOULES, P.E., S.E., P.Eng., F.ASCE
2011	BRUCE J. BLANNING, P.E., M.ASCE

### Stephen D. Bechtel Pipeline Engineering Award

To recognize outstanding achievements in pipeline engineering, the Bechtel Foundation donated funds to support this award in honor of the contributions made by Stephen D. Bechtel, F.ASCE, to the engineering profession and for his noteworthy advancements in the design and construction of pipelines throughout the world. The award was established by the Board of Direction in October 1970.

- I. The award is made annually to a member of the American Society of Civil Engineers who has made a definite contribution to the advancement of pipeline engineering, either in research, planning, design, or construction. Any of these contributions may be made either in the form of papers or other forms of written presentations, or through outstanding performance or specific and noteworthy actions which have served to advance the art, science, and technology of pipeline engineering.
- II. Not more than one award of the prize is made each year unless the achievement upon which the award is based is considered to be the contribution of more than one person, such as the joint authorship of a paper. No one shall receive the honor more than once.
- III. Each Section and Branch and Technical Division Executive Committee shall be entitled to enter the name of one nominee annually. These names, and supporting documents, will be assembled by the Executive Director and referred to the Executive Committee of the Pipeline Division.
- IV. The Executive Committee of the Pipeline Division shall recommend the recipient, if any, to the Executive Committee of the ASCE Board of Direction for final action.
- V. The award consists of a plaque and cash award determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment.
- VI. If the award is presented for a joint effort, the lead recipient shall receive the plaque and cash prize. Award recipients who are not the lead recipient shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2007	HOWARD O. WILSON, P.E., M.ASCE	2010	JOSEPH W. BARSOOM, P.E., L.S., M.ASCE
2008	MEHDI S. ZARGHAMEE, Ph.D., P.E., F.ASCE	2011	JOHN H. BAMBEI, P.E., M.ASCE
2009	WILLIAM C. PISANO, Ph.D., P.E., M.ASCE		

### John O. Bickel Award

This award was established in 1986 by the Board of Direction and endowed by Parsons Brinckerhoff, Inc. in honor of John O. Bickel, a retired partner of the firm, an eminent engineer for rail and vehicular tunnels and for over fifty years an employee of Parsons Brinckerhoff. It is administered by the Construction Institute through the Honors and Awards Program.

- I. Nomination for the John O. Bickel Award is open to all authors, who are either Society or Construction Institute members, of papers or articles as defined in Rule III.
- II. The award consists of an appropriate certificate and a cash prize determined annually by and subject to the approval of the Construction Institute Board of Directors based on the income from the award endowment.

If the award is presented to a group, the lead recipient shall receive the certificate and cash prize. Award recipients who are not the lead recipient shall receive only a certificate.

- III. The award may be awarded annually to the author or authors of the best original article or paper published in a print issue of an ASCE journal during the specified annual period and not previously published concerning the design and/or construction of a rail or vehicular tunnel. Special consideration may be given to articles or papers dealing with tunnels constructed by the immersed or sunken tube method.
- IV. Articles or papers published in the twelve months ending with June of the year preceding the year of award are eligible for consideration.

- V. Nominations will be considered by the Construction Institute's Awards Committee. Its recommendation will be made to the Construction Institute's Board of Directors and subsequently ratified by the Executive Committee of the ASCE Board of Direction.
- VI. One award shall be presented in any year.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2005 GERHARD A. GIRMSCHIED, Ph.D., M.ASCE and CLIFFORD J. SCHEXNAYDER, Ph.D., P.E., F.ASCE

### Maurice A. Biot Medal

This medal was established by the Engineering Mechanics Institute of ASCE to recognize the lifetime achievement of Dr. Maurice A. Biot (1905–1985). The award consists of a medal and a certificate. This award is funded by the generous endowment of Madame Biot, honoring her late husband.

It was instituted by the Board of Direction in 2002.

- I. The medal will be awarded to an individual who has made outstanding research contributions to the mechanics of porous materials.
- II. The medal will ordinarily be granted for cumulative distinguished contributions. In exceptional cases, it may be awarded for a single contribution of outstanding merit. The medal will be awarded every year at the discretion of the selection committee.
- III. The medal will be given without regard for society membership or nationality.
- IV. No individual shall receive the medal more than once.
- V. The award committee will consist of the Engineering Mechanics Institute (EMI) Advisory Board and be chaired by the Chair of the EMI Advisory Board. At the discretion of the Board, one or more outside experts in the above-stated field may be consulted. The ASCE Executive Committee shall approve the Advisory Board's recommendation.
- VI. The medal will be presented at the ASCE national convention, the EMI annual conference, or a national mechanics conference co-sponsored by ASCE. Whenever appropriate, the recipient will be invited to deliver the Maurice A. Biot Lecture in the conference on a topic within the designated subject area of the award.
- VII. Ten years after the establishment of the award, the Executive Committee of the EMI may review and propose modifications to the above criteria and rules. The modifications, however, cannot violate the original intent of the award.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2007	JAMES. R. RICE, Ph.D., M.ASCE	2010	ROBERT W. ZIMMERMAN, Ph.D.
2008	JEAN-FRANCOIS ALLARD, Pr.Dr.Ing.	2011	ZDENĚK P. BAŽANT, Ph.D., S.E., NAS, Hon.M.ASCE, NAE
2009	BERNHARD A. SCHREFLER, Ph.D.		

### CAN-AM Civil Engineering Amity Award

This award was established by ASCE in April 1972 by the initiative and endowment of James A. Vance, Hon.M.ASCE. The objective of the CAN-AM Civil Engineering Amity Award is to give recognition to those civil engineers who have made outstanding and unusual contributions toward the advancement of professional relationships between the civil engineers of the United States of America and Canada.

- I. The award is made annually to a member of the American Society of Civil Engineers (ASCE) or the Canadian Society for Civil Engineering (CSCE) for either a specific instance that has had continuing benefit in understanding and good will, or a career of exemplary professional activity that has contributed to the amity of the United States of America and Canada.
- II. Each Section and Branch of ASCE shall be entitled to enter the name of one nominee annually. The CSCE shall also be invited to nominate an individual who meets the criteria for the award.



These names, and supporting documents, will be assembled by the Executive Director of ASCE and referred to the judging committee.

- III. The annual recommendation as to the recipient, if any, of this Award shall be made by the Awards Committee of the Technical Council on Cold Regions and approved by the ASCE Executive Committee.
- IV. One award is made each year unless the achievement upon which the award is based is considered to be the contribution of more than one person. No one shall receive the honor, or any portion thereof, more than once.
- V. The award shall consist of a medal and cash prize determined annually and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment.

If the award is presented for a group accomplishment, the lead recipient shall receive the medal and cash prize. All other recipients shall receive only a certificate.

- VI. The award shall be presented annually, at an appropriate meeting of ASCE, or at a national convention of the Canadian Society for Civil Engineering (CSCE) if the recipient resides in Canada and is a member of CSCE. The presentation shall be made at an appropriate general function conducted during the course of such convention.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2007	GUY DORE, Ph.D., M.ASCE	2010	THOMAS KRZEWSKI, P.E., D.GE, F.ASCE
2008	STEVEN F. DALY, Ph.D., P.E., D.WRE, M.ASCE	2011	DON HAYLEY, P.E.
2009	DOUGLAS L. KANE, Ph.D., P.E., M.ASCE		

### **Arthur Casagrande Professional Development Award**

This award was established by the Geotechnical Engineering Division (now the Geo-Institute) of ASCE as a memorial to the outstanding contributions of Arthur Casagrande, Hon.M.ASCE, to the teaching, research, and practice of geotechnical engineering. The Award is funded by gifts from the many students, colleagues, and friends of Arthur Casagrande. The award was established to provide professional development opportunities for outstanding young practitioners, researchers, and teachers of geotechnical engineering. It is administered by the Geo-Institute through the Honors and Awards Program.

- I. The award may be given in recognition of outstanding accomplishments as evidenced by completed works, reports, or papers in the field of geotechnical engineering. It is intended to further the professional development of outstanding practitioners, researchers, or teachers of geotechnical engineering. Candidates who are 35 years of age or less on December 31 of the calendar year nominated are eligible.
- II. Membership in the Society is not a requirement for consideration.
- III. The Geo-Institute Board of Governors will recommend for ASCE Executive Committee approval the awardee or, in exceptional cases, not more than two awardees, from nominations made annually by members of the Geo-Institute. Nominations shall be no more than 10 pages in length and should include supporting evidence of distinguished accomplishments by the nominee, together with supporting letters and a brief biography.
- IV. Multiple awards within an award cycle are tendered only if the balance then available in the award fund is adequate for the purpose.
- V. The award consists of a certificate and a cash prize determined annually by, and subject to, the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by August 15.

Awards have been made as follows:

2007	DAVID J. WHITE, Ph.D., A.M.ASCE
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2008	LAURIE G. BAISE, Ph.D., M.ASCE and JASON T. DeJONG, Ph.D., M.ASCE	2010	SCOTT J. BRANDENBERG, Ph.D., A.M.ASCE and AMY B. CERATO, Ph.D., P.E., M.ASCE
2009	DOMINIC ASSIMAKI, Sc.D., A.M.ASCE	2011	JOSÉ E. ANDRADE, Ph.D., A.M.ASCE

### Jack E. Cermak Medal

This medal was established by the Engineering Mechanics Division and the Structural Engineering Institute to recognize Dr. Jack E. Cermak's lifetime achievements in the field of wind engineering and industrial aerodynamics. The award will consist of a gold-plated medal and a certificate. This award is funded by friends and colleagues of Professor Jack Cermak.

It was instituted by the Board of Direction in 2000.

- I. The Medal will be awarded for outstanding contributions to research and/or practice in wind engineering.
- II. The Medal will ordinarily be granted for cumulative distinguished contributions in wind engineering. In exceptional cases, it may be awarded for a single contribution of outstanding merit.
- III. The Medal will be awarded every year at the discretion of the selection committee and will be limited to one individual, unless a nomination is based on work which was a joint effort of a substantial duration. In such cases, duplicate or multiple medals will be tendered only if the balance then available in the award fund is adequate for that purpose.
- IV. The award recipients will be nominated by the members of the Engineering Mechanics Institute and the Structural Engineering Institute for final action by the ASCE Executive Committee. The awards committee will consist of the Engineering Mechanics Institute Advisory Board and three members appointed by the Board of Governors of the Structural Engineering Institute. It will be chaired by the chair of the Engineering Mechanics Institute Advisory Board.
- V. During the year following receipt of the Medal, the recipient(s) will be invited to deliver the Jack E. Cermak Lecture on a topic within the designated subject area of the award, to be presented at one of the ASCE national meetings, conferences, congresses, or conventions.
- VI. The medal will be given without regard for Society membership or nationality.
- VII. No individual shall receive the Medal more than once.
- VIII. The award consists of a gold-plated medal. If the award is presented for a joint effort, the lead recipient shall receive the award. All other recipients shall receive only a certificate.
- IX. Ten years after the establishment of the award, the Executive Committee of the Engineering Mechanics Institute and the Board of Governors of the Structural Engineering Institute may review and propose modifications to the above criteria and rules.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2005	GIOVANNI SOLARI, Ph.D., P.E., M.ASCE	2009	THEODORE STATHOPOULOS, Ph.D., P.E., F.ASCE
2007	PETER A. IRWIN, Ph.D., P.Eng., F.ASCE	2010	JON A. PETERKA, Ph.D., P.E., M.ASCE

### Ven Te Chow Award

The Ven Te Chow Award was established to recognize lifetime achievement in the field of hydrologic engineering. Sinotech Engineering Consultants, Inc. donated funds to support this award. It was officially instituted by action of the Board of Direction in 1995. It is administered by the Environmental and Water Resources Institute through the Honors and Awards Program.

- I. The award may be presented annually to individuals whose careers in the field of hydrologic engineering have been distinguished by exceptional achievement and significant contribution in research, education, or practice.
- II. The award will be given without regard for Society membership, and will be limited to one individual each year, unless a nomination is based on work which was a joint effort of substantial duration.

- III. The award consists of crystal trophy and cash prize determined annually by and subject to the approval of the Executive Committee of the Board of Direction, with the advice of the Governing Board of the Environmental and Water Resources Institute, based on the income from the award fund. In the case of a joint effort, the lead recipient shall receive the trophy and cash prize. All other recipients shall receive only a certificate
- IV. The Ven Te Chow Award Committee, whose members are the voting members of the Surface Water Hydrology Technical Committee of the Watershed Council and one member of the Ground Water Council, who shall be appointed annually by the Ground Water Council, shall recommend a nominee to the EWRI Awards Committee. The EWRI Awards Committee shall seek approval from the Governing Board of the Environmental and Water Resources Institute. If approved by the EWRI Governing Board, the recommendation shall be presented for final action to the Executive Committee of the ASCE Board of Direction.
- V. The Award will be presented at the Environmental and Water Resources Institute Annual Specialty Conference, and the recipient will be invited to present a lecture on that occasion. The lecture will be published in the Division's Hydrologic Engineering Journal.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by October 1.

Awards have been as follows:

2007	LEO R. BEARD, P.E., D.WRE, Hon.M.ASCE	2009	M. LEVENT KAVVAS, Ph.D., F.ASCE
2008	STEPHEN J. BURGESS, Ph.D., P.E., D.WRE, F.ASCE	2010	JOSÉ D. SALAS, Ph.D., M.ASCE
		2011	DAVID MAIDMENT, Ph.D., P.E., M.ASCE

### Civil Government Award

To recognize those members of the engineering profession who have rendered meritorious service in elective or appointive positions in government, William D. Shannon, Past Vice President, ASCE, contributed funds, the annual income of which is to be used for a Civil Government Award. The award was officially instituted by action of the Board of Direction in October 1963.

- I. The name of the award is the Civil Government Award.
- II. The award shall be made to those members of ASCE, wherever resident, who have contributed substantially to the status of the engineering profession by meritorious public service in elective or appointive positions in civil government.
- III. In the selection of the recipients, primary consideration shall be given to public service which does not require the qualifications of an engineer. The award is intended to recognize service by engineers in such capacities as: mayor, city manager, city councilman, municipal department head, county or special authority official, state governor, member of legislature, state department head, member of congress, cabinet member, federal department administrator, or National President.
- IV. The award will not be made to persons holding positions that require the services of a professional engineer or positions that traditionally have been held by engineers, nor will the award be made to persons holding positions filled by competitive civil service examinations.
- V. The nominees for this award must be registered professional engineers.
- VI. The award committee shall be the Committee on Leadership and Management. Its recommendation, accompanied by an appropriate citation, shall be reported to the Committee on Professional Practice (CPP) annually and shall be forwarded to the Executive Committee of the ASCE Board of Direction for final action.
- VII. Any ASCE member, including the award committee, may submit nominations in writing, for this award.
- VIII. Meritorious nominees not selected in a given year may be held over for consideration by the Committee on Leadership and Management for the next year. The names of these nominees will be conveyed to the Honors and Awards Program office.
- IX. Only one person shall receive the award in any year and a recipient may receive the honor only once.
- X. The recipient shall be presented with an appropriate wall plaque.

- XI. Members of CPP and the Committee on Leadership and Management and Society members who have been awarded the grade Distinguished Member prior to the review of nominations shall not be eligible for this award.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by March 1.

Awards have been made as follows:

2007	JIMMIE R. YEE, P.E., F.ASCE	2010	BRENNON T. MORIOKA, Ph.D., P.E., M.ASCE
2008	VIRGINIA E. VALENTINE, P.E., F.ASCE	2011	ROBERT C. KREBS, P.E., L.S., F.ASCE
2009	JOHN M. SULLIVAN, P.E., L.S., M.ASCE		

### Collingwood Prize

The Collingwood Prize was instituted and endowed in 1894 by Francis Collingwood, Past Secretary of ASCE. It is administered by the Committee on Younger Members through the Honors and Awards Program.

- I. Nomination for the prize is restricted to Affiliate Members, Associate Members, and Members of the Society who were 35 years of age or less at the time the paper was submitted in essentially its final form. Co-authors over 35 years of age are allowed provided they can attest by a signed letter that they had no part in the paper other than reviewing it. Co-authors over 35 years of age are not eligible for the prize. Papers with co-authors over 35 years of age, but submitted without the required letter, will be disqualified.
- II. The prize consists of a wall plaque.
- III. The prize may be awarded annually to the author or authors of a paper (1) describing an engineering work with which the author(s) have been directly connected, or (2) recording investigations contributing to engineering knowledge to which the author(s) have contributed some essential part, and (3) containing a rational digest of results. Any mathematical treatment must show immediate adaptability to professional practice. Accuracy of language and excellence of style are factors in the award. The Committee on Younger Members shall recommend a winner to the Executive Committee for final action.
- IV. Papers published in a print issue of an ASCE journal during the twelve-month period ending with June 30 of the year preceding the year of award are eligible. Individual technical papers produced as an appendix to a report of an ASCE committee and published during the twelve-month period ending with June 30 of the year preceding the year of the award are also eligible.
- V. Active members of the CYM or its active Corresponding Members shall not be eligible for the award.

To nominate for this award, submit the following on CD:

- A cover letter, signed by the nominator
- An application checklist
- An Official Award Nomination form
- A Collingwood application form, endorsed by the Section or Branch President
- Co-author letter(s), if necessary
- One copy of the paper

Nomination packages must be postmarked by February 1 and submitted to the Honors and Awards Program at the ASCE Headquarters, 1801 Alexander Bell Drive, Reston, VA 20191-4382.

Awards have been made as follows:

2007	M. LUIS PIE, P.E., M. ASCE	2010	PAUL W. RICHARDS, Ph.D., P.E., M.ASCE
2008	M. Emin Kutay, Ph.D., A.M.ASCE	2011	JUAN FELIPE PULIDO, P.E., M.ASCE
2009	SUREN CHEN, Ph.D., P.E., M.ASCE		

### Columbia Medal

The establishment of the Columbia Medal was initiated in 1982 by the Aerospace Division (ASD) of the American Society of Civil Engineers (ASCE) to commemorate the first earth orbital flight of the United States Space-Shuttle Orbiter, Columbia, which opened a new technological era for mankind through the peaceful utilization of space. The medal also honors the astronauts who perished in the tragic demise of the Columbia on February 1, 2003. The Columbia Medal is an endowed award and is presented in accordance with the following criteria and rules:

- I. Members of the Society, except Student Members, are eligible for nomination.
- II. The Award is granted for sustained outstanding contribution to the advancement of aerospace engineering, sciences and technology in at least one of the following areas: teaching, research, design, development, planning, construction, management, or direct participation in space-borne missions and/or ground-support activities.
- III. Any of these contributions may be in the form of: notable performance relating to the conception, planning, and/or execution of an important project related to the mission of the Division; long years of distinguished service in private academic, industrial and/or Government sectors; or other specific actions which have served to advance the practice of civil engineering through the application of aerospace engineering, sciences and technology. A nominee's history of publications may be considered in evaluating whether or not a candidate fulfills the criteria.
- IV. One award will be granted in even-numbered years unless the achievement upon which the award is based is considered to be the joint contribution by more than one individual who meets the eligibility criteria for the award. In the latter case, duplicate or multiple awards will be tendered, if permitted by the current award fund balance. The award will not be presented when, in the opinion of the selection committee, a suitable candidate cannot be found.
- V. The qualifications of eligible nominees will be reviewed by the Aerospace Division Awards Committee, which shall submit recommendations to the Aerospace Division Executive Committee for approval, which shall present its recommendation to the ASCE Executive Committee for final action.
- VI. The Award items are a certificate, medal and a cash prize determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment and medal.
- VII. The Columbia Medal will be presented at the Annual Conference of the Society or at the Aerospace Division's Conference.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2010 HARRISON H. SCHMITT, Ph.D.,  
A.M.ASCE

### Computing in Civil Engineering Award

The Computing in Civil Engineering Award was established by the Technical Council on Computer Practices (now the Technical Council on Computing and Information Technology). It was officially instituted by action of the Board of Direction in January 1995, and was funded by computer-oriented industries within the field of civil engineering.

- I. The award is made annually to a member of the American Society of Civil Engineers who has made an outstanding contribution to the application of computers to the practice of civil engineering. Computer-related contributions in any technical discipline or professional context are eligible for this award without restriction.
- II. Not more than one presentation of the award will be made each year unless the achievement upon which the award is based is the joint work of more than one individual. No individual may receive the Award, or a portion thereof, more than once.
- III. The nomination of the recipient of the award is the responsibility of the Executive Committee of the Technical Council on Computing and Information Technology. The nomination is subject to the approval of the Executive Committee of the ASCE Board of Direction. The Executive Com-

mittee of the Technical Council on Computing and Information Technology may, at its discretion, choose to forego nominating anyone for the Award in any given year.

- IV. The Award consists of a plaque and a cash prize determined annually by and subject to the approval of the Executive Committee of the Board of Direction based on the income from the award endowment. If the award is presented for a group effort, the lead recipient shall receive the plaque and cash prize. All other recipients shall receive only a certificate.
- V. The award will normally be presented at a specialty conference sponsored by the Technical Council on Computing and Information Technology.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2006	JAMES H. GARRETT, JR., Ph.D., M.ASCE	2009	TERESA M. ADAMS, Ph.D., F.ASCE
2008	FENIOSKY A. PENA-MORA, Sc.D., P.E., M.ASCE	2010	LUCIO SOIBELMAN, Ph.D., M.ASCE
		2011	KINCHO H. LAW, Ph.D., M.ASCE

### Construction Management Award

This award was endowed by Marvin Gates and Amerigo Scarpa, Fellows, ASCE and officially instituted by action of the Board of Direction in October, 1973. It is administered by the Construction Institute through the Honors and Awards Program.

- I. The award is known as the Construction Management Award.
- II. The award may be given annually to someone who has been a member of the Construction Institute or the American Society of Civil Engineers for at least five years and who has made outstanding contributions to the field of construction management as a practitioner, educator, or researcher either in the form of written presentations, scholarly work, or notable performance.
- III. Self-nominations will not be accepted.
- IV. Not more than one award is made each year unless the achievement upon which the award is based is considered to be the contribution of more than one person. No one shall receive the Construction Management Award or a portion thereof more than once.
- V. The Construction Management Award Subcommittee of the Management Practices in Construction Committee (MPIC) reviews the nominations during September and October each year and presents its recommendation to the full committee at its November meeting. The recommendation as to the recipient of the Award shall be submitted to the Executive Committee of the ASCE Board of Direction by the Construction Institute Board of Directors with the advice of previous recipients of the Award.
- VI. Nominees not selected in a given year will be held over for consideration through the next selection cycle. At the end of the second cycle, nominees not chosen will no longer be eligible for consideration, except that nominators who wish for their candidate to be considered for another two-cycle period must produce a new nomination package.
- VII. The award consists of a plaque and cash prize determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment. If the award is presented for a joint accomplishment, the lead recipient shall receive the plaque. All other recipients shall receive only a certificate.
- VIII. The award is typically presented at the Annual Meeting of the American Society of Civil Engineers. Nominations should contain a detailed description of why the candidate deserves the award and a current resume of the individual being nominated. Self-nominations will not be accepted. To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by August 15.

Awards have been made as follows:

2007	JAMES T. RUDDLELL, P.E., M.ASCE	2010	AWAD S. HANNA, Ph.D., P.E., F.ASCE
2008	RANDY L. LARSON, P.E., M.ASCE	2011	WILFRED L. PAINTER, JR., P.E., F.ASCE
2009	LARRY J. SMITH, P.E., F.ASCE		

### J. James R. Croes Medal

This prize was established by the Society on October 1, 1912, and is named in honor of the first recipient of the Norman Medal, John James Robertson Croes, Past President, ASCE.

- I. The Croes Medal may be awarded annually, under the rules governing the award of the Norman Medal.
- II. There is no direct nomination of papers for this award. The pool of nominations for this award is those papers submitted and not selected for the Norman Medal. The medal is awarded to the author, or authors, of such paper as may be judged worthy of the award and be next in order of merit to the paper to which the Norman Medal is awarded. If the Norman Medal is not awarded, the Croes Medal may be awarded to the paper judged worthy for its merit as a contribution to engineering science.
- III. The nominated papers are reviewed by the Paper Review Committee which shall recommend the recipient(s) to the Society Awards Committee which shall request approval from the Executive Committee of the Board of Direction. The Paper Review Committee shall be composed of two representatives of TAC and one representative of G-I, SEI, AEI, EWRI, COPRI, EMI, CI and T&DI. Its chair shall be the senior TAC member. Committee members shall serve three-year staggered terms.
- IV. Papers not selected for either the Croes or Norman medals shall be ineligible for re-nomination.
- V. The award consists of a medal. In the case of a paper written by more than one author, the lead author shall receive the medal. All other authors shall receive only a certificate.

Awards have been made as follows:

2007	ROBERT G. DRIVER, Ph.D., P.Eng., M.ASCE; HASSAN H. ABBAS, Ph.D., M.ASCE; and RICHARD SAUSE, Ph.D., P.E., M.ASCE	Ph.D., M.ASCE; FRANK McKENNA; Ph.D.; and FILIP FILIPPOU, Ph.D., M.ASCE
2008	STEVEN R. MEER, P.E., A.M.ASCE and CRAIG H. BENSON, Ph.D., P.E., M.ASCE	2010 NING LU, Ph.D., F.ASCE 2011 MUSTAFA M. ARAL, Ph.D., P.E., F.ASCE; JIABAO GUAN, Ph.D., P.E., M.ASCE; and MORRIS L. MASLIA, P.E., D.WRE, M.ASCE
2009	MICHAEL H. SCOTT, Ph.D., M.ASCE; GREGORY L. FENVES,	

### Charles Martin Duke Lifeline Earthquake Engineering Award

This award was established by the Technical Council on Lifeline Earthquake Engineering to honor Charles Martin Duke for his pioneering contributions in lifeline earthquake engineering. The funds for the award were obtained through the solicitation of gifts from the many students, colleagues, admirers and friends of Martin Duke. Major contributors were: R. C. Thacker; EQE Engineering; John Blume; Dames and Moore; EERI; Kinnometrics Systems; LeRoy Crandal Assoc.; Fluor Daniel, Inc.; Robert Duke; and ARCO Pipeline Co. It was instituted by the Board of Direction in April 1990.

- I. The award will be made annually to an individual who has made a definite contribution to the advancement of lifeline earthquake engineering. Contributions may be made either in the form of papers or other written presentations, or through outstanding performances or specific and noteworthy actions which have served to advance the art, science and technology of lifeline earthquake engineering.
- II. Membership in the Society is not a requirement for consideration.
- III. Not more than two independent awards of the prize will be made each year, unless the achievement upon which the award is based is considered to be the joint contribution by more than one person, such as the joint authorship of a paper. No one shall receive the honor more than once.
- IV. The nomination of the potential recipient shall be made prior to or on November 1 of the year the prize is to be awarded.
- V. Nomination for the Charles Martin Duke Award should be submitted by a written letter accompanied by at least one page vita of the nominee outlining his/her accomplishments in reference to the Award.
- VI. The Charles Martin Duke Award Committee shall consist of the three immediate past chairs of the Executive Committee of the Technical Council on Lifeline Earthquake Engineering, whose duty shall be to recommend nominees for formal action by the Executive Committee of the ASCE Board of Direction.

VII. The award will consist of a plaque, suitably inscribed with the name of the recipient and the circumstances of the award and a specially engraved lapel pin.

When two individual awards are made, each winner shall receive a plaque and share in the cash prize, if the award fund is sufficient to cover the costs. If the award is for a joint effort, the lead winner shall receive the plaque and lapel pin. All other winners shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2007	JAMES E. BEAVERS, Ph.D., P.E., F.ASCE	2009	LEON KEMPNER, JR., Ph.D., P.E., M.ASCE
2008	JOHN M. EIDINGER, P.E., M.ASCE	2010	ALEX K.K. TANG, P.E., F.ASCE
		2011	MARTIN L. ESKIJIAN, P.E., M.ASCE

### Hans Albert Einstein Award

This award was established by the Waterway, Port, Coastal and Ocean Division (now the Coasts, Oceans, Ports, and Rivers Institute) and the Hydraulics Division (now the Environmental and Water Resources Institute) to honor Hans Albert Einstein for his outstanding contributions to the engineering profession and his advancements in the areas of erosion control, sedimentation and alluvial waterways. The funds were contributed by the honoree's friends and former students in appreciation of his positive influence on their professional development. The Award was officially instituted by action of the Executive Committee of the ASCE Board of Direction in October 1988.

- I. The award is made annually to a member of the Society who has made a significant contribution to the engineering profession in the areas of erosion control, sedimentation and/or waterway development either in teaching, research, planning, design, or management. Contributions can be made either in the form of papers or through notable performances which have served to advance engineering in these areas.
- II. Award recipients are selected by an award committee composed of three members from the Coasts, Oceans, Ports, and Rivers Institute and three members from the Environmental and Water Resources Institute. The Waterways Committee of the Coasts, Oceans, Ports, and Rivers Institute and the Sedimentation Committee of Environmental and Water Resources Institute provide at least one member each to the award committee. The chair of the award committee alternates annually between the representatives of the two divisions having the longest tenure on the committee. Nominations are submitted for approval by the ASCE Executive Committee through the Executive Committees of both institutes.
- III. The Waterways Committee of the Coasts, Oceans, Ports, and Rivers Institute and the Sedimentation Committee of Environmental and Water Resources Institute decide on alternate years the location that the award will be given.
- IV. Not more than one presentation of the award is made each year unless the achievement upon which the award is based is considered to be the joint contribution of more than one person, such as the joint authorship of a paper. No one may receive the award or a portion thereof more than once.
- V. The award consists of a specially designed plaque and a cash prize determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment. If the award is presented for a group accomplishment, the lead recipient shall receive the plaque and cash prize. All other recipients shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by October 1.

Awards have been made as follows:

2006	MARCELO H. GARCIA, Ph.D., M.ASCE	2009	WILLIAM H. McANALLY, Ph.D., P.E., F.ASCE
2007	J. DUNGAN SMITH, Ph.D., M.ASCE	2011	ZHAO-YIN WANG, Ph.D., M.ASCE
2008	PETER R. WILCOCK, Ph.D., M.ASCE		



### **Simon W. Freese Environmental Engineering Award and Lecture**

This award and lectureship was established by the Environmental Engineering Division (now the Environmental and Water Resources Institute), the Executive Director will invite a distinguished person to prepare for publication and deliver the Simon W. Freese Environmental Engineering Lecture at an appropriate meeting of the Society.

- I. At about yearly intervals and upon recommendation of the Governing Board of the Environmental and Water Resources Institute, the Executive Director will invite a distinguished person to prepare for publication and deliver the Simon W. Freese Environmental Engineering Lecture at an appropriate meeting of the Society.
- II. The lecturer shall be tendered a certificate and a cash prize determined annually by and subject to the approval of the Society Awards Committee.
- III. The lecturer will be selected without restrictions as to Society membership.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by October 1.

Awards and lectures have been presented as follows:

2007 JOHN T. NOVAK, Ph.D., P.E., M.ASCE	2010 JERALD SCHNOOR, Ph.D., P.E., M.ASCE, NAE
2008 RAFAEL L. BRAS, Ph.D., P.E., F.ASCE	2011 MENACHEM ELIMELECH, Ph.D., M.ASCE, NAE
2009 BRUCE E. RITTMANN, Ph.D., M.ASCE, NAE	

### **Alfred M. Freudenthal Medal**

This medal was established and endowed by the Engineering Mechanics Division of ASCE, with gifts presented by the many friends and admirers of Alfred M. Freudenthal, F.ASCE. The Medal was officially instituted by action of the Board of Direction on November 1–2, 1975.

- I. The award is known as the Alfred M. Freudenthal Medal.
- II. The award consists of a bronze medal presented to an individual in recognition of distinguished achievement in safety and reliability studies applicable to any branch of civil engineering.
- III. Age, nationality, and Society membership shall not be considerations in making the award.
- IV. The award is normally made every two years on the basis of nominations submitted by November 1. It may be omitted at the discretion of the Award Committee.
- V. Nominees not selected in a given year will be held over for consideration through the next selection cycle. At the end of the second cycle, nominees not chosen will no longer be eligible for consideration. Nominators who wish for their candidate to be considered for another two-cycle period must produce a new nomination package.
- VI. The award committee shall consist of the members of the Advisory Board of the Engineering Mechanics Institute, whose duty shall be to recommend nominees for formal action by the Executive Committee of the ASCE Board of Direction.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2006 ARMEN DER KIUREGHIAN, Ph.D., P.E., M.ASCE	2008 RUDIGER RACKWITZ, Dr. Ing 2010 ARVID NAESS, Ph.D., M.ASCE
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### **Edmund Friedman Professional Recognition Award**

To recognize the importance of professional attainment in the advancement of "the science and profession of engineering," as defined by the Constitution of the Society, Edmund Friedman, Past President, ASCE, contributed funds to establish the Professional Recognition Award, in 1959, and it was officially instituted by action of the Board of Direction in March 1960. In February 1964, the Board of Direction voted to include the name of the donor in the name of the award.

- I. The name of the award is the Edmund Friedman Professional Recognition Award.
- II. This recognition is awarded annually to a member of the American Society of Civil Engineers who is judged to have contributed substantially to the status of the engineering profession by:
  - a. Exemplary professional conduct in a specific outstanding instance;
  - b. An established reputation for professional service;
  - c. Objective and lasting achievement in improving the conditions under which professional engineers serve in public and private practice;
  - d. Significant contribution toward improvement of employment conditions among civil engineers;
  - e. Significant contribution toward improving the professional aspects of civil engineering education;
  - f. Professional guidance of qualified young persons who would seek civil engineering as a career; and professional development of young civil engineers in the formative stages of their careers; or,
  - g. Other evidence of merit which, in the judgment of the award committee, shall have advanced the Society's professional objectives.
- III. The award shall be made once each year when, in the judgment of the award committee, a suitable candidate is available. Only one recipient will be named in any year, and no recipient may receive the award more than once.
- IV. The award committee shall be the Committee on Leadership and Management. Its recommendation, accompanied by an appropriate citation, shall be reported to the Committee on Professional Practice (CPP) annually and shall be forwarded to the Executive Committee of the Board of Direction for final action.
- V. Any ASCE member, including the award committee, may submit nominations, in writing, for this award.
- VI. Meritorious nominees, not selected in a given year, may be held over for consideration by the Committee on Leadership and Management for the next year. The names of these nominees will be conveyed to the Honors and Awards Program office.
- VII. The award consists of a wall plaque.
- VIII. Members of CPP and the Committee on Leadership and Management and Society members who have been awarded the grade Distinguished Member prior to the review of nominations shall not be eligible for this award.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by March 1.

Awards have been made as follows:

2007	REED M. BROCKMAN, P.E., M.ASCE	2010	CHRISTOPHER B. BURKE, Ph.D., P.E., D.WRE, F.ASCE
2008	RAJAN I. SHETH, P.E., S.E., F.ASCE	2011	PAUL R. MUNGER, Ph.D., P.E., F.ASCE
2009	BERRIN TANSEL, Ph.D., P.E., BCEE, D.WRE, F.ASCE		

### **Edmund Friedman Young Engineer Award for Professional Achievement**

To recognize the professional contributions of younger members of the Society, Edmund Friedman, Past President of ASCE, contributed funds to establish the Edmund Friedman Young Engineer Award for Professional Achievement. The Award was officially instituted by action of the Executive Committee of the ASCE Board of Direction in October 1972.

- I. The name of the award is the Edmund Friedman Young Engineer Award for Professional Achievement.
- II. This recognition may be awarded annually to Affiliate Members, Associate Members, or Members of the American Society of Civil Engineers who are 35 years of age or less on February 1 in the year of the award and who are judged to have attained significant professional achievement, by the degree to which the candidates have shown:
  - a. Service to the advancement of the profession;
  - b. Evidence of technical competence, high character and integrity;
  - c. Leadership in the development of younger member attitudes toward the profession;

- d. Contributions to public service outside of their professional career;
  - e. Other evidence of merit, which in the judgment of the award committee shall have advanced the Society's objectives.
  - f. Engineering Intern (E.I.), Engineer-In-Training (E.I.T.), or Professional Engineer (P.E.) is required of all candidates.
- III. The award shall be made each year when, in the judgment of the award committee, a sufficient number of suitable candidates are available. No more than five recipients will be named in any year, and no recipient may receive the award more than once.
- IV. An individual, or group of individuals, may submit nominations, in writing, for these awards. They are encouraged to submit the nominations with the endorsement of the Section or Branch President. Nominations may also originate in the award committee. These nominations shall be submitted to the Honors and Awards program office by February 1 of each year for referral to the Committee on Younger Members. The Committee will then submit its recommendations, if any, to the ASCE Executive Committee for final action.
- V. Meritorious nominees not selected in a given year, may be held over at the discretion of the award committee for consideration the following year, provided the nominee is still eligible under Rules II and III.
- VI. Deceased persons are not eligible for nomination for the award, although an award can be made posthumously to a nominee whose petition had reached the award committee during their lifetime.
- VII. The award, to be presented at an appropriate meeting of the Society, shall consist of a certificate inscribed with the name of the recipient and the circumstances of the award and a cash prize determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment.
- VIII. Active voting members of CYM shall not be eligible for the award. Corresponding Members of CYM are eligible.

To nominate for this award, submit the following as a single pdf on CD (one CD per nomination):

- A cover letter, signed by the nominator
- An application checklist
- An Official Award Nomination form
- An Edmund Friedman Young Engineer Award for Professional Achievement Nomination form, endorsed by the Section or Branch President
- The nominee's CV or biographical information
- Two or three letters of recommendation

Nomination packages must be submitted postmarked by February 1 and submitted to the Honors and Awards Program at the ASCE Headquarters, 1801 Alexander Bell Drive, Reston, VA 20191-4382.

Awards have been made as follows:

- 2007 CHRISTOPH M. GOSS, Ph.D., P.E., M.ASCE; JONATHAN D. McHUGH, P.E., M.ASCE; CHRISTOPHER J. MENNA, P.E., M.ASCE; and KATHEREEN M. SHINKAI, P.E., M.ASCE
- 2008 ANN L. BRYANT, P.E., M.ASCE; ERIC FISHER, P.E., M.ASCE; SEAN P. MERRELL, P.E., M.ASCE; RENEE SCHWECKE, P.E., M.ASCE; and KRISTINA L. SWALLOW, P.E., M.ASCE
- 2009 ALYSEN M. ABEL, P.E., M.ASCE; STEFANIE R. FISHMAN, P.E., PTOE, M.ASCE; CLAY A. FORISTER, P.E., M.ASCE; PETER M. MOORE, P.E., M.ASCE; and BRIAN M. UDOVICH, P.E., M.ASCE
- 2010 LOREEN C. BOBO, P.E., M.ASCE; FLORENCE M. CHING, P.E., M.ASCE; CHENG LOK CALEB HING, Ph.D., P.E., M.ASCE; LUCY P. PRIDDY, P.E., M.ASCE and DEBORAH A. SNYDER, P.E., M.ASCE, LEED AP
- 2011 RUSSELL "JOEY" J. COCO, JR., P.E., M.ASCE; GREGORY J. KUKLINSKI, P.E., M.ASCE; ROBERT PEKELNICKY, P.E., S.E., LEED AP, M.ASCE; MARIE A. STAMM, P.E., M.ASCE; and PAUL A. VOILES, P.E., M.ASCE

### Samuel Arnold Greeley Award

The Samuel Arnold Greeley Award was instituted in 1968 by the Sanitary Engineering Division (now the Environmental and Water Resources Institute) of the American Society of Civil Engineers, and is endowed by professional associates of Samuel A. Greeley, Past Director and Hon.M.ASCE. The award is made in accordance with the rules of the Society and the following rules:

- I. All original papers dealing with the design, construction, operation or financing of water supply, pollution control, storm drainage or solid waste collection and disposal facilities published in a print issue of an ASCE journal in the twelve-month period ending with June of the year preceding the year of award are eligible.
- II. The award may be made annually to the author(s) of the paper that makes the most valuable contribution to the environmental engineering profession. An individual author must be an ASCE member engaged as a principal or employee in the private practice of environmental engineering. In the case of two authors, one must be an ASCE member engaged as principal or employee in the private practice of environmental engineering. If there are more than two authors, a majority of the authors must be ASCE members engaged as principals or employees in the private practice of environmental engineering.
- III. The eligible papers will be reviewed by a committee of the Environmental and Water Resources Institute, which selects a nominee for final action by the Executive Committee of the ASCE Board of Direction.
- IV. The lead author shall receive an appropriate plaque and a cash prize determined annually by and subject to the approval of the Executive Committee of the Board of Direction, with the advice of the Governing Board of the Environmental and Water Resources Institute, based on the income from the award fund.

All other recipients shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by October 1.

Awards have been made as follows:

- 2005 S. DAVID GRABER  
 2007 KEITH C. K. LAI, M.ASCE; IRENE M.C. LO, Ph.D., M.ASCE; VIBEKE L. BIRKELUND, Aff.M.ASCE; and PETER KJELDSEN, Aff.M.ASCE  
 2008 JEFFREY D. WEISS A.M.ASCE; MIKI HONDZO, Ph.D., A.M.ASCE; and MICHAEL SEMMENS, Ph.D., P.E., M.ASCE  
 2009 BRUCE J. DVORAK, Ph.D., P.E., M.ASCE; MATTHEW MORLEY, Ph.D., P.E., M.ASCE; and PATRICK DENNING, P.E.  
 2011 BRIAN P. CHAPLIN, Ph.D.; MATTHEW R. SCHNOBRICH; MARK A. WIDDOWSON, Ph.D., P.E., M.ASCE; MICHAEL J. SEMMENS, Ph.D., P.E.; and PAIGE J. NOVAK, Ph.D., P.E., M.ASCE

### Daniel W. Halpin Award for Scholarship in Construction

The Daniel W. Halpin Award for Scholarship in Construction was established by the Board of Direction on January 18, 2011 to recognize individuals who have demonstrated outstanding scholarship that advances construction engineering as a science. It was named in honor of Daniel W. Halpin, Ph.D., Dist.M.ASCE recognized as one of the leading authorities in the world on the use of simulation in studying construction processes. The award is administered by the Construction Institute through the Honors and Awards Program.

- I. The name of the award is the Daniel W. Halpin Award for Scholarship in Construction.
- II. The award may be made annually to a member of ASCE or the Construction Institute who has demonstrated outstanding scholarship that advances construction engineering as a science.
- III. The member must have attained a doctoral degree within the ten-year period ending on the submission deadline for the award.
- IV. If the nominee is a faculty member, the award must be based on the nominee's independent contributions—i.e., the nominee must have been primarily responsible for the scholarly activity.
- V. Scholarship is defined as scholarly activity that advances the state of the art, and includes (but is not limited to):

- a. The creation and dissimulation of original knowledge
  - b. Development of teaching materials such as books, etc.
  - c. Mentoring and pedagogical activities
- VI. Nominations will be considered by the Construction Institute's Awards Committee. Its recommendation will be made to the Construction Institute's Board of Directors and subsequently ratified by the Executive Committee of the ASCE Board of Direction.
- VII. Self-nominations will not be accepted.
- VIII. Nominees not selected in a given year will be held over for consideration through the next selection cycle, provided the candidate is eligible under Rule III. At the end of the second cycle, nominees not chosen will no longer be eligible for consideration, except that nominators who wish for their candidate to be considered for another two-cycle period must produce a new nomination package.
- IX. The award consists of a certificate and cash prize determined annually by and subject to the approval of the Executive Committee of the Board of Direction based on the income from the award endowment.
- X. The award recipient may be invited to present a Daniel W. Halpin Scholarship in Construction Address at an appropriate meeting of the Society.
- XI. Only one person shall receive the award in any year, and an awardee may receive the honor only once.
- To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

### Shortridge Hardesty Award

This award was instituted in 1987 by the firm of Hardesty & Hanover to honor the contributions of Shortridge Hardesty as first chair of the Column Research Council (Structural Stability Research Council since 1976). The CRC was organized under the Engineering Foundation in 1944 at the recommendation of the ASCE Committee on Design of Structural Members and with the approval of the Structural Engineering Institute Executive Committee. The award is made in accordance with the policies of the Society and the following specific rules:

- I. The Shortridge Hardesty Award is to be awarded annually to an individual (or individuals if recommended) who has contributed substantially in applying fundamental results of research to solution of practical engineering problems in the field of structural stability.
- II. The award shall be based on a paper published in either the ASCE Structural Engineering Journal (July-June), or the Proceedings of the Structural Stability Research Council (latest available), or upon any other effective contribution in the form of personal efforts and achievements.
- III. No one shall be eligible to receive the Award, or a portion of the award, more than once.
- IV. From 1 to 3 recommendations for the Award shall be made by the SEI Committee on Structural Members to the SEI Awards Committee, and the SEI Technical Activities Division Executive Committee will recommend action by the ASCE Executive Committee.
- V. The awardee or awardees must be an individual or individuals holding any grade of membership in ASCE.
- VI. The award shall consist of a suitably inscribed certificate and a cash prize determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment.

Recipients who are not the lead author shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2007	RUSSELL Q. BRIDGE, Ph.D., P.E., F.ASCE	2010	DINAR R. Z. CAMOTIM, Ph.D., M.ASCE
2008	CHAI HONG YOO Ph.D., P.E., F.ASCE	2011	MARK A. BRADFORD, Ph.D., P.E., M.ASCE
2009	JEROME F. HAJJAR, Ph.D., P.E., F.ASCE		

### Rudolph Hering Medal

The Rudolph Hering Medal was instituted and endowed in 1924 by the Sanitary Engineering Division (now the Environmental and Water Resources Institute) of the American Society of Civil Engineers, in honor of Rudolph Hering, past Vice President of the Society.

- I. The prize may be awarded annually and shall consist of a bronze medal and cash prize determined annually by and subject to the approval of the Executive Committee of the Board of Direction, with the advice of the Governing Board of the Environmental and Water Resources Institute, based on the income from the award fund.

The lead author shall receive the medal and cash prize. All other recipients shall receive only a certificate.

- II. All original papers authored or co-authored by ASCE members dealing with water works, sewerage works, drainage, refuse collection and disposal, or any branch of environmental engineering which are presented to the Society, in finished form, whether presented to the Environmental and Water Resources Institute or otherwise, are open to the award, provided that such papers have not been previously contributed or published elsewhere. Papers published in a print issue of an ASCE journal in the twelve-month period ending with June of the year preceding the year of award are eligible.
- III. The Medal is awarded to the author, or authors, of the paper which contains the most valuable contribution to the increase of knowledge in, and to the advancement of, the environmental branch of the engineering profession.
- IV. In any year when the excellence of more than one paper justifies it, the prize committee may designate a "second order of merit." A paper so recognized is considered eligible to compete in the award for the next year. When a recipient is selected, the selection committee shall also notify the Honors and Awards Program office, in writing, the nominees designated to be reconsidered in the next award cycle.
- V. The Award Committee shall consist of three members of the Environmental and Water Resources Institute appointed by the Governing Board, whose duty shall be to recommend nominations for action by the Executive Committee of the ASCE Board of Direction.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by October 1.

Awards have been made as follows:

- 2005 ERIC A. SEAGREN, Ph.D., A.M.ASCE and TIM O. MOORE, II  
 2007 JUN WANG, P.E., M.ASCE; JOEL G. BURKEN, Ph.D., M.ASCE; XIAOQI ZHANG, A.M.ASCE; and RAO Y. SURAMPALLI, Ph.D., P.E., BCEE, F.ASCE  
 2008 MAUSAM VERMA, Ph.D., S.M.ASCE; SATINDER BRAR, Ph.D., S.M.ASCE; JEAN-FRANCOIS BLAIS, Ph.D., M.ASCE; RAJESHWAR D. TYAGI, Ph.D., M.ASCE; and RAO Y. SURAMPALLI, Ph.D., P.E., F.ASCE  
 2009 KAREN L. ENDRES; ALEX MAYER, Ph.D., P.E., M.ASCE; and DAVID W. HAND, Ph.D.  
 2010 SYBIL E. SHARVELLE, Ph.D., A.M.ASCE; MAZDAK ARABI, Ph.D., A.M.ASCE; ERIC S. McLAMORE, Ph.D., S.M.ASCE; and M. KATHERINE BANKS, Ph.D., P.E., F.ASCE

### Karl Emil Hilgard Hydraulic Prize

This prize was instituted in 1939 as a result of an endowment left to the Society for the purpose by Karl Emil Hilgard, M.ASCE.

- I. The award is given to the author, or authors, of that paper which is judged to be of superior merit, dealing with a problem of flowing water, either in theory or practice. Preferably, the award is given to a paper that is not otherwise recognized by receiving another Society prize. The value of the paper is judged both on the basis of the subject matter and the method of presentation.
- II. Papers published in a print issue of an ASCE journal during the twelve-month period ending with June of the year preceding the year of award are eligible.
- III. Membership in the Society is not a requirement for consideration.
- IV. The prize is presented annually, except that no award is given in a year in which a suitable candidate cannot be found.

- V. In any year when the excellence of more than one paper justifies it, the prize committee may designate a "second order of merit." A paper so recognized is considered eligible to compete in the award for the next year. When a recipient is selected, the selection committee shall also notify the Honors and Awards Program office, in writing, the nominees designated to be reconsidered in the next award cycle.
- VI. The Hydraulics and Waterways Council Awards Committee shall recommend a winner to the EWRI Awards Committee, which shall seek approval from the Governing Board of the Environmental and Water Resources Institute. The Governing Board of the Environmental and Water Resources Institute shall submit their recommendation to the Executive Committee of the ASCE Board of Direction for final approval.
- VII. The prize consists of a wall plaque. The lead author shall receive the plaque. All other authors shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by October 1.

Awards have been made as follows:

- 2007 FRANCESCO G. CAROLLO, Ph.D.; VITO FERRO, Ph.D.; and DONATELLA TERMINI, Ph.D.
- 2008 GUSTAAF A. KIKKERT Ph.D.; MARK J. DAVIDSON; ROGER I. NOKES
- 2009 VOLKER WEITBRECHT, Dr.Ing.; SCOTT SOCOLOFSKY, Ph.D., M.ASCE; and GERHARD JIRKA, Ph.D., P.E., F.ASCE
- 2010 ALAN J.S. CUTHBERTSON, Ph.D.; DAVID D. APSLEY, Ph.D.; PETER A. DAVIES, Ph.D.; GIORDANO LIPARI, Ph.D.; and PETER K. STANSBY, Ph.D.
- 2011 GOKHAN KIRKIL, Ph.D., A.M.ASCE; GEORGE S. CONSTANTINESCU, Ph.D., M.ASCE; and ROBERT ETTEMA, Ph.D., P.E., M.ASCE

### Julian Hinds Award

The Julian Hinds Award was endowed in 1974 by John R. Kiely, F.ASCE, in recognition of the outstanding professional contributions of Julian Hinds, Hon.M.ASCE. The award was established by the Board of Direction in 1974.

- I. The award is to be made annually to the author(s) of that paper which is judged to be the most meritorious contribution to the field of water resources development such as multi-purpose water projects for irrigation, flood control, municipal and industrial water, hydroelectric power or any combination thereof. The award can also be made to an individual for notable performance, long years of distinguished service, or specific actions that have served to advance engineering in the field of planning, development, and management of water resources.
- II. To be eligible papers must have been published in a print issue of an ASCE journal during the twelve-month period ending with June of the year preceding the year of the award.
- III. Only an individual holding any grade of membership in the American Society of Civil Engineers is eligible for the Award. In the case of papers written by more than one person, at least one author must be a member of ASCE.
- IV. The Award Committee shall be the Awards Committee of the Environmental and Water Resources Institute which shall recommend a recipient or recipients if any to the Executive Committee of the ASCE Board of Direction for approval.
- V. The Award shall consist of a wall plaque and a cash prize determined annually by and subject to the approval of the Executive Committee of the Board of Direction based on the income from the award endowment. The lead author shall receive the plaque and cash prize. All other authors shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by October 1.

Awards have been made as follows:

- 2007 WAYNE C. HUBER, Ph.D., P.E., M.ASCE
- 2008 HUGO A. LOAICIGA, Ph.D., P.E., F.ASCE
- 2009 RICHARD M. VOGEL, Ph.D., M.ASCE
- 2010 PETER P. ROGERS, Ph.D., M.ASCE
- 2011 JAY R. LUND, Ph.D., M.ASCE



### Civil Engineering History and Heritage Award

To recognize those persons who through their writing, research or other efforts have made outstanding contributions toward a better knowledge of, or appreciation of, the history and heritage of civil engineering, Trent R. Dames, F.ASCE, Past Vice President of ASCE, and member of the first Committee on History and Heritage of American Civil Engineering, and his wife, Phoebe L. Dames, contributed funds, the annual income of which is to be used for a Civil Engineering History and Heritage Award. The Award was officially instituted by action of the Board of Direction in October 1966.

- I. The name of the award is the Civil Engineering History and Heritage Award.
- II. The award is made to recognize the recipient's or in exceptional cases, not more than two recipients', contribution/s toward a better knowledge of, or appreciation of, the history and heritage of civil engineering.
- III. The award is not restricted to members of the Society.
- IV. The award may be made annually and may not be made to the same person more than once.
- V. Posthumous awards will not be made, except if the nomination was submitted before the nominee's death.
- VI. Nominations should be submitted to the Honors and Awards program office before November 1 for consideration by the History and Heritage Committee. Any person (or organization) may submit a nomination, however submittal of the nomination through the Section Committee on History and Heritage, which has jurisdiction over the locale in which the nominee resides, is encouraged. Nominations may also originate within the Heritage Committee.
- VII. The Committee on History and Heritage of American Civil Engineering shall recommend the recipient or recipients, if any, to the Executive Committee of the ASCE Board of Direction for final action.
- VIII. The award shall consist of a plaque and honorarium determined annually by and subject to approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment.
- IX. The award is normally presented at the Society's Annual Conference.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2007	MICHAEL M. CHRIMES	2010	DONALD SAYENGA
2008	ROBERT J. HOEKSEMA, PH.D., M.ASCE	2011	JERRY R. ROGERS, Ph.D., P.E., D.WRE, Dist.M.ASCE
2009	HOWARD H. NEWLON, JR., P.E., F.ASCE and RONALD C. COX, Ph.D., C.Eng.		

### Phillip R. Hoffman Award

This award was officially instituted by action of the Board of Direction in October 1987 through the generosity of Nevenka Hoffman, widow of Phillip R. Hoffman.

Mr. Hoffman, who received the Rickey Medal in 1981, was associated with the Los Angeles Department of Water and Power for many years. He had special interest in the design and development of hydroelectric generation-pumped storage. It is hoped that this memorial award will encourage others to concern themselves with this field.

- I. The award may be made annually to an engineer who has made a definite contribution to the field of hydroelectric generation-pumped storage. Membership in the Society is not a requirement for consideration. The contribution can be in the form of a published paper or performance in the field.
- II. The Executive Committee of the Energy Division shall recommend the recipient, or recipients in the case of a joint effort, to the Executive Committee of the ASCE Board of Direction for final action.
- III. The award shall consist of a plaque.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2001 DAVID E. KLEINER, P.E.

### **Wesley W. Horner Award**

The Wesley W. Horner Award was instituted in 1968 by the Sanitary Engineering Division (now the Environmental and Water Resources Institute) of the American Society of Civil Engineers, and is endowed by Horner Shifrin, Inc. and the family of Wesley W. Horner, Past President of the Society. The Award is made in accordance with the rules of the Society and the following rules:

- I. All papers dealing with hydrology, urban drainage, or sewerage that are published in a print issue of an ASCE journal in the twelve-month period ending with June of the preceding year of award are eligible.
- II. The eligible papers will be reviewed by a committee of the Environmental and Water Resources Institute, which shall select a nominee for final action by the Executive Committee of the ASCE Board of Direction.
- III. The award may be made to the author(s) of the paper that makes the most valuable contribution to the environmental engineering profession, with preference given to those authors who are in the private practice of engineering.
- IV. Membership in the Society is not a requirement for consideration.
- V. The award shall consist of a plaque and cash prize determined annually by and subject to the approval of the Executive Committee of the Board of Direction, with the advice of the Governing Board of the Environmental and Water Resources Institute, based on the income from the award fund. The lead author shall receive the plaque and cash prize. All other authors shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by October 1.

Awards have been made as follows:

2005 CARL F. CERCO, Ph.D., P.E., A.M.ASCE; LEWIS LINKER; and MARK R. NOEL  
 2007 YOUSSEL FILALI-MEKNASSI, Ph.D.; MURIEL AURIOL, S.M.ASCE; RAJESHWAR D. TYAGI, Ph.D., M.ASCE; RAO Y. SURAMPALLI, Ph.D., P.E., BCEE, F.ASCE; and YVES COMEAU, Ph.D., P.E., M.ASCE  
 2008 CHIN-PAO HUANG, PH.D., P.E., M.ASCE; SAMUEL P. MYODA  
 2009 KEITH C. K. LAI, Ph.D., A.M.ASCE and IRENE M.C. LO, Ph.D., M.ASCE  
 2010 MARCELO CERUCCI, Ph.D., A.M.ASCE and GOPI K. JALIGAMA, P.E., A.M.ASCE

### **George W. Housner Structural Control and Monitoring Medal**

This medal is named for George W. Housner, Ph.D., M.ASCE who was a Professor at the California Institute of Technology and who is known for pioneering contributions to the field of structural control and monitoring of civil infrastructure systems. The medal was established by action of the Society on July 29, 2011.

- I. The medal may be awarded annually to one individual in recognition of outstanding research contributions to the broad field of structural control and health monitoring.
- II. Membership in the Society is not a consideration for this award.
- III. The Awards Committee of the Engineering Mechanics Institute shall recommend for EMI Board approval the name of the recommended winner. With EMI Board approval the recommendation shall be presented to the Executive Committee for final action.
- IV. The medal will be presented at the Engineering Mechanics Institute Annual Conference, ASCE Annual Conference, or a mechanics conference co-sponsored by the Society.
- V. No one shall receive the medal more than once.
- VI. The award shall consist of a medal.
- VI. The year of first award shall be 2012.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

### Ernest E. Howard Award

This award was instituted and endowed in 1954 by Mrs. Howard in honor of her husband, Ernest E. Howard, Past President, ASCE.

- I. The award is known as the Ernest E. Howard Award.
- II. The award is made annually to a member of the American Society of Civil Engineers who has made a definite contribution to the advancement of structural engineering, either in research, planning, design or construction, including methods and materials, these contributions being made either in the form of a paper or other written presentation, or through notable performance or specific actions which have served to advance structural engineering.
- III. Not more than one award is made each year unless the achievement upon which the award is based is considered to be the contribution of more than one person, such as joint authorship of a paper. In such cases duplicate or multiple prizes are tendered, provided that the balance then available in the award fund is adequate for the purpose.
- IV. The annual recommendation of the recipient shall be made by the Committee on the Ernest E. Howard Award to the Executive Committee. This Committee shall consist of three members who shall have overlapping terms of service of three years. The chair is the member who, at the time of appointment, is chair of the Technical Activities Committee. The other two members are, at the time of appointment, the chairs who have most recently retired from the Structural Engineering Institute Awards Committee and the Board of Directors of the Construction Institute.
- V. The Committee on the Ernest E. Howard Award may also designate "second and third order of merit" nominees. These candidates will be reconsidered by the Committee for the next two years. When a recipient is selected, the selection committee shall also notify the Honors and Awards Program office, in writing, the nominees designated to be reconsidered in the next award cycle. Other remaining candidates will be reconsidered only if responsored after a five-year waiting period.
- VI. The award consists of a gold-plated medal and a cash honorarium determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2007	DAN M. FRANGOPOL, Sc.D., P.E., Dr.h.c., F.ASCE	2010	CHARLES W. ROEDER, Ph.D., P.E., M.ASCE
2008	WILLIAM J. LeMESSURIER, P.E., Hon.M.ASCE, NAE	2011	RAYMOND J. MCCABE, P.E., M.ASCE
2009	THOMAS M. MURRAY, Ph.D., P.E., F.ASCE, NAE		

### Walter L. Huber Civil Engineering Research Prizes

In July 1946, the Board of Direction authorized annual awards on recommendation by the Society's Committee on Research, to stimulate research in civil engineering. In October 1964, Mrs. Alberta Reed Huber endowed these prizes in honor of her husband, Walter L. Huber, Past President, ASCE.

- I. Research Prizes are to be awarded to members of the Society in any grade for notable achievements in research related to civil engineering. Preference shall be given to younger members (40 years of age or younger) of early accomplishment who can be expected to continue fruitful careers in research. No one shall receive a Research Prize more than once.
- II. Nominations may be submitted by anyone and must be sent directly to the Honors and Awards Program office by October 1. The Honors and Awards Program office will transmit nominations to the appropriate ASCE Organizational Entity.
  - a. Nominations sent to the Honors and Awards Program office by October 1 will be transmitted to the appropriate ASCE Organizational Entity.

- b. Each ASCE Organizational Entity may recommend for review by the Huber Selection Committee up to three candidates. Documentation shall be limited to ten pages plus the candidate nomination form.
  - c. Only those candidate nominations received by the ASCE Organizational Entity by January 15 will be considered by the TAC Awards Committee on the Walter L. Huber Civil Engineering Research Prizes.
- III. The TAC Awards Committee on the Walter L. Huber Civil Engineering Research Prizes shall review the ASCE Organizational Entity endorsed candidates and make recommendations to the Executive Committee of the ASCE Board of Direction. The Award Committee shall be composed of two representatives from TAC and representatives from each Institute as designated by TAC and each Institute. Members shall serve three-year overlapping terms. The chair shall be the senior Committee member. To the extent possible, the Committee shall include both practitioners and educators.
- IV. Each award shall consist of a suitable certificate and a cash prize determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment.
- V. Each year, the number of prizes shall not exceed five. The Award Committee shall present its nominations for final action by the Executive Committee of the ASCE Board of Direction.

To nominate for this award, follow the outline on Honors and Awards, and include the Huber form downloaded from the Web at <http://www.asce.org/awards>. Nominations should reach the ASCE Headquarters by October 1.

Awards have been made as follows:

- 2007 BURCU H. AKINCI, Ph.D., M.ASCE; REGINALD DesROCHES, Ph.D., M.ASCE; SHERIF EL-TAWIL, Ph.D., P.E., M.ASCE; FENIOSKY PENA-MORA, Sc.D., P.E., M.ASCE; and KENICHI SOGA, Ph.D., M.ASCE
- 2008 ARPAD HORVATH, Ph.D., M.ASCE; AARON I. PACKMAN, Ph.D., P.E., M.ASCE; THANOS PAPANICOLAOU, Ph.D., M.ASCE; ANDREW W. SMYTH, Ph.D., M.ASCE; JONATHAN P. STEWART, Ph.D., P.E., M.ASCE
- 2009 TAREK H. ABDOUN, Ph.D., M.ASCE; LORI GRAHAM-BRADY, Ph.D., M.ASCE; GREGORY V. LOWRY, Ph.D., M.ASCE; SRINIVAS PEETA, Ph.D., M.ASCE; and ERIC B. WILLIAMSON, Ph.D., P.E., M.ASCE
- 2010 KARA M. KOCKELMAN, Ph.D., P.E., M.ASCE; GUSTAVO J. PARRA-MONTESINOS, Ph.D., A.M.ASCE; ELLEN M. RATHJE, Ph.D., P.E., M.ASCE; BENJAMIN W. SCHAFER, Ph.D., P.E., M.ASCE; and THORSTEN WAGENER, Ph.D., A.M.ASCE
- 2011 AHMET H. AYDILEK, Ph.D., M.ASCE; CASEY BROWN, Ph.D., P.E., M.ASCE; ERIC M.V. HOEK, Ph.D., A.M.ASCE; ERTUGRUL TACIROGLU, Ph.D., M.ASCE; and W. JASON WEISS, Ph.D., M.ASCE

### Hydraulic Structures Medal

The Hydraulic Structures Medal was instituted in 1983 by Fred. W. Blaisdell, F.ASCE, to honor the contributions of Melvin M. Culp, M.ASCE, and William O. Ree, F.ASCE, for their conception and development of generalized procedures for the design and application of hydraulic structures, and for their exemplary ethical and professional standards. The Medal was endowed by additional gifts from friends and professional associates.

- I. The award will be given without restrictions as to Society membership.
- II. The award shall consist of a gold-plated medal and cash prize determined annually by and subject to the approval of the Executive Committee of the Board of Direction, with the advice of the Governing Board of the Environmental and Water Resources Institute, based on the income from the award fund.
- III. The award may be made annually to an individual for significant contributions to the advancement of the art and science of hydraulic engineering as applied to hydraulic structures. The selection committee may consider a candidate's papers published in the Society's technical journals, innovative application of hydraulic principles, individual achievements, or distinguished or meritorious service. A contribution of fundamental principles or design criteria having general application to multiple structures and usefulness over wide geographical areas is given preferred consideration over a contribution specific to a single structure or limited area. In the case of a paper, the coverage and presentation shall be sufficiently complete that the subject matter can be readily evaluated by

the practitioner and immediately and confidently applied in practice. The subject matter must completely cover a complete structure or a complete element of a structure. Theoretical and mathematical models must be verified by physical models or physical data. Clarity of expression, readability, and form of presentation are also considered.

- IV. The award is presented at a national meeting of the Environmental and Water Resources -Institute.
- V. Responsibility for nominations and recommendation of the winner (or winners) of the Hydraulic Structures Medal is vested in the Environmental and Water Resources Institute, who shall make their recommendation by February 15 of each year for ratification by the Executive Committee of the ASCE Board of Direction.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by October 1.

Awards have been made as follows:

2007	WILLI H. HAGER, Ph.D., F.ASCE	2010	CHARLES C.S. SONG, Ph.D., P.E., M.ASCE
2008	ALLEN L. DAVIS, Ph.D., P.E., M.ASCE	2011	MAHADEVAN PADMANABHAN, Ph.D., P.E., M.ASCE
2009	DUNCAN HAY, P.E., A.M.ASCE		

### **Innovation in Sustainable Civil Engineering Award**

This award was established in May 1981 as the Innovation in Civil Engineering Award through an endowment by Arsham Amirikian, Hon.M.ASCE and member of the National Academy of Engineering. In 2010, the award was renamed the Innovation in Sustainable Civil Engineering Award.

- I. The award is known as the Innovation in Sustainable Civil Engineering Award.
- II. The award may be made annually to a civil engineering project in recognition of creativity in the form of innovative sustainability. Projects may be any that demonstrate innovation in sustainability.
- III. To be eligible for consideration, projects must, first and foremost, demonstrate adherence to the principles of economic, social and environmental sustainability. Projects developed or implemented in the six-year period preceding the year of award and not a candidate for the Outstanding Civil Engineering Achievement (OCEA) Award are eligible.
- IV. The criteria used to evaluate projects are: (a) the extent to which innovative design or construction methods improve economic, social and environmental sustainability; (b) the promise shown by the innovation to extend future developments in sustainability; (c) the degree to which the project extends public understanding of sustainability in construction.
- V. Entries for the award should include a rationale statement describing how the project exemplifies the economic, social and environmental principles of sustainability, the merits and title of the project, a clear description of the innovation in sustainability, the anticipated advantages to be obtained, and a statement of how the sustainable project met the client's needs.
- VI. Each nomination shall also include:
  - a. Designer's and client's names and contact information;
  - b. The names of others who collaborated and to what extent they collaborated.
- VII. The recipient of this award shall be recommended by the Committee on Sustainability to the Executive Committee for final approval. Entries not selected to receive the award may be carried over for reconsideration in the following year provided they remain eligible within the six-year completion period.
- VIII. The award shall consist of a trophy.
- IX. The descriptive text of the winning project will be transmitted to *Civil Engineering* magazine for possible editorial treatment.

To nominate submit, in addition to items in V and VI above, the following:

A cover letter, signed by the nominator

An Innovation in Sustainable Civil Engineering Award nomination form

To nominate for this award, follow the outline above. Nominations should reach the ASCE Headquarters by June 1.

2011 MENOMONEE VALLEY INDUSTRIAL CENTER AND COMMUNITY PARK

### International Coastal Engineering Award

This award was established to provide international recognition for outstanding leadership and development in the field of coastal engineering. This award was endowed in 1977 through personal contributions of coastal engineers throughout the world, most notably the significant contribution of Ing. Mauricio Porraz. The award was officially instituted by the Board of Direction in October 1977.

- I. The award may be made annually to an individual who has made a significant contribution to the advancement of coastal engineering in the manner of engineering design, teaching, professional leadership, construction, research, planning, or a combination thereof.
- II. Not more than one presentation of the award is made each year unless the achievement upon which the award is based is considered to be the contribution of more than one person. In such cases, duplicate or multiple awards are tendered only if the balance then available in the award fund is adequate for the purpose. No one shall receive the award or a portion thereof more than once.
- III. The recipient of the International Coastal Engineering Award is to be chosen from the international community of coastal engineers, without restriction as to nationality or Society membership. The Coastal Engineering Research Council will nominate the recipient of this award and forward their nomination to the Awards Committee of the Coasts, Oceans, Ports, and Rivers Institute (COPRI). The COPRI Awards Committee will ensure that the appropriate process was followed in the selection of the nominee and, when satisfied the appropriate process was followed, will forward the nomination to the COPRI Board of Governors for approval. Final approval shall be the responsibility of the ASCE Executive Committee.
- IV. The winner shall receive a plaque and an honorarium that will be established annually by the Executive Committee of the Board of Direction on the basis of a review of the annual income from the award fund. In the case of a joint award, the lead recipient shall receive the plaque and cash prize. All other winners shall receive only a certificate.
- V. In even-numbered years the Award will, if possible, be presented at the International Coastal Engineering Conference. In odd-numbered years the Award will be presented at an ASCE national or specialty conference as desired by the recipient.

Winners who are not ASCE members are not presented at the ASCE Annual Conference.

- VI. In the absence of sufficient qualified nominations, the Coastal Engineering Research Council can choose not to make a recommendation in a given year.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2007	EDWARD B. THORNTON, Ph.D., M.ASCE	2010	NOBUHISA KOBAYASHI, Ph.D., M.ASCE
2008	RONALD M. NOBLE, P.E., L.S., F.ASCE	2011	MIGUEL A. LOSADA RODRIGUEZ, Ph.D., M.ASCE
2009	HANS F. BURCHARTH		

### Martin S. Kapp Foundation Engineering Award

The Martin S. Kapp Foundation Engineering Award is a memorial in recognition of the outstanding professional accomplishments of Martin S. Kapp, F.ASCE. The award is supported by the income from a fund contributed by the friends and professional associates of Mr. Kapp. The award was established by the Board of Direction in April, 1973.

- I. The Martin S. Kapp Foundation Engineering Award will be given to an individual on the basis of the best example of innovative or outstanding design or construction of foundations, earthworks, retaining structures, or underground construction. Emphasis shall be placed on constructed works where serious difficulties were overcome or where substantial economies were achieved. The example shall have been described in published form available to the entire engineering community.
- II. Not more than one award of the prize is made each year unless the achievement upon which the award is based is considered to be the contribution of more than one person, such as the joint authorship of a paper. No one shall receive the honor, or any portion thereof, more than once.
- III. The award is not restricted to members of the Society.

- IV. The recipient of the Award, if any, will be submitted to the ASCE Executive Committee by the Geo-Institute Board of Governors.
- V. The award consists of a plaque and a cash prize determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment.

In the case of a joint effort, the lead recipient shall receive the plaque and cash prize. All other recipients shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by August 15.

Awards have been made as follows:

2006	JEAN-LOUIS BRIAUD, Ph.D., P.E., F.ASCE	2010	DOV LESHCHINSKY, Ph.D., M.ASCE
2008	JOHN R. WOLOSICK, P.E., M.ASCE	2011	JERRY A. DIMAGGIO, P.E., D.GE, M.ASCE
2009	DAN A. BROWN, Ph.D., P.E., M.ASCE		

### James Laurie Prize

The James Laurie Prize was established by the Society on October 1, 1912, and is named in honor of the first President of the Society. In the period from 1912 through 1965, the Prize was awarded under the rules for the Thomas Fitch Rowland Prize for the paper judged to be next in order of merit. By action of the Board of Direction in October 1964, the Prize is now awarded on the basis of contributions to the advancement of transportation engineering. It is administered by the Transportation and Development Institute through the Honors and Awards Program.

- I. The award is made annually to a member of the Society who has made a definite contribution to the advancement of transportation engineering, in research, planning, design, or construction. The contribution may have been made either in the form of papers or other written presentation, or through specific actions that have served to advance transportation engineering.
- II. Not more than one award of the prize is made each year unless the achievement upon which the award is based is considered to be the joint contribution of more than one person, such as joint authorship of a paper. No one shall receive the honor more than once.
- III. Each Section and Branch and each Technical Council of the Transportation & Development Institute of ASCE (T&DI) is entitled to enter the name of one nominee annually. These names, and supporting documents, will be referred to the judging committee.
- IV. The Awards Committee of T&DI reviews nominations presented by the Honors and Awards program and recommends to the Board of Governors of T&DI the recipient, if any, for final action by the Executive Committee of the ASCE Board of Direction.
- V. Nominees not selected in a given year may be held over for consideration by the Awards Committee of the T&DI, with approval from the Board of Governors of T&DI. The names of these nominees will be conveyed to the Honors and Award program office.
- VI. The award consists of a plaque. Award winners who are not the lead recipient shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2007	IMAD L. AL-QADI, Ph.D., P.E., F.ASCE	2010	EVA LERNER-LAM, M.ASCE
2008	THOMAS F. LARWIN, P.E., M.ASCE	2011	KUMARES C. SINHA, Ph.D., P.E., Hon.M.ASCE, NAE
2009	FRED L. MANNERING, Ph.D., M.ASCE		

### Walter LeFevre Award

This award is named for Walter LeFevre, Ph.D., P.E., Hon.M.ASCE who endowed this award to recognize actions in promoting licensure, ethics and professionalism. The award was established by action of the Society in 2007.



- I. The award may be made annually to the program at an academic institution that offers an EAC of ABET accredited civil or related undergraduate engineering program.
- II. Membership in the Society is not a consideration for this award.
- III. The Committee on Curricula & Accreditation (CC&A) shall recommend to the Executive Committee the recipient of the award based on its evaluation of the nominations presented. Multi-year recipients shall show continued improvement and incremental achievement.
- IV. Two awards may be given annually. One award category shall be for programs with greater than fifty (50) graduates (large programs) and the second award category shall be for programs with fifty (50) or fewer graduates (small programs).
- V. Criteria for the award shall include, each weighing equally: a) the percent of graduates (minimum 60% to apply) in a particular Academic Year who took the FE while enrolled in the program, b) the percent of those graduates (from 4a above) who passed the exam while enrolled in the program, c) the percent of eligible faculty who are licensed in a US jurisdiction, and d) a not-to-exceed-two page subjective, narrative evaluation detailing the extent of the curricula devoted to licensures, ethics and professionalism and activities undertaken by the Department to promote these topics to include improvement from previous Academic Years. Data to substantiate the narrative evaluation shall be provided with the application.
- VI. The Award consists of a crystal award. Up to two (2) Honorable Mention awards per category, consisting of a plaque, may be presented to other deserving programs.
- VII. Past recipients of the Walter LeFevre Award shall be eligible to receive the Award multiple times provided the evaluation shows additional performance which justifies receiving the Award again.
- VIII. The details of the award-winning program shall be publicized through an article in an ASCE publication.

To apply for this award, completed nomination forms shall be received by the Honors and Awards program at ASCE Headquarters no later than January 15 for the preceding Academic Year.

Awards have been made as follows:

- 2008 IOWA STATE UNIVERSITY CIVIL, CONSTRUCTION & ENVIRONMENTAL ENGINEERING DEPARTMENT (Large Program), UNIVERSITY OF IDAHO DEPARTMENT OF CIVIL ENGINEERING (Small Program), DEPARTMENT OF CIVIL ENGINEERING AT ROSE-HULMAN INSTITUTE OF TECHNOLOGY (Honorable Mention, Small Program)
- 2009 UNITED STATES MILITARY ACADEMY CIVIL ENGINEERING DIVISION (Large Program) and UNIVERSITY OF EVANSVILLE CIVIL ENGINEERING PROGRAM (Small Program)
- 2010 KANSAS STATE UNIVERSITY ARCHITECTURAL ENGINEERING PROGRAM (Large Program) and UNITED STATES MILITARY ACADEMY CIVIL ENGINEERING DIVISION (Small Program)
- 2011 UNIVERSITY OF WISCONSIN – MADISON DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING (Large Program); UNIVERSITY OF NEW ORLEANS DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING (Small Program); MONTANA STATE UNIVERSITY CIVIL ENGINEERING PROGRAM (Honorable Mention)

### T. Y. Lin Award

The ASCE Prestressed Concrete Award was endowed in 1968 by T. Y. Lin, F.ASCE, to encourage the preparation of meaningful papers in the designated field of endeavor. The award was instituted by the Board of Direction in May 1968. By Board action in October 1969 the name of the award was changed to the "T. Y. Lin Award." The award is made in accordance with the policies of the Society and the following specific rules:

- I. All papers written or co-authored by members of ASCE that deal with prestressed concrete and which are published in a print issue in the twelve-month period ending with June of the year preceding the year of award are eligible. Preference shall be given to papers written by younger authors.
- II. The American Concrete Institute and the Prestressed Concrete Institute will each be invited to nominate a single paper selected from their respective publications (which meet the foregoing

criteria) for judging along with the single paper selected by the Structural Engineering Institute (SEI) from any ASCE publication.

- III. Annually the three papers thus selected will be reviewed by a committee composed of one member each from the American Concrete Institute and the Prestressed Concrete Institute, and one or more members from the SEI—one of whom shall be the chair. This committee shall select a nominee for recommendation to the SEI Board of Governors. Final approval shall be the responsibility of the ASCE Executive Committee.
- IV. The leading author shall receive a plaque and a cash prize determined annually by, and subject to the approval of the Executive Committee of the ASCE Board of Direction will be based on the income from the award endowment. All other authors shall receive only a certificate.

Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

- 2006 STEPHEN J. SEGUIRANT, P.E., M.ASCE; RICHARD BRICE, P.E.; and BIJAN KHALEGHI, Ph.D., P.E.
- 2007 SIDDHARTH MANDAL, A.M.ASCE and AMIR FAM, P.E., M.ASCE
- 2008 JOHN J. ROLLER, P.E., M.ASCE; HENRY G. RUSSELL, Ph.D., P.E.; ROBERT N. BRUCE, Ph.D., P.E.
- 2009 TANYA LUTHI; JEFFREY R. DIEPHUIS, P.E.; JUAN JOSE ICAZA A., A.M.ASCE; JOHN E. BREEN, P.E., F.ASCE; and MICHAEL E. KREGER, P.E., M.ASCE
- 2011 NABIL AL-OMAISHI, P.E., P.E., M.ASCE; MAHER K. TADROS, Ph.D., P.E., M.ASCE; and STEPHEN J. SEGUIRANT, P.E., M.ASCE

### **Frank M. Masters Transportation Engineering Award**

The Frank M. Masters Transportation Engineering Award is a memorial to the outstanding professional accomplishments of Frank M. Masters, Hon.M.ASCE. The award is supported by the income from a bequest from Mr. Masters. The award was established by the Board of Direction in November, 1975.

- I. The award is given to a member of the Society for the best example of innovative or noteworthy planning, design, or construction of transportation facilities. The example must have been described in published form available to the entire engineering community.
- II. Not more than one award of the prize is made each year unless the achievement upon which the award is based is considered to be the joint contribution of more than one person, such as joint authorship of a paper. No one receives the honor, or any portion thereof, more than once.
- III. The Awards Committee of T&DI reviews nominations presented by the Honors and Awards program and recommends to the Board of Governors of T&DI the recipient, if any, for final action by the Executive Committee of the ASCE.
- IV. Nominees not selected in a given year may be held over for consideration by the Awards Committee of T&DI, with approval from the Board of Governors of T&DI. The names of these nominees will be conveyed to the Honors and Awards program office.
- V. The award consists of a medal. Winners who are not the lead recipient shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

- |  |  |
|--|--|
| 2005 TIEN F. FWA, Ph.D., P.E., M.ASCE        | 2010 STEPHEN G. RITCHIE, Ph.D., M.ASCE     |
| 2008 EDWARD C. SULLIVAN, Ph.D., P.E., M.ASCE | 2011 Kelvin C.P. Wang, Ph.D., P.E., M.ASCE |
| 2009 MITSURU SAITO, Ph.D., P.E., F.ASCE      |  |

### **Daniel W. Mead Prize for Younger Members**

The prize was established and endowed in 1939 by Daniel W. Mead, Past President and Honorary Member, ASCE.

- I. The Daniel W. Mead Prizes for Younger Members may be awarded annually on the basis of papers on professional ethics. Each year the Committee on Younger Members shall select the specific topics of the contest for the forthcoming year.

- II. Younger Members of the Society who are in good standing at the time their papers are submitted are eligible, unless they have previously received the national award for which they are competing. For the purpose of this Prize, Younger Members are defined as Affiliate Members, Associate Members or Members 35 years of age or less on February 1 in the year of the award.
- III. Papers for the national contest shall (a) not exceed 2,000 words in length; (b) be written by only one person; and (c) not have previously been published in other than school or Society publications.
- IV. Papers shall be judged by the Committee on Younger Members (CYM). The Committee shall select one nominee as the national winner. Certificates of Commendation may be given to other deserving nominees. The nominations, if any, shall be presented to the Executive Committee of the ASCE Board of Direction for approval.
- V. The recipients of Certificates of Commendation shall receive an appropriate certificate recognizing their achievements. The national winner shall receive a plaque and cash prize determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment. The papers written by the national winners shall be forwarded to the Publications Committee for consideration in an appropriate Society journal.
- VI. Active voting members of CYM shall not be eligible for the award. Corresponding Members of CYM are eligible.

To nominate, submit the following as a single pdf on CD (one CD per nomination):

- A cover letter, signed by the nominator
- An application checklist
- An Official Award Nomination form
- A Daniel W. Mead Prize application form, endorsed by the Section or Branch President
- The nominated paper

Nomination packages must be postmarked by February 1 and submitted to the Honors and Awards Program at the ASCE Headquarters, 1801 Alexander Bell Drive, Reston, VA 20191-4410.

Awards have been made as follows:

2007	T. KATE THIVIERGE, P.E., M.ASCE	2010	PAUL A. VOILES, P.E., PTP, M. ASCE
2008	MATTHEW K. SWENTY, P.E., A.M.ASCE	2011	PETER J. JONNA, E.I.T., A.M.ASCE; BRAD JANSEN, P.E., A.M.ASCE (Certificate of Commendation)
2009	HOWARD LUBLINER, P.E., A.M.ASCE		

### Daniel W. Mead Prize for Students

The prize was established and endowed in 1939 by Daniel W. Mead, Past President and Honorary Member, ASCE.

- I. The Daniel W. Mead Prize for Students may be awarded annually on the basis of papers on professional ethics. Each year the specific topics (if any) of the contest for the forthcoming year shall be selected by the Committee on Student Activities.
- II. Members of Student Organizations of the Society who are in good standing at the time their papers are submitted are eligible, unless they have previously received the national award for which they are competing.
- III. Papers for the national contest shall (a) be limited to one paper from each Student Organization; (b) be submitted to the Executive Director through the Faculty Advisor by April 1; (c) not exceed 2,000 words in length; (d) be written by only one person; and (e) not have previously been published in other than school or Society publications.
- IV. The Committee on Student Activities shall review each submission and nominate the top five student papers as Society winners, of which one may be selected as the national winner. The nominations, if any, shall be presented to the Education Activities Committee for final action during their meeting in the Spring.
- V. Second through fifth place winners shall receive an appropriate certificate recognizing their achievement. The national winner shall receive a certificate and a plaque. The paper written by

the national winner shall be forwarded to the Publications Committee for consideration in an appropriate Society journal.

Papers must be submitted through the Faculty Advisor to the ASCE Headquarters by March 1.

Awards have been made as follows:

2007	RACHEL N. HOWSER, S.M.ASCE	2010	THOMAS STRUBEL, S.M.ASCE
2008	SARAH J. BARNES, S.M.ASCE	2011	CHRISTINE TRUONG, S.M.ASCE
2009	ROSHANI J. PATEL, S.M.ASCE		

### **Henry L. Michel Award for Industry Advancement of Research**

The Henry L. Michel Award for Industry Advancement of Research was established in 1996 and is named in honor of Henry L. Michel, Past Chair of the Civil Engineering Research Foundation (CERF) Board of Directors. This annual award is intended to recognize and acknowledge leaders of the design and construction industry whose dedication and aggressive vision for the industry have provided the cornerstones for improving the quality of people's lives around the world through research in the design and construction industry. It was instituted as a Society Award December 17, 2008.

- I. The individual nominated must be a visionary leader whose work has had an impact on research and innovation in the design, construction, and/or environmental community. Not only can prior contributions be considered, but also the nominee's potential for advancing the industry in the future. The candidates' future potential can be given as much weight as their past accomplishments.
- II. The award is not restricted to members of the Society. The individual selected to receive the award may represent private, academic, or government sectors and their achievements should have had an influence on the design, construction, and/or environmental community. Current ASCE staff is not eligible for nomination.
- III. One award may be presented annually, if a suitable candidate is identified who has demonstrated a commitment to increase the awareness and participation of the industry in research and innovation advancement. No more than one award may be given in any one year. No one shall receive the award more than once.
- IV. The award committee shall be composed of five members, including the two previous award winners, one representative appointed by the Construction Institute and two representatives appointed by the ASCE Industry Leaders Council. Members shall serve staggered two-year terms. The committee shall be chaired by the senior member appointed by the Industry Leaders Council.
- V. The committee shall submit its recommendation to the Executive Committee of the ASCE Board of Direction for approval.
- VI. The submission deadline is June 1.
- VII. Nominees not selected in a given year will be held over for consideration through the next cycle. At the end of the second cycle, nominees not selected will no longer be eligible for consideration, except in the instance where nominations are resubmitted, to be considered for another two cycle period.

The award shall consist of a crystal trophy.

#### **Entry Format**

All entries should include the following:

A cover letter, signed by the nominator, including a 250-word rationale statement that describes how the nominee is a visionary leader

An Official Award Nomination form

The nominee's CV or biographical information

Three letters of recommendation

Nominations are due October 1.

Awards have been made as follows:

- 2005 JIM GLYMPH
- 2007 NORBERT W. YOUNG, JR.
- 2008 LTG CARL A. STROCK, P.E., M.ASCE, U.S. Army (Ret.)
- 2009 VICE ADMIRAL MICHAEL K. LOOSE, P.E., M.ASCE
- 2010 SAMUEL YEN-LIANG YIN, Ph.D., M.ASCE
- 2011 PRISCILLA PROVOST NELSON, Ph.D., Dist.M.ASCE

### **Thomas A. Middlebrooks Award**

The Thomas A. Middlebrooks Award, established by the Society in 1955, is a memorial in recognition of the outstanding professional accomplishments of Thomas A. Middlebrooks, A.M.ASCE. This award is supported by the income from a fund contributed by friends of Mr. Middlebrooks.

- I. The award is made to the author(s), of a paper published by the Society during the twelve-month period ending with June of the year preceding the year of award which shall be judged worthy of special commendation for its merit as a contribution to geotechnical engineering. No award is made in years in which no paper of suitable merit is published. The papers which receive the Norman Medal and the Croes Medal are not eligible for consideration for this award.
- II. The award is not restricted to members of the Society.
- III. The nomination of the recipient of the Award is the responsibility of the Governors of the Geo-Institute, which shall recommend to the ASCE Executive Committee for final approval.
- IV. The award shall consist of a certificate and cash prize determined annually by and subject to the approval of the Executive Committee of the Board of Direction based on the income from the award endowment. The recipient will be given the option of receiving the award, in part or in whole, in the form of books of his or her own selection. If the winning paper is written by a group, the lead author shall receive the certificate and cash prize. All other authors shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

- 2007 DEEPA S. LIYANAPATHIRANA, M.ASCE and HARRY G. POULOS, Ph.D., D.Sc., F.ASCE
- 2008 PATRICK FOX, Ph.D., A.M.ASCE
- 2009 PATRICK J. FOX, Ph.D., F.ASCE and ROBERT H. KIM
- 2010 JONATHAN D. BRAY, Ph.D., P.E., F.ASCE; DIMITRIOS ZEKOS, Ph.D., P.E., M.ASCE; EDWARD KAVAZANJIAN, Ph.D., P.E., D.GE, F.ASCE; GEORGE A. ATHANASOPOULOS, Ph.D., M.ASCE; and MICHAEL F. RIEMER, Ph.D., A.M.ASCE
- 2011 KIANOOSH HATAMI, Ph.D., P.Eng., M.ASCE; BRIAN GRADY, Ph.D.; and MATTHEW C. ULMER

### **Raymond D. Mindlin Medal**

This medal is named for Raymond D. Mindlin, Ph.D., M.ASCE who was a Professor at Columbia University and who is best known for pioneering contributions to applied mechanics. The medal was established by action of the Society in February 4, 2008.

- I. The medal may be awarded annually to an individual in recognition of outstanding research contributions to applied solid mechanics.
- II. Membership in the Society is not a consideration for this medal.
- III. The Awards Committee of the Engineering Mechanics Institute shall recommend for EMI Board approval the name of the recommended winner. With EMI Board approval, the recommendation is presented to the Executive Committee for final action.
- IV. The medal will be presented in the Engineering Mechanics Institute Annual Conference, the Society's Annual Conference, or a mechanics conference co-sponsored by ASCE.
- VI. No one shall receive the medal more than once.
- VII. The award items are a certificate and medal.

To nominate for this award, follow the outline on Honors and Awards, page 494.

- 2009 JAN D. ACHENBACH, Ph.D.
- 2010 FRANK L. DiMAGGIO, Ph.D., P.E., F.ASCE
- 2011 LEON M. KEER, Ph.D., P.E., F.ASCE, NAE

### John G. Moffatt–Frank E. Nichol Harbor and Coastal Engineering Award

This award was established in 1977 and was endowed by the firm of Moffatt & Nichol, Engineers, in honor of John G. Moffatt and Frank E. Nichol. The award is designed to recognize new ideas and concepts that can be efficiently implemented to expand the engineering or construction techniques available for harbor and coastal projects. Development of such concepts can occur in any of the academic, design or construction disciplines. Results of such contributions are more efficient techniques or understandings that translate directly into applications which benefit the profession and the public at large. The award was officially instituted by the Board of Direction in October 1977.

- I. The award may be made annually to a member of ASCE who has made a definite contribution in the fields of harbor and coastal engineering. Every third year, coinciding with the Ports Conference, preference will be given to a practitioner in the field of port or harbor engineering. This contribution may have been made either in the form of written presentations or notable performance.
- II. Not more than one presentation of the Award is made each year unless the achievement upon which the award is based is considered to be the contribution of more than one person. In such cases, duplicate or multiple awards are tendered only if the balance then available in the award fund is adequate for the purpose. No one shall receive the Award or a portion thereof more than once.
- III. Nomination is to be made by a panel of three judges appointed by the Coasts, Oceans, Ports, and Rivers Institute Board of Governors from recommendations made by the technical committees. The panel consists of one recognized professional engineer from each of the following fields: (a) academic faculty member; (b) practicing design engineer; and (c) marine/coastal engineering construction contractor. The term of each member of the panel of judges shall be three years. The terms shall be staggered to allow for overlapping service. The COPRI Board of Governors shall appoint a liaison member to the Panel of Judges. Final approval is the responsibility of the ASCE Executive Committee.
- IV. The award shall consist of a specially designed plaque and cash prize determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment.
- V. In the absence of sufficient qualified nominations, the Moffatt and Nichol Panel of Judges can choose not to make a recommendation in a given year.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2007	ROBERT M. ENGLER, Ph.D., M.ASCE	2010	JOHN W. GAYTHWAITE, P.E., M.ASCE
2008	VIJAY PANCHANG, PH.D., P.E., M.ASCE	2011	JAMES T. KIRBY, JR., Ph.D., M.ASCE
2009	RONALD M. NOBLE, P.E., L.S., F.ASCE		

### Moisseiff Award

This prize, established by the Society in April 1947, is a memorial in recognition of the accomplishments of Leon S. Moisseiff, M.ASCE, a notable contributor to the science and art of structural design.

Funds have been provided by Mr. Moisseiff's friends to set up the medal, with certificate, and to establish a trust fund to support the yearly awards.

- I. The prize is given, in any year, to an important paper published in a print issue of an ASCE journal in the twelve-month period ending with June of the year preceding the year of award (or any year since the last award), dealing with the broad field of structural design, including applied mechanics as well as the theoretical analysis, or constructive improvement, of engineering structures such as bridges and frames, of any structural material.
- II. Award of the prize in every year is not mandatory.
- III. Papers recognized for award of other Society prizes are disqualified.
- IV. All authors, whether members or nonmembers, are eligible to receive the prize.

- V. In any year when the excellence of more than one paper justifies it, the prize committee may designate a "second order of merit." A paper so recognized shall be considered eligible to compete in the award for the next year. When a recipient is selected, the selection committee shall also notify the Honors and Awards Program office, in writing, the nominees designated to be reconsidered in the next award cycle.
- VI. Preparation of a paper by another publisher disqualifies it from this competition.
- VII. The Structural Engineering Institute Board of Governors shall present its nominee to the ASCE Executive Committee for final approval.
- VIII. The prize consists of a bronze medal and a cash prize determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment. The lead author shall receive the medal and cash prize. All other authors shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

- 2006 SHAHRAM TAGHAUI and EDUARDO MIRANDA, Ph.D., M.ASCE
- 2007 MAURA LECCE, Ph.D. and KIM J.R. RASMUSSEN, Ph.D., M.ASCE
- 2008 KAPIL KHANDELWAL, S.M.ASCE and SHERIF EL-TAWIL, Ph.D., P.E., M.ASCE
- 2009 ALESSANDRO ZONA, Ph.D.; MICHELE BARBATO, Ph.D., M.ASCE; and JOEL CONTE, Ph.D., M.ASCE
- 2010 JOSEPH A. YURA, Ph.D., P.E., M.ASCE; TODD A. HELWIG, Ph.D., P.E., M.ASCE; REAGAN S. HERMAN, Ph.D., A.M.ASCE; and CHONG ZHOU, Ph.D., P.E., A.M.ASCE

### **Nathan M. Newmark Medal**

This award was established by the Engineering Mechanics and Structural Divisions to honor Nathan M. Newmark, Hon.M.ASCE, for his outstanding contributions in structural engineering and mechanics. The funds for the award were contributed by the honoree's former students in appreciation of the quality of education they received under his guidance at the University of Illinois. The Medal was officially instituted by action of the Board of Direction on November 1-2, 1975.

- I. The award may be made to a member of the American Society of Civil Engineers who, through contributions in structural mechanics, has helped substantially to strengthen the scientific base of structural engineering, these contributions having been made in the form of papers or other written presentations. The field of structural mechanics should be interpreted broadly and should include continuum mechanics related to structural and geotechnical engineering.
- II. Award recipients are nominated for the ASCE Executive Committee approval by a committee composed of the three most recently retired chairs of the Executive Committee of the Engineering Mechanics Institute and the three most recently retired chairs of the Structural Engineering Institute Executive Committee. The chair of the award committee alternates annually between the representatives of the two entities having the longest tenure on the Committee.
- III. Nominees not selected in a given year will be held over for consideration through the next selection cycle. At the end of the second cycle, nominees not chosen will no longer be eligible for consideration. Nominators who wish for their candidate to be considered for another two-cycle period must produce a new nomination package.
- IV. Not more than one award of the prize is made each year unless the achievement upon which the award is based is considered to be the contribution of more than one individual, such as joint authorship of a paper. In such cases duplicate or multiple prizes are tendered only if the balance then available in the award fund is adequate for the purpose.
- V. The award consists of a gold medal. If the award is presented for a joint effort, the lead recipient shall receive the medal. Award recipients who are not the lead recipient shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

- 2007 SAMI F. MASRI, Ph.D., M.ASCE
- 2008 GEORGE Z. VOYIADJIS, D.Sc., F.ASCE



- 2009 CHANDRAKANT S. DESAI, Ph.D., P.E., F.ASCE  
 2010 HOWARD S. LEVINE, Ph.D., M.ASCE  
 2011 ANDREI M. REINHORN, D.Sc., P.E., F.ASCE

### Norman Medal

The Norman Medal of the American Society of Civil Engineers was instituted and endowed in 1872 by George H. Norman, M.ASCE. With the assent and the approval of the donors, on June 1, 1897, the Society assumed responsibility for the payment in perpetuity of the Norman Medal.

- I. The Norman Medal recognizes a paper that makes a definitive contribution to engineering science. It may be presented annually to the author or authors of an original paper not previously contributed in whole or in part to any other association or otherwise appeared in print prior to its publication by the Society. Papers published in a print issue of an ASCE journal in the twelve-month period ending with June of the year preceding the year of award are eligible.
- II. Papers written jointly by Society members and nonmembers are eligible, provided at least half of the authors are ASCE members.
- III. Nominations may be submitted by anyone and must be sent directly to the Honors and Awards Program office by October 1. The Honors and Awards Program office will transmit nominations to the appropriate ASCE Organizational Entity for review.
  - a. Nominations sent to the Honors and Awards Program office by October 1 will be transmitted to the appropriate ASCE Organizational Entity.
  - b. Each ASCE Organizational Entity may recommend for review up to two candidate papers for consideration by the Paper Review Committee.
  - c. Only those candidate nominations received by the Honors and Awards Program office from the ASCE Organizational Entity by January 15 will be considered by the Paper Review Committee.
  - d. The nominated papers are reviewed by the Paper Review Committee which shall recommend the recipient(s) to the Society Awards Committee which shall request approval from the Executive Committee of the Board of Direction. The Paper Review Committee shall be composed of two representatives of TAC and one representative of each Institute. Its chair shall be the senior TAC member. Committee members shall serve three-year staggered terms.
- IV. The paper considered second in merit to the Norman shall be deemed the winner of the J. James R. Croes Medal. Papers not selected for either award shall be ineligible for re-nomination.
- V. The lead author shall receive the medal. All other authors shall receive a certificate.

Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

- 2007 NING LU, Ph.D., M.ASCE and WILLIAM J. LIKOS, Ph.D., M.ASCE  
 2008 AMIT M. KANVINDE, Ph.D., A.M.ASCE and GREGORY G. DEIERLEIN, P.E., F.ASCE  
 2009 STEVEN L. KRAMER, Ph.D., P.E., M.ASCE and ROY T. MAYFIELD, Ph.D., P.E., M.ASCE  
 2010 TOMMASO MORAMARCO, M.ASCE; CLAUDIA PANDOLFO; and VIJAY P. SINGH, Ph.D., D.SC., D.WRE, F.ASCE  
 2011 SHADI S. NAJJAR, Ph.D., A.M.ASCE and ROBERT B. GILBERT, P.E., D.GE, M.ASCE

### Charles Pankow Award for Innovation

The Charles Pankow Award for Innovation was established by the Civil Engineering Research Foundation (CERF) in 1996. Named for industry visionary Charles J. Pankow, the award recognizes the contributions of organizations working collaboratively to advance the design and construction industry by introducing innovation into practice, in a sustainable manner. It was instituted as a Society award December 17, 2008.

One award may be presented annually to recognize an outstanding, collaborative innovation in design, materials, or construction-related research and development. Not more than one award may be given in any one year.

- I. Nominations must meet the following criteria:
  - a. Innovative Technologies—must demonstrate innovative design, materials, or construction-related research transferred into practice.

- b. Collaborative Research and Implementation—must demonstrate that collaboration was involved during any part of the cycle from development to application.
  - c. Impact on Construction Industry Performance—must demonstrate innovative approaches that have a positive impact on society by striving to achieve one or more National Construction Technology Goals.
- II. The award is not restricted to members of the Society. Current ASCE staff is not eligible for nomination. No innovation may receive the award more than once.
  - III. The award committee shall be composed of five members, including representatives from the two previous award winning innovations, one representative appointed by the Charles Pankow Foundation, and two representatives appointed by the ASCE Industry Leaders Council. Members shall serve staggered two-year terms. The committee shall be chaired by the Charles Pankow Foundation representative. The Editor-in-Chief of Civil Engineering magazine shall serve as the non-voting Secretary.
  - IV. The committee shall submit its recommendation to the Executive Committee of the ASCE Board of Direction for approval.
  - V. The submission deadline is October 1.
  - VI. Nominees not selected in a given year will be held over for consideration through the next cycle. At the end of the second cycle, nominees not selected will no longer be eligible for consideration, except in the instance where nominations are resubmitted, to be considered for another two cycle period.
  - VII. The award shall consist of a crystal trophy.

#### Entry Format

All entries should include the following:

A cover letter signed by the nominator

An Official Award Nomination form with attachments as specified

Entry fee in the amount of \$75 per entry, payable to ASCE

Nominations are due June 1.

Awards have been made as follows:

- 2007 FIGG ENGINEERING GROUP FOR CABLE-STAYED BRIDGE CRADLE SYSTEM
- 2008 COMPOSITE SUPPORT & SOLUTIONS, INC. FOR LIGHTWEIGHT MODULAR COMPOSITE FIREWALL SYSTEM
- 2009 CLAREMONT TUNNEL SEISMIC UPGRADE PROJECT
- 2010 ECO SOUND BARRIER
- 2011 BRIDGE-IN-A-BACKPACK

### John I. Parcel–Leif J. Sverdrup Civil Engineering Management Award

To encourage effective leadership and management skills in the civil engineering profession, this award was endowed by the associates of John I. Parcel and Leif J. Sverdrup, Honorary Members, ASCE. The award was officially instituted by action of the Board of Direction in September 1976.

- I. The award may be made annually to a member of the American Society of Civil Engineers who has made a definite contribution in the field of civil engineering management, evidencing high character and professional integrity and regional or national professional reputation. This contribution may have been made either in the form of written presentations or notable performance.
- II. Not more than one presentation of the award is made each year unless the achievement upon which the award is based is considered to be the contribution of more than one person. In such cases, duplicate or multiple awards are tendered only if the balance then available in the award fund is adequate for the purpose. No one shall receive the award or a portion thereof more than once.
- III. The award committee shall be the Committee on Leadership and Management. Its recommendation accompanied by an appropriate citation, shall be reported to the Committee on Professional Practice (CPP) annually and shall be forwarded to the Executive Committee of the ASCE Board of Direction for final action.

- IV. Any ASCE member, including the award committee, may submit nominations, in writing, for this award.
- V. The award shall consist of a specially designed plaque and an honorarium that will be established annually by the Executive Committee of the ASCE Board of Direction on the basis of a review of the annual income from the award fund. If the award is presented for a joint effort, the lead recipient shall receive the plaque and honorarium. All other recipients shall receive only a certificate.
- VI. Members of CPP and the Committee on Leadership and Management shall not be eligible for this award.

To nominate for this award, follow the outline on Honors and Awards and include the Parcel-Sverdrup nomination form downloaded from the Web at <http://www.asce.org/awards>. Nominations should reach the ASCE Headquarters by March 1. Meritorious nominees not selected in a given year may be held over for consideration by the Committee on Leadership and Management for the next year. The names of these nominees will be conveyed to the Honors and Awards Program office.

Awards have been made as follows:

2007	DARRYL W. DAVIS, P.E., D.WRE, M.ASCE	2010	VICE ADMIRAL MICHAEL K. LOOSE, P.E., M.ASCE
2008	JOSEPH A. AHEARN, P.E., Dist.M.ASCE, NAC, Maj Gen (R)	2011	JAMES A. RISPOLI, P.E., BCEE, F.ASCE
2009	FRANK R. FINCH, P.E., M.ASCE		

### Ralph B. Peck Award

This award was established in 1999 by the Geo-Institute of the Society in honor of Ralph B. Peck, Dist.M.ASCE. Funds to support this award were donated by ASFE: Professional Firms Practicing in the Geosciences.

- I. The Ralph B. Peck Award is presented for outstanding contributions to the geotechnical engineering profession through the publication of a thoughtful, carefully researched case history or histories, or the publication of recommended practices or design methodologies based on the evaluation of case histories.
- II. The award will be given no more often than once a year either to a single author or to two or more collaborating authors for the publication of a case history or histories, or methodologies and recommended practices based on case histories, that provide valuable insights into geotechnical aspects of constructed facilities. The award may be given for a single paper or for two or more papers written by the same author(s). The published work must involve the evaluation of subsurface conditions pertaining to the performance of constructed works, with appropriate analysis, description of project design, and recommendations for improved future design and construction practices. The relevant paper or papers will be cited during the presentation of the award.
- III. Emphasis will be placed on a peer-reviewed paper or papers published in an appropriate journal and/or in conference proceedings within an approximate five-year period before the award decision.
- IV. The award recipient or recipients will be invited to deliver the Peck Lecture describing the lessons learned from the relevant case history or histories at a location chosen by the Board of Governors of the Geo-Institute. The lecture will be given no later than one year after its announcement.
- V. The award will be given without regard for Society membership or nationality.
- VI. The selection of the Award recipient will be made by the Board of Governors of the Geo-Institute of ASCE from a list of three nominees to be provided by the Awards Committee of the Geo-Institute of ASCE. Final approval shall be the responsibility of the ASCE Executive Committee. Nominations will be considered from any society with members engaged in the practice of geotechnical engineering.
- VII. The award consists of a gold-plated medal and a cash prize determined annually by, and subject to, the approval of the Executive Committee of the ASCE Board of Direction, based on the income from the award endowment. The lead author shall receive the medal and cash prize. All other authors shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by June 1. A listing of nominees' professional memberships and affiliations should be included with nominations for this award.

Awards have been made as follows:

2007	JEAN-LOUIS BRIAUD, Ph.D., P.E., F.ASCE	2010	IZZAT M. IDRIS, Ph.D., P.E., Dist. M.ASCE, NAE
2008	TIEN H. WU, Ph.D., P.E., Hon.M.ASCE	2011	ANTONIO BOBET, SC.D., P.E., M.ASCE
2009	EDWARD KAVAZANJIAN, JR., Ph.D., P.E., M.ASCE		

### Peurifoy Construction Research Award

To recognize individuals who have made outstanding contributions to the advancement of construction engineering through research and development of new technology, principles or practices, the friends, former students and associates of Dr. R. L. Peurifoy contributed funds, the annual income of which is to be used for the Peurifoy Construction Research Award. The award was officially instituted by action of the Board of Direction in 1984, upon recommendation of the Executive Committee of the Construction Research Council.

- I. The name of the award is the Peurifoy Construction Research Award.
- II. The award may be made to a member of ASCE or the Construction Institute, who has made an outstanding contribution to the advancement of construction engineering through research and development of new technology, principles or practices.
- III. Nominations will be considered by the Construction Institute's Awards Committee. Its recommendation will be made to the Construction Institute's Board of Directors and subsequently ratified by the Executive Committee of the ASCE Board of Direction.
- IV. Self-nominations will not be accepted.
- V. Nominees not selected in a given year will be held over for consideration through the next selection cycle. At the end of the second cycle, nominees not chosen will no longer be eligible for consideration, except that nominators who wish for their candidate to be considered for another two-cycle period must produce a new nomination package.
- VI. The award consists of a certificate and a cash prize determined annually by and subject to the approval of the Executive Committee of the Board of Direction based on the income from the award endowment.
- VII. The Award recipient may be invited to present a "Peurifoy Construction Advancement Address" at an appropriate meeting of the Society.
- VIII. Only one person shall receive the Award in any year, and an awardee may receive the honor only once.

To nominate for this award, follow the outline on Honors and Awards and include the Peurifoy nomination form downloaded from the Web at <http://www.asce.org/pressroom/honors>. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2007	JAMES E. DIEKMANN, Ph.D., M.ASCE	2010	JEFFREY S. RUSSELL, Ph.D., P.E., Dist.M.ASCE
2008	SIMAAAN M. AbouRIZK, Ph.D., P.Eng., M.ASCE	2011	JESUS M. DE LA GARZA, Ph.D., A.M.ASCE
2009	PHOTIOS G. IOANNOU, Ph.D., P.E., M.ASCE		

### Harold R. Peyton Award for Cold Regions Engineering

This award is a memorial to the outstanding professional accomplishments of Harold R. Peyton, F.ASCE, and to stimulate awareness and interest in the challenges of cold regions engineering. It was established by the Board of Direction in October 1988.

- I. The award is made to a member of the Society who has made outstanding contributions to cold regions engineering or to a basic understanding of cold environments, including dissemination of knowledge of cold climate technology through publishing innovative technical or research papers.
- II. The award will be made annually when, in the judgment of the Technical Council on Cold Regions Engineering, a suitable candidate is available.
- III. Recommendations may be made to the Committee on Awards of the Technical Council on Cold Regions Engineering by any member of the Society, or may originate in that Awards Committee.

- IV. At the discretion of the nominating bodies or individuals, the same person may be nominated in a subsequent year, if eligible under Criteria I and IV.
- V. Deceased persons are not eligible for nomination to the Award, although an award can be made posthumously to a nominee whose petition has reached the Awards Committee during their lifetime.
- VI. The Executive Committee of the Technical Council on Cold Regions Engineering will nominate a recipient of the Award for action by the Executive Committee of the ASCE Board of Direction.
- VII. The award consists of a plaque and cash prize determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment. It is presented at the International Cold Regions Engineering Specialty Conference, International Conference on Permafrost or ASCE Annual Conference.

To nominate for this award, follow the outline on Honors and Awards and include the Peyton nomination form downloaded from the Web at <http://www.asce.org/awards>. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2007	RICHARD L. BERG, Ph.D., P.E., M.ASCE	2010	LYNDA BARBER-WILTSE, P.E., M.ASCE
2008	EDWIN S. CLARKE, P.E., FASCE	2011	JAMES W. ROONEY, P.E., M.ASCE
2009	DUANE L. MILLER, P.E., M.ASCE		

### The Professional Practice Ethics and Leadership Award

The Society instituted the award in 2005 to promote and recognize civil engineering leadership in professional practice and ethics. The Foundation for Professional Practice, established by ASFE and ASCE, donated the funds. The ASCE Committee on Professional Practice administers the award through the Honors and Awards Program.

- I. The Society confers the award to honor a licensed professional engineer's accomplishments that preeminently promote superior engineering ethics and leadership.
- II. The Society shall bestow this award to recognize an engineer-leader for a specific accomplishment or for lifetime achievements that demonstrate superior ethics and leadership while the individual participated in professional practice or service to the public.
- III. The Society may bestow the award on one individual only, on an annual or less basis. The individual does not need be a member of ASCE or ASFE. Persons are ineligible for the award if they are not licensed professional engineers, or if they currently serve on, or have within five years of the nomination date, served on the ASCE Board of Direction or the ASFE Board of Directors.
- IV. The Award Committee shall consist of three members in good standing of ASCE and three members in good standing of ASFE. These members—all licensed professional engineers—shall be appointed by the respective organizations' president for staggered three-year terms. The Committee's chair shall be the representative in the third year of his or her term, and shall alternate annually between an ASCE and an ASFE representative. The Committee shall present information about the Award Committee's selection to the Executive Committee of the ASCE Board of Direction for final approval.
- V. The award shall be presented at a mutually agreeable date and place determined annually by the Award Committee.
- VI. The award shall consist of a certificate and honorarium, determined annually and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment.
- VII. No one shall receive the award more than once.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by June 1.

2007	LTG CARL A. STROCK, P.E., M.ASCE, U.S. ARMY (RET.)
2008	ROBERT L. NICHOLS, P.E., L.S., BCEE, F.ASCE
2009	BARRY K. THACKER, P.E., M.ASCE
2010	JOE D. MANOUS, Jr., Ph.D., P.E., D.WRE, F.ASCE
2011	JAMES H. SUTTLE, P.E., M.ASCE

### Raymond C. Reese Research Prize

To recognize outstanding contributions to the application of structural engineering research, Raymond C. Reese, Hon.M.ASCE, contributed funds to support a structural engineering research prize. The prize was established by the Board of Direction in April, 1970.

- I. The Raymond C. Reese Research Prize is to be awarded to the author or authors of a paper published in a print issue of an ASCE journal in the twelve-month period ending with June of the year preceding the year of the award that describes a notable achievement in research related to structural engineering and which indicates how the research can be used. The paper should include the results of research (experimental and/or analytical) and, in particular, should indicate and recommend how the research can be applied to design; it is this latter feature that is considered to be most important.
- II. Membership in the Society is not a requirement for consideration.
- III. The award may be presented annually.
- IV. No one shall be eligible to receive the Prize, or a portion of the Prize, more than once.
- V. The eligible papers will be reviewed by the Structural Engineering Institute which shall select the nominee or nominees for final approval by the ASCE Executive Committee.
- VI. The lead author shall receive a plaque. All other authors shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

- 2007 TOMONORI NAGAYAMA, Ph.D.; MASATO ABE, Ph.D.; YOZO FUJINO, Ph.D., M.ASCE; and KENJI IKEDA, Ph.D.
- 2008 EROL KALKAN, Ph.D., P.E., M.ASCE; SASHI K. KUNNATH, P.E., M.ASCE
- 2009 LARRY A. FAHNESTOCK, Ph.D., P.E., M.ASCE; RICHARD SAUSE, Ph.D., P.E., M.ASCE; and JAMES M. RICLES, Ph.D., P.E.
- 2010 DONALD W. WHITE, Ph.D., P.E., M.ASCE
- 2011 JONAH J. SHISHKIN, P.Eng., M.ASCE; ROBERT G. DRIVER, Ph.D., P.Eng., M.ASCE; and GILBERT Y. GRONDIN, Ph.D., P.Eng.

### Rickey Medal

This prize was established in 1947 by Mrs. Lucy M. Rickey in honor of her husband James W. Rickey, M.ASCE, a leader in hydroelectric engineering progress.

Funds were donated to provide for a suitable medal, with certificate, and to establish a permanent fund, the proceeds from which would supply the necessary yearly funds for this medal.

- I. The medal may be given annually to a Society member for achievement in the general field of hydroelectric engineering, including any of its branches. The contribution may have been made through outstanding performance or specific noteworthy actions that have served the field of hydroelectric engineering and may include a career of published papers.
- II. Not more than one award of the prize is made each year unless the achievements upon which the award is based are considered to be the joint contribution of more than one person. No one shall receive the honor more than once.
- III. Responsibility for recommending the winner, or winners, of the Rickey Medal is vested in the then current Executive Committee of the Energy Division, whose choice is subject to ratification by the Executive Committee of the ASCE Board of Direction.
- IV. The award comprises a gold-plated medal and a cash prize determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment. If the award is presented for a joint effort, the lead recipient shall receive the medal and cash prize. All other recipients shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

- 2007 J. YOULEN, P.E., M.ASCE

### Robert Ridgway Student Chapter Award

To promote excellence among the Student Chapters of the American Society of Civil Engineers, Isabel L. Ridgway endowed this award in honor of her husband, Robert Ridgway, Past President, ASCE. It was officially instituted by action of the Board of Direction in May 1965.

- I. The award is known as the Robert Ridgway Student Chapter Award.
- II. The award is made annually to the single most outstanding Student Chapter of the American Society of Civil Engineers.
- III. The Committee on Student Activities shall recommend to the ASCE Executive Committee the winner of the Award on the basis of the judging of the Certificates of Commendation that are presented each year.
- IV. The award shall consist of a suitable plaque of the memoir of Past President Ridgway.
- V. The award shall be presented to the Chapter at an appropriate meeting by a national officer of the Society.

Recent awards have been made to the following Student Chapters for the previous year's activities:

- 2007 UNITED STATES MILITARY ACADEMY  
 2008 ROSE-HULMAN INSTITUTE OF TECHNOLOGY CECIL T. LOBO ASCE STUDENT CHAPTER  
 2009 CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO ASCE STUDENT CHAPTER  
 2010 CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO ASCE STUDENT CHAPTER  
 2011 CALIFORNIA POLYTECHNIC STATE UNIVERSITY ASCE STUDENT CHAPTER

### Roebling Award

This award was established by the Construction Institute of the Society in memory of three outstanding constructors:

*John A. Roebling*—the visionary designer and builder of suspension bridges

*Washington Roebling*—John's son, who translated the visions into the "Brooklyn Bridge"

*Emily Roebling*—Washington's wife, who, in effect, became the field superintendent in support of her crippled husband's effort. The Roebling Award was instituted by the Board of Direction in April, 1987, and is funded by gifts from the Construction Industry.

- I. The Roebling Award recognizes and honors an individual who has made an outstanding contribution toward the advancement of Construction Engineering.
- II. Nominees shall be either ASCE or Construction Institute members.
- III. The Construction Institute may invite the recipient to deliver a "Roebling Lecture" at an appropriate meeting of the Society.
- IV. The award is presented annually, except that no award is made in a year in which a suitable candidate cannot be found.
- V. Self-nominations will not be accepted.
- VI. Nominees not selected in a given year will be held over for consideration through the next selection cycle. At the end of the second cycle, nominees not chosen will no longer be eligible for consideration except that nominators who wish for their candidate to be considered for another two-cycle period must produce a new nomination package.
- VII. A program, including a biographical sketch of the recipient, will be published for each lecture. A list of contributors will be published on the back cover.
- VIII. The award will consist of a certificate and a cash prize determined annually by and subject to the approval of the ASCE Executive Committee of the Board of Direction based on the income from the award endowment.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

- 2005 F. KEITH JACOBSON, P.E., M.ASCE      2009 EDWIN K. McNINCH, P.E., M.ASCE  
 2007 J. PATRICK POWERS, P.E., F.ASCE



### Hunter Rouse Hydraulic Engineering Award

This award and lectureship was endowed by the Water Resources Engineering Division (now the Environmental and Water Resources Institute) through personal contributions of engineers and engineering firms throughout the world in honor of Hunter Rouse, Hon.M.ASCE. It was instituted by the Board of Direction in October 1979.

- I. The award recognizes outstanding contributions to hydraulics and waterways.
- II. The award is given without regard to Society membership.
- III. The award is presented annually, except that no award is given in a year in which a suitable candidate cannot be found.
- IV. The Hydraulic and Waterways Council Awards Committee shall recommend a winner to the EWRI Awards Committee, which shall seek approval from the Governing Board of the Environmental and Water Resources Institute. The Governing Board of the Environmental and Water Resources Institute shall submit their recommendation to the Executive Committee of the ASCE Board of Direction for final approval.
- V. The winner may be invited to present a "Hunter Rouse Hydraulic Engineering Lecture" at an appropriate meeting of the Society. If presented, the Lecture will additionally be published in a journal overseen by EWRI.
- VI. The award consists of a certificate and a cash prize to be determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction, based on the income from the award endowment.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by October 1.

Awards have been made as follows:

2007	HUNG TAO SHEN, Ph.D., M.ASCE	2010	VLADIMIR NIKORA, Ph.D., A.M.ASCE
2008	M. HANIF CHAUDHRY, PH.D., P.E., F.ASCE	2011	DARREL M. TEMPLE, P.E., D.WRE, M.ASCE
2009	JOSEPH HUN-WEI LEE, Ph.D., F.ASCE		

### Thomas Fitch Rowland Prize

The Thomas Fitch Rowland Prize was instituted by the Society at the Annual Meeting of 1882. It was endowed in 1884 by Thomas Fitch Rowland, past Vice President and Hon.M.ASCE.

- I. Nomination for the Prize is open to authors, who are either Society or Construction Institute members. The Prize may be presented annually.
- II. In the award of this prize, preference is given to papers whose author or authors describe in detail accomplished works of construction or which are valuable contributions to construction management and construction engineering. Only papers published in a print issue of an ASCE journal in the twelve-month period ending with June of the year preceding the year of award are eligible.
- III. Nominations will be considered by the Construction Institute's Awards Committee. Its recommendation will be made to the Construction Institute's Board of Directors and subsequently ratified by the Executive Committee of the ASCE Board of Direction.
- IV. The lead author shall receive a wall plaque. All other authors shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2005	PAULO JORGE DE SOUSA CRUZ, M.ASCE, and J.M. LOPES CORDEIRO
2006	MARK R. SVINKIN, Ph.D., M.ASCE
2007	AMR A. KANDIL, Ph.D., M.ASCE and KHALED EL-RAYES, Ph.D., P.E., M.ASCE
2009	JOHN E. TAYLOR, Ph.D., A.M.ASCE
2011	GUNNAR LUCKO, Ph.D., A.M.ASCE and EDDY M. ROJAS, Ph.D., A.M.ASCE

### Robert H. Scanlan Medal

This medal was established by the Engineering Mechanics Institute to commemorate Professor Robert H. Scanlan's lifetime achievements in the field of engineering mechanics. The award consists of a medal and a certificate. This award is funded by The Johns Hopkins University.

It was instituted by the Board of Direction in 2002.

- I. The medal will be awarded to an individual in recognition of distinguished achievement in engineering mechanics based upon scholarly contributions to both theory and practice. The areas of achievement will generally be structural mechanics, wind engineering, and aerodynamics.
- II. The medal will ordinarily be granted for cumulative distinguished contributions in mechanics. In exceptional cases, it may be awarded for a single contribution of outstanding merit. The medal will be awarded every year at the discretion of the selection committee and will be limited to one individual. Final approval shall be the responsibility of the ASCE Executive Committee.
- III. The awards committee will consist of the Engineering Mechanics Institute (EMI) Advisory Board. It will be chaired by the chair of the EMI Advisory Board.
- IV. The medal will be given without regard for society membership or nationality.
- V. No individual shall receive the medal more than once.
- VI. Ten years after the establishment of the award, the Executive Committee of the EMI may review and propose modifications to the above criteria and rules.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

2007	MASARU MATSUMOTO, D.Eng., A.M.ASCE	2009	GIORGIO DIANA, Ph.D.
2008	NICHOLAS P. JONES, Ph.D., M.ASCE	2010	HAI-FAN XIANG, Ph.D.
		2011	YOZO FUJINO, Ph.D., M.ASCE

### H. Bolton Seed Medal

This award was established by the Geotechnical Engineering Division (now the Geo-Institute) of the Society in memory of Professor H. Bolton Seed, Hon.M.ASCE. It was officially instituted by action of the Board of Direction on October 23, 1993, and was funded by friends and colleagues of Professor Seed and the U.S. National Society Endowment Fund.

Professor Seed made many significant contributions to teaching, research and the practice of geotechnical engineering especially as related to geotechnical earthquake engineering and embankment dams. Dr. Seed, a member of the National Academy of Engineering, has been recognized with many awards, including ASCE's Norman Medal (twice), Croes Medal (three times), Middlebrooks Award (five times), the Terzaghi Award and the Terzaghi Lectureship. In 1985, he was the first recipient of the Nash Medal of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE). In addition to his numerous technical contributions, Professor Seed devoted considerable time and effort to the profession through the activities of the Geo-Institute of ASCE and through ISSMGE. He served as Permanent Secretary, U.S. National Society (USNS) of the ISSMGE for more than 10 years.

- I. The H. Bolton Seed Medal is awarded for outstanding contributions to teaching, research, and/or practice in geotechnical engineering.
- II. The medal ordinarily will be awarded for cumulative distinguished contributions to the designated subject area. In exceptional cases, it may be awarded for a single contribution of outstanding merit.
- III. The first medal and alternating medals thereafter will be awarded for contributions to geotechnical earthquake engineering. The intervening medals may be awarded for contributions in any area of geotechnical engineering.
- IV. The medal may be awarded every year, at the discretion of the selection committee. Not more than one award will be made in each selection year unless the achievement upon which the award is based is considered to be the contribution of more than one person.
- V. During the year following the announcement of the receipt of the Medal, the recipient will deliver the Seed Memorial Lecture on a topic of his/her choice within the designated subject area. The lecture will be presented at the Geo-Institute of ASCE Annual Congress.

- VI. Medal winners are strongly urged to prepare a permanent record of the lecture in the form of written manuscript and/or videotape. The written manuscript, not to exceed 15,000 word equivalents, will be submitted for publication in the *ASCE Journal of Geotechnical and Geoenvironmental Engineering*. A videotape should be produced in a format consistent with USNS specifications, and will be provided to the USNS by the GI for distribution. The videotape will be the property of ASCE.
- VII. Eligible candidates for the Medal must be members of ASCE, or of a member society of the International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE). (A listing of nominee's professional memberships and affiliations should be included with nominations for this award.) The recipient will be chosen without regard for nationality.
- VIII. The selection of the Medal recipient will be made by the Board of Governors of the Geo-Institute based on recommendations from the G-I Awards Committee. The International Secretary will invite member societies of the ISSMGE to submit nominations for consideration by the ASCE Awards Committee.
- IX. The award consists of a gold-plated medal and a cash prize determined annually by and subject to the approval of the Executive Committee of the Board of Direction based on the income from the award endowment. If the award is presented for a joint effort, the lead recipient shall receive the medal and cash prize. All other recipients shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by June 1.

Awards have been made as follows:

2006	ROBERT V. WHITMAN, Sc.D., P.E., F.ASCE	2010	KENNETH H. STOKOE II, Ph.D., P.E., M.ASCE
2008	J. MICHAEL DUNCAN, PH.D., P.E., DIST.M.ASCE	2011	NORBERT R. MORGENSTERN, Ph.D., P.Eng., M.ASCE

### Wilbur S. Smith Award

The Wilbur S. Smith Award was established by the former Highway Division (now T&DI) of the Society in recognition of the outstanding professional accomplishments of Wilbur S. Smith, Hon.M.ASCE. It was instituted by the Board of Direction in July 1984.

- I. The award is made to the person who, during the fiscal year preceding the year of the award, shall be judged worthy of special commendation for contributing to the enhancement of the role of the civil engineer in highway engineering. The contribution may be made in the form of a paper published by the Society or by the recipient's personal efforts and achievements toward that goal.
- II. The award is restricted to Fellows, Members and Associate Members of the Society.
- III. The Awards Committee of T&DI reviews nominations presented by the Honors and Awards program and recommends to the Board of Governors of T&DI the recipient, if any, for final action by the Executive Committee of the ASCE Board of Direction.
- IV. Nominees not selected in a given year may be held over for consideration by the Awards Committee of T&DI, with approval from the Board of Governors of T&DI. The names of these nominees will be conveyed to the Honors and Awards program office.
- V. The award consists of a plaque and an honorarium determined annually by and subject to approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2005	FRED L. MANNERING, Ph.D., A.M.ASCE	2010	ESSAM RADWAN, Ph.D., P.E., F.ASCE
2008	RANDY B. MACHEMEHL, Ph.D., P.E., L.S., M.ASCE	2011	TIMOTHY T. JACKSON, P.E., M.ASCE
2009	NICHOLAS J. GARBER, Ph.D., P.E., F.ASCE, NAE		

### J. C. Stevens Award

This prize was established and endowed in 1943 by John C. Stevens, Past President, ASCE.

- I. The prize is designated the J. C. Stevens Award.
- II. It may be given to the best discussion of a paper, the discussion having been published in a print issue of an ASCE journal overseen by EWRI. The discussion shall have been published during the twelve-month period ending with June of the year preceding the year of award.
- III. The paper and its discussion must be in the field of hydraulics (including fluid mechanics and hydrology).
- IV. Papers written jointly by ASCE or EWRI-only members and non-members are eligible, provided at least one of the authors is either an ASCE or EWRI-only member. No one is to receive the prize or any portion thereof more than once.
- V. In any year when the excellence of more than one discussion on a paper justifies it, the prize committee designates a "second order of merit." A discussion on a paper so recognized is considered eligible to compete for the award for the next year.
- VI. The Hydraulics and Waterways Council Awards Committee shall recommend a winner to the EWRI Awards Committee, which shall seek approval from the Governing Board of the Environmental and Water Resources Institute. If approved by the Governing Board of the Environmental and Water Resources Institute, the recommendation shall be presented to the Executive Committee of the ASCE Board of Direction for final approval.
- VII. Normally the prize consists of a certificate and books published by ASCE, costing not more than \$100, however the Governing Board of the Environmental and Water Resources Institute may authorize that limit to be exceeded if the income from the endowment is sufficient to justify it.
- VIII. The leading author shall receive the certificate and books, which they may select. All other authors shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by October 1.

Awards have been made as follows:

- 2005 YOUICHI YASUDA, D.Eng., M.ASCE; MASAYUKI TAKAHASHI, D.Eng.; and IWAO OHTSU, D.Eng.
- 2006 PEDRO MANSO, Ph.D., P.E.; VIRGILIO FIOROTTO, Ph.D.; ERIK BOLLAERT, Ph.D., M.ASCE; and ANTON SCHLEISS, Ph.D.
- 2007 CARLOS V. ALONSO, Ph.D., M.ASCE
- 2010 CRAIG JONES, A.M.ASCE and JOSEPH GAILANI, Ph.D.
- 2011 JAMES E. BALL, Ph.D., C.P. Eng., M.ASCE

### Surveying and Mapping Award

This award was established in October 1969 following the solicitation of funds from individual engineers and engineering firms.

- I. The award is known as the Surveying and Mapping Award.
- II. The award is made annually to the individual who has made a definite contribution during the year to the advancement of surveying and mapping either in teaching, writing, research, planning, design, construction, or management, these contributions being made in the form of papers or other written presentations, or in some instances through notable performance, long years of service, or specific actions which have served to advance surveying and mapping.
- III. Membership in the Society is not a requirement for consideration.
- IV. Not more than one award is made each year unless the achievement upon which the award is based is considered to be the contribution of more than one person, such as joint authorship of a paper.
- V. The Executive Committee of the Geomatics Division shall make a recommendation to the Executive Committee of the ASCE Board of Direction for selection of the winner of the Award. This recommendation shall be made on or before February 15 of each year. The Executive Committee may solicit nominations from its technical committees or from individual members of the Society for the Award.

VI. The award shall consist of a plaque. If the award is presented for a joint effort, the lead shall receive the plaque. All other recipients shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2005 ROGER R. CHAMARD, M.ASCE  
 2008 JOSIAH E. COLCORD, JR., P.E., L.S., F.ASCE  
 2010 EARL F. BURKHOLDER, P.S., P.E., F.ASCE  
 2011 DAVID A. WAHLSTROM, J.D., P.E., PLS, F.ASCE

### **Karl Terzaghi Award**

This award was established by the Soil Mechanics and Foundations Division (now the Geo-Institute) of the Society by the solicitation of gifts from the many friends and admirers of Karl Terzaghi, Hon.M.ASCE. It was instituted by the Board of Direction on October 10, 1960.

- I. The Karl Terzaghi Award will be given to an author of outstanding contributions to knowledge in the fields of soil mechanics, subsurface and earthwork engineering, and subsurface and earthwork construction. Contributions which have been published by the American Society of Civil Engineers shall be cited as the principal basis for the award, however in exceptional circumstances, and not more than once every eight years, contributions published elsewhere may be cited as a basis for the Award.
- II. The Award may be given in odd-numbered years without restrictions as to Society membership or nationality.
- III. Award recipients will be nominated for Board of Direction approval by the Geo-Institute Board of Governors.
- IV. The award will consist of a plaque and a cash prize determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by August 15.

Awards have been made as follows:

2005 FRED H. KULHAWY, Ph.D., P.E., G.E., Hon. M.ASCE  
 2007 CHANDRAKANT S. DESAI, Ph.D., P.E., F.ASCE  
 2009 RICHARD FINNO, Ph.D., P.E., M.ASCE

### **Royce J. Tipton Award**

To recognize contributions to the advancement of irrigation and drainage engineering, Royce J. Tipton, past Vice President and F.ASCE, contributed funds for the establishment of an award in this field of endeavor. It was officially instituted by action of the Board of Direction on October 19–20, 1964.

- I. The award is known as the Royce J. Tipton Award.
- II. The award is made to a member of the American Society of Civil Engineers or member of the Environmental and Water Resources Institute who has made a definitive contribution to the advancement of irrigation and drainage engineering management, these contributions being made either in the form of papers or other written presentations, or through notable performance, long years of service, or specific actions which have served to advance the science of irrigation and drainage engineering. Publications written by the nominee may be considered as part of the selection process.
- III. Not more than one award of the prize is made each year unless the achievement upon which the award is based is considered to be the contribution of more than one person. The recipient may be invited to present a lecture at an appropriate meeting of the Society. The lecture will be published in the Division's Irrigation and Drainage Engineering Journal.
- IV. Nominations for the award will be evaluated by the Irrigation and Drainage Council Awards Committee. The Awards Committee is composed of the following voting members of the Irrigation and Drainage Council: chair, vice-chair, past-chair, chairs of standing committees, news correspondent, and editor of the Journal of Irrigation and Drainage Engineering. The Committee

shall recommend a recipient to the Governing Board of the Environmental and Water Resources Institute. The Governing Board of the Environmental and Water Resources Institute shall submit their recommendation to the Executive Committee of the ASCE Board of Direction for approval.

- V. Nominees not selected in the initial year will be held over for consideration through the next two selection cycles. At the end of the third cycle, nominees not chosen will be removed from consideration, but will remain eligible for re-nomination by submission of a new nomination package.
- VI. The award consists of a plaque and cash prize determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment. If the award is made for a joint effort, the lead recipient shall receive the plaque and cash prize. All other recipients shall receive only a certificate.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by October 1.

Awards have been made as follows:

2007	WYNN R. WALKER, Ph.D., P.E., D.WRE, F.ASCE	2009	MARSHALL J. ENGLISH, Ph.D., P.E., M.ASCE
2008	WILLIAM R. JOHNSTON, P.E., F.ASCE	2010	WESLEY W. WALLENDER, Ph.D., P.E., M.ASCE
		2011	THOMAS L. SPOFFORD, P.E.

### Francis C. Turner Award

This award was established by the Transportation and Development Institute (formerly the Highway and Urban Transportation Divisions) of the Society by the solicitation of gifts from the many friends and admirers of Francis C. Turner, Hon.M.ASCE, former Chief Engineer of the Bureau of Public Roads, and retired Federal Highway Administrator. It was instituted by the Board of Direction in October 1988. Income from the award fund will be used to pay for honoraria, plaques, and administrative expenses incidental to the award.

- I. Society members of any grade or members of T&DI are eligible.
- II. The award is based on the nominee's contributions to the advancement of the knowledge and practice of transportation engineering.
- III. The Awards Committee of T&DI reviews nominations presented by the Honors and Awards program and recommends to the Board of Governors of T&DI the recipient, if any, for final action by the Executive Committee of the ASCE Board of Direction.
- IV. The award consists of a plaque and cash prize determined annually by and subject to the approval of the ASCE Executive Committee based on the income from the award endowment.
- V. The winner may be invited to deliver a "Francis C. Turner Lecture" at an appropriate meeting of the Society.
- VI. Nominees not selected in a given year may be held over for consideration by the Awards Committee of T&DI, with approval from the Board of Governors of T&DI. The names of these nominees will be conveyed to the Honors and Awards program office.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2007	ALAIN L. KORNHAUSER, Ph.D., M.ASCE
2011	KAM K. MOVASSAGHI, Ph.D., P.E., F.ASCE

### Theodore von Karman Medal

This award was established and endowed in 1960 by the Engineering Mechanics Division of the Society, with gifts presented by the many friends and admirers of Theodore von Karman, Hon.M.ASCE.

- I. The award is known as the Theodore von Karman Medal.
- II. The award recognizes distinguished achievement in engineering mechanics, applicable to any branch of civil engineering.
- III. Age, nationality, and Society membership shall not be a consideration in making the award.

- IV. The award is normally made every year on the basis of nominations submitted to the award committee no later than November 1. It may be omitted at the discretion of the award committee. Subject to restrictions imposed by Society policy, not more than one award may be made in any given year.
- V. Nominees not selected in a given year will be held over for consideration through the next selection cycle. At the end of the second cycle, nominees not chosen will no longer be eligible for consideration. Nominators who wish for their candidate to be considered for another two-cycle period must produce a new nomination package.
- VI. The award committee shall consist of the members of the Advisory Board of the Engineering Mechanics Institute whose duty shall be to recommend nominees for formal action by the ASCE Executive Committee.
- VII. The award consists of a bronze medal.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

2006	GEORGE J. DVORAK, Ph.D., F.ASCE	2009	THOMAS J.R. HUGHES, Ph.D., P.E., F.ASCE
2007	CHIANG C. MEL, Ph.D., M.ASCE, NAE		
2008	SIA NEMAT-NASSAR, Ph.D., M.ASCE, NAE	2010	JAN D. ACHENBACH, Ph.D.

### Arthur M. Wellington Prize

This prize was instituted in 1921 by the Board of Direction in response to a proposal by the Engineering News-Record, which endowed the award in honor of Arthur M. Wellington, former editor of Engineering News and author of a well-known and widely respected treatise on railway location, "The Economic Theory of Railway Location."

- I. The prize may be awarded annually for papers on transportation on land, on the water, in the air, or on foundations and closely-related subjects, not including contributions in the form of reports and manuals.
- II. Papers published in a print issue of an ASCE journal in the twelve-month period ending with June of the year preceding the year of award are eligible.
- III. The award is not restricted to members of the Society.
- IV. Nominations may be submitted by anyone and must be sent directly to the Honors and Awards Program office by October 1. The Honors and Awards Program office will transmit nominations to the appropriate ASCE Organizational Entity for review.
  - a. Nominations sent to the Honors and Awards Program office by October 1 will be transmitted to the appropriate ASCE Organizational Entity.
  - b. Each ASCE Organizational Entity may recommend for review up to two candidate papers for consideration by the Paper Review Committee.
  - c. Only those candidate nominations received by the Honors and Awards Program office from the ASCE Organizational Entity by January 15 will be considered by the Paper Review Committee.
  - d. The nominated papers are reviewed by the Paper Review Committee which shall recommend the recipient(s) to the Society Awards Committee which shall request approval from the Executive Committee of the Board of Direction. The Paper Review Committee shall be composed of two representatives of TAC and one representative of each Institute. Its chair shall be the senior TAC member. Committee members shall serve three-year staggered terms.
- V. The lead author shall receive a plaque. All other authors shall receive only a certificate.

Nominations should reach the ASCE Headquarters by October 1.

Awards have been made as follows:

2006	SHERIF EL-TAWIL, Ph.D., P.E., M.ASCE; EDWARD SEVERINO, A.M.ASCE; and PRISCILLA FONSECA, S.M.ASCE
2008	GUILLAUME DELEFORTRIE; MARC VANTORRE; ELLADA VERZHBIIRSKAYA; KRISTIEN SEYNAEVE



- 2009 M. EMIN KUTAY, Ph.D., M.ASCE and AHMET H. AYDILEK, Ph.D., M.ASCE  
 2010 SARAH M. L. HUBBARD, Ph.D., P.E., M.ASCE; DARCY M. BULLOCK, Ph.D., P.E.,  
 M.ASCE; and FRED L. MANNERING, Ph.D., M.ASCE  
 2011 ZONGZHI LI, Ph.D., A.M.ASCE and SUNIL K. MADANU

### George Winter Award

The award is named for Dr. George Winter, world renowned teacher and researcher at Cornell University, who died in 1982. The George Winter Award is intended as a recognition of the achievements of an active structural engineering researcher, educator or practitioner who best typifies the late Dr. George Winter's humanistic approach to his profession: i.e., an equal concern for matters technical and social, for art as well as science, for soul as well as intellect. The Award was officially instituted by action of the ASCE Board of Direction in April 1990.

- I. The award may be made annually to any individual without regard to Society membership. The recipient shall be first and foremost a structural engineer, one who has consistently worked at advancing the state-of-the-art of the profession through the practical application of design and/or research studies.
- II. Secondly, the individual must have demonstrated a commitment to the social or artistic needs of the community through work performed in an area not directly related to engineering or science.
- III. No one shall be eligible to receive the Award, or a portion of the Award, more than once.
- IV. The Awards Committee of the Structural Engineering Institute shall recommend the recipient, if any, to the Executive Committee of the ASCE Board of Direction for final action.
- V. The award consists of a bronze medal bearing the likeness of George Winter and an honorarium that will be established by the Executive Committee of the Board of Direction based on a review of annual income generated from the award endowment. It will be presented at the Annual Structures Congress Awards Luncheon, however the Award need not be given every year if a suitable candidate cannot be identified.

To nominate for this award, follow the outline on Honors and Awards. Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

- |      |  |      |  |
|------|--|------|--|
| 2005 | ASHRAF HABIBULLAH, S.E.,<br>M.ASCE         | 2007 | KEITH D. HJELMSTAD, Ph.D.,<br>M.ASCE     |
| 2006 | DUANE S. ELLIFRITT, Ph.D., P.E.,<br>M.ASCE | 2008 | THOMAS A. SABOL, Ph.D., P.E.             |
|      |  | 2011 | MICHEL BRUNEAU, Ph.D., P.Eng.,<br>F.ASCE |

### William H. Wisely American Civil Engineer Award

This award is a memorial of William H. Wisely, Honorary Member, ASCE, who for nearly two decades prudently guided the activities of the American Society of Civil Engineers as its chief staff officer. The award was officially instituted by the Board of Direction on May 14-16, 1983. The award consists of a suitably inscribed plaque, a certificate identifying the recipient(s) and the accomplishments meriting the award, and an honorarium to be determined annually by the Executive Committee of the ASCE Board of Direction.

- I. The award may be presented annually to recognize not more than three individuals who have exhibited continuing efforts to better the history, tradition, developments and technical and professional activities of the Society. The recipient or recipients shall be members of ASCE.
- II. The Executive Committee shall recommend for approval by the Board of Direction a winner or winners.
- III. The award consists of a trophy and an honorarium to be determined annually by the Executive Committee of the ASCE Board of Direction.

Nominations should reach the ASCE Headquarters by November 1.

Awards have been made as follows:

- |      |                                   |      |   |
|------|-----------------------------------|------|---|
| 2007 | THOMAS A. LENOX, Ph.D.,<br>M.ASCE | 2008 | CATHERINE A. LESLIE, P.E.,<br>M.AND AND STUART G. WALES,<br>PH.D., P.E., D.WRE, DIST.M.ASCE |
|------|-----------------------------------|------|---|

- |      |  |      |   |
|------|--|------|---|
| 2009 | TERENCE E. RICHARDSON, P.E.,<br>M.ASCE   | 2011 | RANDALL S. OVER, P.E., F.ASCE;<br>GARLAND P. ROSE, P.E., D.WRE,<br>F.ASCE; and THOMAS W. SMITH III,<br>M.ASCE |
| 2010 | THOMAS M. RACHFORD, Ph.D.,<br>P.E., F.ASCE and JAMES L.<br>WITHIAM, Ph.D., P.E., D.GE,<br>M.ASCE |      |   |

### Younger Member Group Award

The purpose of the award is to promote excellence among the Younger Member Groups of the American Society of Civil Engineers. Younger Member Groups are defined as Associate Member Forums (AMF), Younger Member Forums (YMF), Younger Member Committees (YMC), etc. which operate at the Section and Branch level. It does not include younger member councils. The Younger Member Group Award was officially instituted by action of the Society on July 9, 1985.

- I. The award is known as the Younger Member Group Award. It may be made annually to the most outstanding large and small Younger Member Groups of the American Society of Civil Engineers. One or more Certificates of Commendation may also be awarded to deserving groups.
- II. The Committee on Younger Members shall recommend to the ASCE Executive Committee the winners of the award and those groups receiving Certificates of Commendation that are presented each year.
- III. The evaluation process involves scoring of nomination documents submitted by Younger Member Groups. The nomination documents will list professional, technical, social, and special activities sponsored by the Younger Member Group for the preceding fiscal year (October to September). The specific criteria and format for evaluating all nominations are established by the CYM. The recommendations, if any, shall be presented to the Executive Committee of the ASCE Board of Direction for approval.
- IV. The award shall consist of a certificate and a cash prize determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment. The large and small group winners shall share in the cash prize.
- V. The award shall be presented to the Younger Member Group at an appropriate meeting by a national officer of the Society.

CYM should be forwarded each application by March 1 for judging at its spring meeting.

To nominate for this award, follow the instructions on the Younger Member Group nomination form downloaded from the Web at <http://www.asce.org/awards>. Nomination packages must be submitted through the Section or Branch Secretary on CD to Honors and Awards Program at the ASCE Headquarters, 1801 Alexander Bell Drive, Reston, VA 20191-4382, postmarked by February 1.

Awards have been made as follows:

- |      |   |
|------|---|
| 2007 | ORANGE COUNTY BRANCH ( <i>Large Group</i> ), HAWAII SECTION ( <i>Small Group</i> )  |
| 2008 | SEATTLE YOUNGER MEMBER FORUM ( <i>Large Group</i> ), HAWAII SECTION YOUNGER MEMBER FORUM ( <i>Small Group</i> )   |
| 2009 | PHOENIX BRANCH YOUNGER MEMBER FORUM ( <i>Large Group</i> ), WEST VIRGINIA SECTION ( <i>Small Group</i> )  |
| 2010 | FLORIDA SECTION EAST CENTRAL BRANCH YOUNGER MEMBER FORUM ( <i>Large Group</i> ), WISCONSIN SECTION SOUTHEAST BRANCH YOUNGER MEMBER GROUP ( <i>Small Group</i> ) |
| 2011 | PHOENIX BRANCH YOUNGER MEMBER FORUM ( <i>Large Group</i> ), WISCONSIN SECTION SOUTHEAST BRANCH YOUNGER MEMBER GROUP ( <i>Small Group</i> )                      |

## LECTURES

### Karl Terzaghi Lecture

This lectureship was established by the Soil Mechanics and Foundations Division (now the Geo-Institute) of the Society by the solicitation of gifts from the many friends and admirers of Karl Terzaghi, Hon.M.ASCE. It was instituted by the Board of Direction on October 10, 1960.

- I. At about yearly intervals and upon recommendation of the Geo-Institute Board of Governors, the Executive Director will invite a distinguished engineer to deliver a "Terzaghi Lecture" at an appropriate meeting of the Society. The lecturer shall be tendered a certificate and a cash prize determined annually by and subject to the approval of the Executive Committee of the Board of Direction based on the income from the award endowment.
- II. Membership in the Society is not a requirement for consideration.

Terzaghi Lectures have been presented as follows:

- 2007 GEORGE G. GOBLE, Ph.D., P.E., M.ASCE
- 2008 JEAN-PIERRE GIROUD, PH.D., M.ASCE
- 2009 Clyde N. Baker, Jr., P.E., Hon.M.ASCE
- 2010 ROBERT D. HOLTZ, Ph.D., P.E., Dist.M.ASCE
- 2011 KENNETH H. STOKOE II, PH.D., P.E., M.ASCE

## SPECIAL SOCIETY RECOGNITIONS

### The Alfred Noble Prize

This prize was established in 1929 and consists of an award from the income of a fund contributed by engineers and others in honor of Alfred Noble, Past President of the American Society of Civil Engineers and of the Western Society of Engineers, for the purpose of perpetuating his name and achievements. The American Society of Civil Engineers is designated as trustee of the fund.

- I. The award is made to a member of any grade of the American Society of Civil Engineers; American Institute of Mining, Metallurgical, and Petroleum Engineers, Inc.; The American Society of Mechanical Engineers; The Institute of Electrical and Electronics Engineers; or the Western Society of Engineers.
- II. The award is given for a technical paper of exceptional merit accepted by the Committee on Publications, or a committee of like standing, for publication in any of their technical publications, provided the author has not passed his/her 35th birthday at the time the paper is submitted to the society in practically its final form.
- III. Papers prepared by not more than two authors are eligible for consideration.
- IV. If a paper has been written by two authors, the lead author must be 35 years of age or younger.
- V. Selected papers are forwarded by the respective societies to an intersociety committee on the Alfred Noble Prize. Each paper, so forwarded, shall be accompanied by a brief synopsis of its purposes and a concise statement of its conclusions.
- VI. Each society may nominate more than one paper.
- VII. An individual technical paper by a member of one of the foregoing societies published as an appendix to a report of a committee of the society is considered as eligible.
- VIII. Papers in a symposium are judged as separate papers and are eligible.
- IX. This prize consists of a certificate and honorarium determined annually by and subject to the approval of the Executive Committee of the ASCE Board of Direction based on the income from the award endowment. In the case of a paper written jointly by authors 35 years of age or younger, both shall share the honorarium. In the case of a paper written jointly by authors 35 years of age or younger and older authors, the older author will receive only a certificate.
- X. The recipient of the Prize is selected by a committee of five, consisting of a representative of each society. The ASCE representative shall serve as Committee chair.
- XI. The award is based on papers published in the twelve-month period ending with June of the year preceding the year of award. The papers must be submitted to the joint intersociety committee not later than May 1 and they must be presented in full, even if printed in abstract.
- XII. If in any year no paper deemed worthy of award is available, the award is not made. If two papers of unusual merit are recognized in any year, one may be carried over, fully qualified to compete in the next annual competition.

XIII. The award is made publicly at a general meeting of the society of which the recipient is a member. It is desirable that the recipient be present to receive the award. The time and place of the meeting is designated by said society.

Nominations should reach the ASCE Headquarters by May 1.

Awards have been made as follows:

2007	L. DINWIDDIE, Ph.D.	2010	KIMBERLY LEWANDOWSKI, Ph.D., and S. KOMAR KAWATRA
2008	STEVEN R. MEER, P.E., A.M.ASCE; CRAIG H. BENSON, Ph.D., P.E., M.ASCE	2011	ZHENHUA ZHU, P.E., S.M.ASCE and IONNIS BRILAKIS, Ph.D., M.ASCE
2009	GHIM PING ONG, Ph.D., A.M.ASCE and TIEN F. FWA, Ph.D., P.E., M.ASCE		

### Outstanding Projects and Leaders (OPAL)

Established in 1999, these prestigious awards recognize and honor outstanding civil engineering leaders whose lifetime accomplishments and achievements have made significant differences in one of five categories: (1) *design* (to recognize and honor a civil engineer for innovation and excellence in civil engineering design), (2) *construction* (to recognize and honor a civil engineer for innovation and excellence in construction of civil engineering projects and/or programs), (3) *government* (to recognize and honor a civil engineer for demonstrated leadership of public sector projects and/or programs), (4) *education* (to recognize and honor a civil engineer who has demonstrated excellence in furthering civil engineering education), and (5) *management* (to recognize and honor a civil engineer who has demonstrated exceptional management skills in his/her professional career).

Each Outstanding Projects and Leaders (OPAL) recipient will receive a trophy exclusively designed for the American Society of Civil Engineers.

- I. The awards are given to model civil engineers who have demonstrated outstanding lifetime achievement, leadership, and a long-term commitment to excellence. The awards are not restricted to members of the Society.
- II. In that the election of ASCE Presidency is the highest office accorded, Past Presidents are not eligible for OPAL awards.
- III. As many as five awards (one for each category) are made annually. The awards will be bestowed based on the lifetime accomplishments and achievements of the recipients. A person can only receive one OPAL in their lifetime.
- IV. Names of candidates considered by the Society Awards Committee but not nominated for election will be reconsidered the following year. Individuals must be renominated after three years.

#### Nomination Process

Include cover letter signed by the nominator with an OPAL nomination form and a curriculum vitae. Letters of reference are desired, but not required. The entire application package should not exceed 12 pages. Submit twelve copies of each nomination to the ASCE Reston office postmarked no later than June 1.

#### Selection Process

The ASCE Society Awards Committee will review the nominations, which shall consist of an Official OPAL Nomination form; the nominator's cover letter, and the nominee's CV or biographical information. Letters of reference are desired, but not required. The entire package may not exceed 12 pages. The Society Awards Committee shall nominate one recipient in each of the five (5) categories for Executive Committee approval. Recipients will be notified in writing and requested to submit personal information, including a photograph, for publication purposes. Recipient must agree to attend awards ceremony.

- |      |   |
|------|---|
| 2000 | STEPHEN D. BECHTEL, JR., PH.D., DIST.M.ASCE, NAE, <i>Construction</i> ; T. Y. LIN, PH.D., HON.M.ASCE, <i>Design</i> ; EUGENE J. FASULLO, P.E., F.ASCE, <i>Government</i> ; ALBERT A. DORMAN, P.E., L.S., DIST.M.ASCE, NAE, <i>Management</i>  |
| 2001 | BEN C. GERWICK, JR., P.E., HON.M.ASCE, <i>Construction</i> ; ROBERT F. MAST, P.E., M.ASCE, <i>Design</i> ; RALPH B. PECK, PH.D., P.E., DIST.M.ASCE, <i>Education</i> ; JORGE MANUEL DENGO-OBREGON, <i>Government</i> ; JAMES L. LAMMIE, P.E., DIST.M.ASCE, NAE, <i>Management</i> ; |

- 2002 CHARLES J. PANKOW, M.ASCE, *Construction*; EUGENE C. FIGG, JR., P.E., F.ASCE, *Design*; THEODORE V. GALAMBOS, Ph.D., P.E., DIST.M.ASCE, NAE, *Education*; RALPH C. WEHNER, *Government*; LYNN S. BEEDLE, Ph.D., HON.M.ASCE, *Management*
- 2003 KENNETH E. STINSON, P.E., A.M.ASCE, *Construction*; LESLIE E. ROBERTSON, P.E., S.E., DIST.M.ASCE, NAE, *Design*; ERNEST F. GLOYNA, Ph.D., P.E., F.ASCE, *Education*; LTG (RET) ROBERT B. FLOWERS, M.ASCE, *Government*; ROBERT C. MARINI, P.E., DIST.M.ASCE, NAE, *Management*
- 2004 CHARLES E. MERGENTIME, P.E., F.ASCE, *Construction*; GEORGE J. TAMARO, JR., P.E., HON.M.ASCE, NAE, *Design*; G. WAYNE CLOUGH, Ph.D., P.E., DIST.M.ASCE, NAE, *Education*; JAMES A. WILDING, P.E., M.ASCE, *Government*; HARL P. ALDRICH, JR., Sc.D., P.E., DIST.M.ASCE, NAE, *Management*
- 2005 JACK K. LEMLEY, P.E., F.ASCE, *Construction*; LOUIS G. SILANO, P.E., F.ASCE, *Design*; C. MICHAEL WALTON, Ph.D., P.E., DIST.M.ASCE, NAE, *Education*; ADM (R) MICHAEL R. JOHNSON, P.E., F.ASCE, *Government*; RALPH R. PETERSON, P.E., M.ASCE, *Management*
- 2006 A. JAMES CLARK, Hon.M.ASCE, *Construction*; W. GENE CORLEY, Ph.D., P.E., DIST.M.ASCE, NAE, *Design*; JAMES K. MITCHELL, Sc.D., P.E., DIST.M.ASCE, NAE, *Education*; LTG (Retired) HENRY J. HATCH, P.E., DIST.M.ASCE, NAE, *Government*; ALAN L. BOECKMANN, *Management*
- 2007 THOMAS R. DRAEGER, P.E., F.ASCE, *Construction*; LORING A. WYLLIE, JR., S.E., DIST.M.ASCE, *Design*; JOHN W. FISHER, Ph.D., P.E., DIST.M.ASCE, *Education*; JOHN W. KEYS III, P.E., D.WRE, F.ASCE, *Government*; FREDRIC S. BERGER, P.E., M.ASCE, *Management*
- 2008 WILLIAM H. LUYTIES III, P.E., M.ASCE, *Construction*; CLYDE N. BAKER, Jr., P.E., Hon.M.ASCE, NAE, *Design*; ERNEST T. SMERDON, Ph.D., P.E., Dist.M.ASCE, NAE, *Education*; GERALD E. GALLOWAY, JR., Ph.D., P.E., Hon.D.WRE, Dist.M.ASCE, NAE, *Government*; JOHN M. DIONISIO, P.E., F.ASCE, *Management*
- 2009 JOHN F. DONOHOE, M.ASCE, *Construction*; JEREMY ISENBERG, Ph.D., P.E., HON.M.ASCE, NAE, *Design*; J. MICHAEL DUNCAN, Ph.D., P.E., Dist.M.ASCE, NAE, *Education*; DAVID J. NASH, P.E., RADM, CEC, U.S. NAVY (RET.), F.ASCE, *Government*; THOMAS D. FURMAN, JR., P.E., BCEE, M.ASCE, *Management*
- 2010 TERENCE E. RICHARDSON, P.E., M.ASCE, *Construction*; MAN-CHUNG TANG, Dr.Eng., P.E., Hon.M.ASCE, NAE, *Design*; DAVID E. DANIEL, Ph.D., P.E., Dist.M.ASCE, NAE, *Education*; JOHN W. MORRIS II, LTG (Ret.), P.E., F.ASCE, NAE, *Government*; and ROBERT D. NICHOL, P.E., F.ASCE, *Management*
- 2011 KRIS R. NIELSEN, Ph.D., J.D., M.ASCE, *Construction*; WILLIAM F. BAKER, P.E., F.ASCE, *Design*; COL STEPHEN J. RESSLER, Ph.D., P.E., Dist.M.ASCE, *Education*; JOSEPH A. (BUD) AHEARN, P.E., Dist.M.ASCE, NAC, Maj.Gen. USAir Force (Ret), *Government*; GREGS THOMOPULOS, P.E., F.ASCE, *Management*

## Outstanding Civil Engineering Achievement

### General Information

ASCE annually recognizes an exemplary civil engineering project as the Outstanding Civil Engineering Achievement. Established in 1960, this prestigious award honors the project that best illustrates superior civil engineering skills and represents a significant contribution to civil engineering progress and society. Honoring an overall project rather than an individual, the award recognizes the contributions of many engineers.

The Outstanding Civil Engineering Achievement is awarded an OPAL award at the annual OPAL awards ceremony. All of the OCEA finalists chosen by the OCEA jury receive merit award trophies at the OPAL awards ceremony. *ASCE News* announces the OCEA finalists and later issues include coverage of the OPAL awards ceremony and announces the winner of the Outstanding Civil Engineering Achievement Award. ASCE also promotes the projects through press releases to the civil engineering trade press and the general media.

Entries may be submitted by the individual firms or agencies involved in the projects and must meet the eligibility and entry requirements. Region, Section or Branch project of the year winners are expected to be entered by Region, Section or Branch presidents. In order to be considered by the jury entries must meet the eligibility and entry requirements.

The submission deadline is June 1.

The OCEA award program is coordinated through the Honors and Awards program. Entry kits are available online at [www.asce.org/awards](http://www.asce.org/awards) or via e-mail to [awardsl@asce.org](mailto:awardsl@asce.org).

### **Eligibility**

Any civil engineering or construction project is eligible. There are no restrictions as to locale—a project may be national or international—but it must meet at least one of the requirements listed below.

1. Bridges, tunnels, waterways, railways, roads (other than toll): eligible only when carrying traffic; the time of final completion or dedication is not important.
2. Toll or similar regional roads: any portion in use is eligible. The entire road is eligible when it is 75-percent operational.
3. Water supply, flood control dams: eligible when ready to take the full design head of water.
4. Power dams: eligible when the major civil engineering construction is completed and the structure can take its design head of water.
5. Fuel power plants: eligible when power goes online.
6. Buildings and structures: eligible when ready for use.
7. Airports and other similar large developments: eligible when initial phase is 75-percent operational. Individual structures or features (such as major buildings or runways) are eligible when operational, but will be considered separately from the entire project.
8. Water supply, water treatment, and waste disposal: the entire project is eligible when it is 50-percent operational in its initial phase. Any completed component is eligible, but will be considered separately from the entire project.
9. Port, coastal, ocean, and wetlands projects and offshore structures: eligible when complete.
10. Military projects (such as bases, launching units, and harbor facilities) eligible for their engineering aspects.

Eligibility of projects not categorized above will be determined by the jury. If a project wins an OCEA award, it or any of its components may not be renominated in a later year.

### **Judging Criteria**

The jury will consider entries on the basis of the following general criteria.

#### Originality and Innovation

- New or Innovative Application of Technology, Design, Materials, Process/Methods and Construction

#### Resourcefulness in Planning and Solving Design Challenges

- Complexity of the Problem or Situation Addressed
- Creativity in Solutions

#### Sustainability Considerations

- Environmental
- Social
- Economic

#### Project Planning and Delivery

- Financing, Budget and Schedule
- Meeting the Client's Needs Particularly Related to Budget and Schedule Adherence
- Contributions to the Well-being of People and Communities, Including Aesthetic Value

### **Entry Format**

All entries should include the following in this order:

Completed entry form

Brief description of project, not to exceed 250 words

At least six color photographs of project. (More photos/slides are encouraged. ASCE may use photos for publicity purposes.)

Summary describing how project meets judging criteria, not to exceed 1,000 words

Attachments such as articles from local papers or trade journals, if available

Include only data and charts that are needed to understand the technical aspects or innovations of the project. Videos will not be accepted.

Submit one unbound original and twelve copies of the entry by June 1. Entries will not be returned, and become the property of ASCE.

#### **Preparation Guidelines**

Entries must address each criteria and should identify unusual aspects of the project. Describe key challenges and solutions and new technology used. Consider all phases of the project, including the plan, design, construction, operation, and maintenance. The project's environmental, political, economic, social, and legal aspects may also be significant.

Present most technical information in lay terms. OCEA jury members have diverse backgrounds in civil engineering. The engineers and design professionals on the jury may have expertise in structures, for example, but not in environmental engineering. Entries will also be read by general media reporters who cover such civil engineering issues as transportation or the environment but who may not have engineering backgrounds.

#### **Judging and Notification Procedures**

Entries are judged by a volunteer jury approved by the Board of Direction. The jury shall be composed of the past president; one additional member of the Society Awards Committee, who shall chair the jury and who shall be recommended by the chair of the Society Awards Committee; two members recommended by the Technical Region Board of Governors; and three members recommended by the Committee on Communications to represent the press. The editor in chief of Civil Engineering will serve as the nonvoting secretary of the jury. The jury shall recommend a list of finalists and the OCEA recipient to the Executive Committee for approval. The Executive Committee shall approve the recommendations of the jury or, in the case of extraordinary circumstances, the Executive Committee shall refer the recommendations back to the jury for further deliberation.

The Honors and Awards program office will forward all entries received by the competition deadline to members of the OCEA jury.

Following the Executive Committee's approval of the jury's selection of finalists, the secretary of the jury will notify the finalists. The jury's selection of the Outstanding Civil Engineering Achievement is not disclosed until the OPAL awards dinner in April. The project is designated a "finalist" as are the projects selected as merit winners.

All finalists will be asked to provide materials for production of a short video of their project, segments of which will be shown during the OPAL dinner.

#### **Award Presentation**

In addition to the OPAL trophy, the national OCEA award consists of a permanently displayed bronze plaque supplied by ASCE. The plaque is presented to the owner of the project in a ceremony coordinated by the local ASCE Region, Section or Branch in which the project is located. The Region, Section or Branch should coordinate the ceremony with the OCEA Coordinator in ASCE's Communications Department. The Region, Section or Branch should invite the ASCE President and other ASCE leaders as appropriate. Additional bronze plaques may be ordered through the ASCE Communications Department. These plaques will be invoiced to the individual(s) ordering the plaques.

Recent OCEA award recipients are as follows:

2007 GOLDEN GATE BRIDGE SEISMIC RETROFIT PHASE II SOUTH APPROACH  
STRUCTURES PROJECT  
*Awards of Merit*  
DALLAS/FORT WORTH INTERNATIONAL AIRPORT CAPITAL DEVELOPMENT  
PROGRAM  
PENOBSCOT NARROWS BRIDGE AND OBSERVATORY  
*Special Award for Nation Building*



- REHABILITATION OF ECONOMIC FACILITIES AND SERVICES PROGRAM IN AFGHANISTAN
- 2008 WOODROW WILSON BRIDGE PROJECT  
*Awards of Merit*  
TACOMA NARROWS BRIDGE  
PASADENA CITY HALL SEISMIC UPGRADE AND REHABILITATION PROJECT  
MISSION VALLEY LIGHT-RAIL TRANSIT PROJECT  
ARSENIC CRISIS IN THE INDIAN SUBCONTINENT: SUSTAINABLE ENGINEERING SOLUTION, WEST BENGAL, INDIA
- 2009 GROUNDWATER REPLENISHMENT SYSTEM  
*Contenders*  
BUNDLE 401, OREGON 38: ELK CREEK-HARDSCRABBLE CREEK BRIDGE DELIVERY PROGRAM  
I-35W BRIDGE  
LAKE BRAZOS LABYRINTH WEIR  
MOTAGUA BRIDGE  
H. CLAY WHALEY, SR. MEMORIAL WATER PLANT
- 2010 SUTONG BRIDGE  
*Awards of Merit*  
ARROWHEAD TUNNELS PROJECTS INLAND FEEDER PROGRAM  
CONCORDIA UNIVERSITY WISCONSIN LAKESHORE ENVIRONMENTAL ENHANCEMENT AND EDUCATION PROJECT  
SOUND TRANSIT CENTRAL LINK LIGHT RAIL: SECTION 710 BEACON HILL STATION AND TUNNELS  
UTAH STATE CAPITOL SEISMIC BASE ISOLATION AND RESTORATION
- 2011 RIVERBANK FILTRATION AND TUNNEL AND PUMP STATION  
*Awards of Merit*  
COWBOYS STADIUM  
INCHEON BRIDGE PROJECT  
TAUM SAUK UPPER RESERVOIR REBUILD PROJECT  
WASHINGTON DULLES INTERNATIONAL AIRPORT MAIN TERMINAL APM STATION

### Historic Civil Engineering Landmark Program

In 1966 the Board of Direction authorized designation of the first ASCE National Historic Civil Engineering Landmark. To indicate the international scope of this award, the name was changed to Historic Civil Engineering Landmark in 2006. In this continuing program, any Society organizational entity or related engineering organization may propose an internationally or nationally significant civil engineering project to the ASCE History and Heritage Committee which then may recommend to the Board of Direction that the project be named by the Society as a Historic Civil Engineering Landmark. A bronze plaque denoting the designation is supplied for a presentation event.

Detailed information on this national program, which includes suggestions for Section area designation of projects that are of local, but not national historical importance, is available from ASCE headquarters.

Landmark designations have been made as follows:

(A complete listing of landmarks designated since 1966 is available at [www.asce.org](http://www.asce.org))

- 2007 CALEDONIAN CANAL (Scotland), International Historic Civil Engineering Landmark  
CRAIGELLACHIE BRIDGE (Moray, Scotland), International Historic Civil Engineering Landmark
- 2008 CHOATE BRIDGE (Ipswich, Massachusetts)  
GOLDFIELDS WATER SUPPLY (Western Australia), International Historic Civil Engineering Landmark  
LACEY V. MURROW BRIDGE AND MOUNT BAKER RIDGE TUNNELS (Kings County, Washington)  
WOODHEAD DAM, TABLE TOP (South Africa), International Historic Civil Engineering Landmark

- 2009 GUAYABO CEREMONIAL CENTER (Costa Rica), International Historic Civil Engineering Landmark  
 MANHATTAN BRIDGE (New York, New York), National Historic Civil Engineering Landmark  
 POUGHKEEPSIE-HIGHLAND BRIDGE (Poughkeepsie, New York), National Historic Civil Engineering Landmark  
 QUEENSBORO BRIDGE (New York, New York), National Historic Civil Engineering Landmark  
 VANCOUVER'S MAPPING OF THE WEST COAST OF NORTH AMERICA (Mexico – United States – Canada), International Historic Civil Engineering Landmark  
 WILLIAMSBURG BRIDGE (New York, New York), National Historic Civil Engineering Landmark
- 2010 MACKINAC BRIDGE (Mackinac County, Michigan), National Historic Civil Engineering Landmark  
 RENSSELAER POLYTECHNIC INSTITUTE (Troy, New York), National Civil Engineering Landmark
- 2011 FLIGHT OF FIVE LOCKS, NEW YORK STATE BARGE CANAL (New York), National Historic Civil Engineering Landmark  
 HUEY P. LONG BRIDGE (Jefferson, Louisiana), National Historic Civil Engineering Landmark  
 TACOMA BRIDGES, 1940 and 1950 (Tacoma, Washington), National Historic Civil Engineering Landmark  
 UTICA MEMORIAL AUDITORIUM (Utica, New York), National Historic Civil Engineering Landmark

### Honorary Fellow

To recognize and honor individuals who have demonstrated achievement and contributed noteworthy services in any field of endeavor, who have adhered to high standards of conduct, and whose efforts have benefited their communities, the nation and humanity, the Board of Direction in October 1986 approved establishment of the title of Honorary Fellow, ASCE.

1. This recognition is conferred by the Executive Committee of the Board of Direction.
2. Those so honored will receive a suitably inscribed certificate which may be presented at national meetings of the Society, at meetings of Sections or Branches, at other ASCE conferences or other appropriate gatherings.
3. The title of Honorary Fellow does not constitute membership in the Society.

Selected Early Fellows:

JOE BARTON, P.E.  
 RILEY P. BECHTEL  
 JAMES L. OBERSTAR  
 CHRISTOPHER S. "KIT" BOND  
 THOMAS E. PETRI

2007

THOMAS R. CARPER  
 JOHN J. DUNCAN, JR.  
 DENNIS MOORE  
 BILL NELSON  
 GEORGE V. VOINOVICH

2008

EARL BLUMENAUER  
 JAMES H. TURNER, JR

2009

MAX BAUCUS

2010

MICHAEL BLOOMBERG  
 EDWARD RENDELL  
 ARNOLD SCHWARZENEGGER

2011

STEVEN LaTOURETTE

## AWARDS PROVIDED BY ORGANIZATIONAL ENTITIES

Organizational Entities of the Society may, from time to time, establish awards that they will administer and manage separately from the national ASCE Honors and Awards Program.

### Wallace Hayward Baker Award

The Wallace Hayward Baker Award was established in the year 2000 by the Geo-Institute in recognition of the creative and innovative contributions of Wallace Hayward Baker in the field of ground modification.

- I. The award will be given in recognition of ingenious innovation in the field of ground modification. Emphasis shall be placed on the resourceful development of a new technology or the creative application of existing technology to achieve field performance not previously demonstrated.
- II. Justification for the award shall be a major advancement or a career of inventive contributions to the field. Although desirable, the specific basis for the award does not have to be presented in a lecture.
- III. The award will normally be given to a single individual and is not restricted to members of the Geo-Institute; in special situations it may be given to a group of individuals.
- IV. Not more than one award will be made each year, and no award shall be given if a qualified candidate is not clearly identified.
- V. The award consists of a plaque and certificate, suitably inscribed with the name of the recipient, year of the award, and brief citation describing the basis for the award. (Note: We will explore the possibility that the award may be some replica of our profession, such as a drill bit, etc.)
- VI. The recipient of the award must be recommended by the Awards Committee and approved by the Geo-Institute Board of Governors.
- VII. A nomination must include biographical data for the nominee and a clear description of the basis for the award, including a 20-word-or-less ending to the statement, "The Wallace Hayward Baker Award is given to \_\_\_ in recognition of (20 words or less)."
- VIII. The recipient or the nominator shall prepare a manuscript describing the basis for the award to be published in "*GeoStrata*" within twelve months following receipt of the award.

One copy of each nomination must reach the Geo-Institute office in Reston, Virginia by August 15 for consideration of an award for the following year. The nomination must include a brief description of the projects, the innovative approaches utilized, and the results achieved.

Awards have been made as follows:

2004	DONALD A. BRUCE, Ph.D.	2007	REUBEN H. KAROL, P.E., M.ASCE
2005	JOSEPH P. WELSH, P.E.	2008	GEORGE A. MUNFAKH, Ph.D., M.ASCE
2006	NATHANIEL S. FOX, Ph.D., P.E., M.ASCE.		

### Citizen Engineer Award

The ASCE Citizen Engineer Award is awarded to civil engineers based on their contributions to their community through public involvement, public awareness, or public service. These individuals will have contributed significant personal energy to enhance the recognition of civil engineering as a respected profession through their involvement and will have improved the image of ASCE and civil engineering in their community.

- I. The nominee must be a member in good standing of ASCE.
- II. Nominations may be made by a Section or Branch, an International Section or Group, a Committee or Group of a Section or Branch, a Student Chapter or Club, a standing ASCE committee, an individual ASCE member, or a community organization. A recommendation letter signed by the nominator should be included in the nomination package. The nominee cannot be a nominator.
- III. A maximum of three references will be accepted, including that of the nominator.
- IV. The selections for these awards—up to four total—will be made by the ASCE Committee on Volunteer Community Service (CVCS), prior to the Multi-Region Leadership Conferences.
- V. Active voting members of CVCS shall not be eligible for the award. Corresponding Members of CVCS are eligible.

- VI. An endorsement must be provided by an ASCE member in good standing (only required if the nominator is not an ASCE member.)
- VII. Nominees are not required to have achievements in all categories shown on the nomination form in order to be considered for the award.
- VIII. The recipients of the award will be presented plaques at the Multi-Region Leadership Conference that includes the recipient's region.
- IX. Recipients will only receive this award once in their lifetime.
- VI. One copy of the award nomination form and supporting material must be received at ASCE Headquarters no later than October 1 of the year of the award. Nominations should be sent to the attention of the Committee on Professional Practice's Committee on Volunteer Community Service staff contact. The nomination form and specific staff contact information can be found at <http://www.asce.org/awards>.

### Government Civil Engineer of the Year Award

This award was established by the Government Engineers Division to recognize distinguished civil engineers employed in public service for significant engineering contributions as a practitioner in public service.

- I. The award may be given annually to an engineer of recognized standing, who must be an ASCE member in good standing, and preferably a licensed professional engineer.
- II. Qualifications of the award nominees will be judged on the following: sustained outstanding civil engineering performance in the public sector; evidence of high character and professional integrity; civic and humanitarian activities (community service); minimum of fifteen years of public service as a civil engineer; five of the fifteen years at the senior administrative level; and employed in the U.S. public sector at the time of application submittal.
- III. The award consists of a suitably inscribed certificate.
- IV. Nominations for ASCE Government Civil Engineer of the Year Award must be received at ASCE International Headquarters, to the attention of the Committee on Professional Practice (CPP) staff contact, no later than March 1 and should contain a nominating statement of 200 words or less giving biographical information, citations of merit, and accomplishments which deserve consideration of the Award.
- V. Recipients of the award are selected by the Committee on Leadership and Management for final action by the Committee on Professional Practice.
- VI. Members of CPP and the Committee on Leadership and Management shall not be eligible for this award.
- VII. Completed nomination forms must be received at ASCE Headquarters by March 1 of the award year. The nomination form and specific staff contact information can be found at <http://www.asce.org/awards>.

Awards have been made as follows:

2007	LARRY J. SMITH, P.E., F.ASCE	2010	JANE MCKEE SMITH, Ph.D., P.E., D.CE, M.ASCE
2008	E. WILLIAM EAST, Ph.D., P.E., M.ASCE	2011	JAMES C. RAY, Ph.D, P.E., M.ASCE
2009	THOMAS R. KENDALL, P.E., M.ASCE		

### Young Government Civil Engineer of the Year Award

This award was established by the Government Engineers Division to recognize distinguished civil engineers employed in public service for demonstrated leadership potential in Public Service Engineering.

- I. The award may be given annually to an engineer of recognized leadership potential, and who must be an ASCE Affiliate Member, Associate Member, or Member in good standing.
- II. Qualifications of the award nominees will be judged on the following: excellent performance that has demonstrated leadership potential in public sector civil engineering; evidence of high character and professional integrity; civic and humanitarian activities (community service); 35 years of age or less on February 1 in the year of the award; minimum of five (5) years full-time public sector

- employment; presently employed in the U.S. public sector. Engineering Intern (E.I.), Engineer-In-Training (E.I.T.), or Professional Engineer (P.E.) certification is required of all candidates.
- III. A National winner may be selected each year. Up to 4 recipients of Certificates of Commendation may be selected each year. The Committee reserves the right not to select any winners.
  - IV. The award consists of a suitably inscribed certificate.
  - V. Nominations for the ASCE Young Government Civil Engineer of the Year Award should contain biographical information, citations of merit, and accomplishments which deserve consideration of the award.
  - VI. Recipients of the Award are selected by the Committee on Younger Members (CYM).
  - VII. Active voting members of CYM shall not be eligible for this award. Corresponding Members of CYM are eligible.

To nominate, submit the following as a single PDF on CD (one CD per nomination):

- A cover letter, signed by the nominator
- An application checklist
- An Official Award Nomination form
- A Young Government Civil Engineer of the Year Award application form, endorsed by the Section or Branch President
- Two or three letters of endorsement

Nomination packages must be postmarked by February 1 and submitted to: ASCE Geographic Services Department, Attn: Mr. Daryl Morais, 1801 Alexander Bell Drive, Reston, VA 20191-4382.

Awards have been made as follows:

2007	STACIE KANESHIRO, P.E., M.ASCE	2009	PAULETTE B.L. UJIMORI, P.E., M.ASCE
2008	FLORENCE CHING, P.E., M.ASCE and MAJOR RICHARD GASH, P.E., A.M.ASCE	2010	MAJ ADAM M. CHALMERS, PE, M.ASCE
		2011	HOWARD LUBLINER, P.E., M.ASCE

### Public Service Award

The ASCE Public Service Award is awarded to organized components within ASCE based on their contributions to their community through public service. These groups will have contributed significant energy to enhance the recognition of civil engineering as a respected profession through their involvement and will have improved the image of ASCE and civil engineering in their community.

- I. Each nominee must be a Section or Branch of ASCE, an International Section or Group, a committee or group of a Section or Branch, or a Student Chapter or Club.
- II. Nominations may be made by a Section or Branch, an International Section or Group, a committee or group of a Section or Branch, a Student Chapter or Club, a standing ASCE committee, an individual ASCE member, or a community organization.
- III. The selections for these awards—up to three groups in or outside of the United States—will be made by the ASCE Committee on Volunteer Community Service (CVCS), prior to the Multi-Region Leadership Conferences.
- IV. Documentation of the group's contributions to its community through public service or civic involvement and the positive impact it has had on the community may accompany the nomination form, however is not required. The accompanying materials may include newspaper articles, photographs, videotapes, and other forms of media coverage about the program or activity.
- V. Plaques signifying the awards will be presented at the Multi-Region Leadership Conferences and each will be accompanied by a cash prize of \$100 to be used by the group for future public service efforts.
- VI. Winners of these awards will automatically be nominated for the Paul A. Parisi National Public Service Award. The Paul A. Parisi National Public Service Award is selected by the CVCS to recognize the best project or program in the award year for reaching out to the community in a way that benefits the public and that enhances the image of the civil engineering profession.

- VII. Only include information about activities and achievements from within the award year, which spans from October of the prior calendar year to September of the calendar year matching the award year.
- VIII. Endorsement by a Section or Branch Officer (as applicable) is required. (If proper endorsement is not given, the nomination will be disqualified).
- IX. Groups are not required to have achievements in all categories in order to be considered for this award.
- X. One copy of the completed award nomination form and supporting material must be received at ASCE headquarters no later than October 1st of the year of the award. Nominations should be sent to the attention of the Committee on Professional Practice's Committee on Volunteer Community Service staff contact. The nomination form and specific staff contact information can be found at <http://www.asce.org/awards>.

### **Outstanding Service Project Award**

The ASCE Outstanding Service Project is awarded to organized components within ASCE based on their contributions to their community through a single outstanding service project.

- I. Each nominee must be a Section or Branch of ASCE, an International Section or Group, a committee or group of a Section or Branch, or a Student Chapter or Club.
- II. Nominations may be made by a Section or Branch, an International Section or Group, a committee or group of a Section or Branch, a Student Chapter or Club, a standing ASCE committee, an individual ASCE member, or a community organization.
- III. The selection for this award will be made by the ASCE Committee on Volunteer Community Service (CVCS), prior to the Multi-Region Leadership Conferences. A plaque signifying the award will be presented at a Multi-Region Leadership Conference and will be accompanied by a cash prize of \$100 to be used by the group for future public service efforts.
- IV. Only include information about a project from within the award year, which spans from October of the prior calendar year to September of the calendar year matching the award year.
- V. Documentation of the group's contributions to its community through public service or civic involvement and the positive impact it has had on the community may accompany the nomination form, however is not required. The accompanying materials may include newspaper articles, photographs, videotapes, and other forms of media coverage about the program or activity.
- VI. Contact member information and Section or Branch (as applicable) endorsement are required. (If information or proper endorsement is not given, the nomination will be disqualified). Nominations must be endorsed by a Section or Branch Officer.
- VII. The winner of this award will be eligible for the Paul A. Parisi National Public Service Award. The Paul A. Parisi National Public Service Award is selected by the CVCS to recognize the best project or program in the award year for reaching out to the community in a way that benefits the public and that enhances the image of the civil engineering profession.
- VIII. One copy of the completed award nomination form and supporting material must be received at ASCE headquarters no later than October 1st of the year of the award. Nominations should be sent to the attention of the Committee on Professional Practice's Committee on Volunteer Community Service staff contact. The nomination form and specific staff contact information can be found at <http://www.asce.org/awards>.

### **Robert Horonjeff Award**

To recognize and honor a person, persons, organization or organizations for outstanding achievements in, and contributions to, the advancement of the field of air transportation engineering, the Robert Horonjeff Award was established by the former Air Transport Division of the Society.

- I. The award carries the name of Robert Horonjeff (1913–1976) because his career and his achievements exemplify so well the objectives of the Transportation and Development Institute (T&DI). Robert Horonjeff was a leader in the development of the field of air transportation engineering. As an educator, he taught countless professionals who have taken leading roles in aviation. As a researcher, he contributed significantly to the field and was particularly effective in molding many of today's airport design and engineering methods. Horonjeff was a very active member of

ASCE having served as chair of the Air Transport Division, of Management Group C, and of numerous technical and administrative committees.

- II. The award may be given annually to a person or persons who during the period preceding the award become worthy of special commendation for contributions to the field of air transport engineering, and the enhancement of the Society's activities in that field.
- III. The award is limited to members of the Society of any grade of membership.
- IV. The award consists of a plaque and a certificate suitably inscribed to describe the name of the recipient and the circumstances of the award. Funding is provided in the budget of the event when a presentation is to be made.
- V. The recipient of the award is selected by the Board of Governors of T&DI upon recommendation of the T&DI Awards Committee.

Nominations should be submitted to ASCE Headquarters by November 1.

Awards have been made as follows:

2006	WILLIAM H. LEDER, P.E.	2009	BARRY J. DEMPSEY, Ph.D., P.E., M.ASCE
2007	EDWARD L. GERVAIS, P.E., F.ASCE		
2008	WILLIAM J. SPROULE, Ph.D., P.E., F.ASCE		

### Award of Excellence of the Pipeline Division

The American Society of Civil Engineers Pipeline Division Award of Excellence was established to recognize continuous and conspicuous service to the Profession, ASCE, and the Pipeline Division.

- I. The award, established in 1988 by the Pipeline Division, is given to a Fellow, Member, or Associate Member of ASCE who is adjudged by the Executive Committee of the Pipeline Division to have given outstanding continuous and conspicuous service to the Profession, ASCE, and the Pipeline Division.
- II. The award is given no more frequently than annually by vote of the Pipeline Executive Committee upon nominees submitted by standing committees of the Pipeline Division.
- III. Each standing committee of the Pipeline Division is entitled to submit to the Pipeline Executive Committee for consideration no more than one nominee each year. Nominees previously submitted by a particular standing committee remain in nomination until a new nominee is submitted by the same committee.
- IV. New nominees are submitted by March 1 of each year for consideration by the Executive Committee in the spring of each year. The Past Chair of the Pipeline Executive Committee is responsible for presenting continuing and new nominees to the Executive Committee for its consideration and retaining appropriate records on nominees and awardees.
- V. The award shall consist of an appropriately inscribed wall plaque. The award is bestowed at a time and location specified by the Pipeline Executive Committee, with preference being given to conferences sponsored by the Pipeline Division in the year of the award.
- VI. Funding for the award and its presentation is provided as part of the annual budget of the Pipeline Division.

Awards have been made as follows:

2006	WILLIAM J. MONCRIEF, P.E., M.ASCE	2008	AHMAD HABIBIAN, Ph.D., P.E., M.ASCE
2007	TOM ISELEY, PH.D., P.E., M.ASCE	2009	MICHAEL T. STIFT, P.E., M.ASCE
		2010	JOHN HAIR, P.E., M.ASCE

### Award for Service to People

To help bring public recognition to individuals who have performed outstanding service to the people in their communities, and to further public understanding and recognition civil engineering as a people-serving profession, the Board of Direction in 1980 established this national award to assist ASCE Sections, Branches and student chapters with their recognition programs.

- I. The governing board of each Section, Branch or Student Chapter may select one recipient each year.
- II. The recipient may be an ASCE member, though it is not required.
- III. The recipient may not receive any other Section, Branch or Student Chapter awards that year.



- IV. While awardees are selected for their service to the general public, that service should have some connection with the planning, design or construction of the people-serving works of the civil engineering profession.
- V. The award shall consist of a certificate with the following citation: "Awarded in recognition of service to people" [Name of Person selected]. "Presented in acknowledgment and appreciation of your outstanding service to advance the welfare of the people in our community." "Awarded by the American Society of Civil Engineers." [Date] The certificate shall be signed by the ASCE National President and the President of the Section, Branch or Student Chapter.
- VI. The inscribed certificate will be supplied by ASCE at no cost.
- VII. Certificate requests should be sent to the ASCE Communications Department and must include the name of the selected recipient and background information supporting their selection. Additionally, a plan and date for the presentation of the award, including a publicity plan must be included in the request.

Awards have been made as follows:

2005 JIM RODDEY

### **Harry Schnabel Jr. Award for Career Excellence in Earth Retaining Structures**

The Harry Schnabel Jr. Award was established by the Geo-Institute in 2006. This is a memorial award to recognize Harry Schnabel's accomplishments in the field of Earth Retaining Structures over a 50 year career and to encourage continued excellence and innovation by those making a career in the earth retaining structures industry. The award is funded by an endowment from Schnabel Foundation Company.

- I. The Award will consist of a plaque and suitably inscribed certificate with a cash prize determined by the income from the endowment.
- II. The award will be given to an academic, a constructor/contractor, and a practicing engineer or geologist on a rotating three-year basis, in the order stated above.
- III. Recipients must have a demonstrated commitment to service, excellence and innovation in the earth retaining structures and have at least 20 years experience. This includes but is not limited to excavation support, permanent walls, and underpinning. Evidence of this commitment includes: an appropriate undergraduate degree with increasing responsibility in academia, construction or consulting, support of the profession by serving on committees, professional registrations, membership in the Geo-Institute or other related professional organizations. Demonstration of excellence and innovation in the field will include inventions and patents, published papers, articles or books, introduction of improvements to the industry, attainment of acknowledged leadership positions within the industry. Innovations incorporated into the practice are to be preferred to theoretical or suggested improvements that have not been implemented.
- IV. The practicing engineer (or geologist) designation includes engineers in private practice, in government or in military service.
- V. The Award will be made no more than annually and to only one person. No one may receive the Award more than once every 20 years. Should a qualified nomination not be made, the award shall not be given that year; and the award shall rotate to the next industry area. Nationality and Geo-Institute membership is not a consideration.
- VI. The Award will be presented at the Annual Meeting of the Geo-Institute. It is desirable that the recipient's career be observed at the meeting and appearing in an appropriate G-I publication.
- VII. A nomination must include a curriculum vitae for the nominee and a clear description of the basis for the award, including a 20-words-or-less ending to the statement, "The Harry Schnabel Jr. Award is given to \_\_\_\_\_ in recognition of (20 words or less)." The nomination shall be no longer than ten pages.
- VIII. The recipient must be approved by the Geo-Institute Board of Governors. One copy of the nomination, accompanied by the appropriate supporting statements (i.e. letters of recommendation), shall reach G-I headquarters by August 15.

Previous Winners:

2007 Edward J. Cording, Ph.D.  
2008 David Weatherby

2009 Edward Ulrich  
2010 Richard Finno, Ph.D.

### Richard R. Torrens Award

Richard R. Torrens served ASCE for 17 years in the Publications Department at Headquarters and was Manager of Professional and Technical Publications at his untimely death in 1984. The high quality of ASCE's Journals is in no small measure a result of his dedication and his support of the volunteer Journal editors. As a reflection of his distinguished service, the Richard R. Torrens Award will honor volunteer Journal editors who make outstanding contributions to the ASCE publications program. The award will be made by the ASCE Board Committee on Publications to a Journal editor whose contributions are considered outstanding. No more than one award shall be made in a single year, and it shall not be required that an award be made every year.

The award shall be funded out of the operating budget of the ASCE Board Committee on Publications.

The award shall consist of an appropriate certificate.

Awards have been made as follows:

2006	KENNETH L. CARPER, M.ASCE	2009	DAENE MCKINNEY, Ph.D., P.E., D. WRE and VIJAY SINGH, Ph.D., D.Sc., P.E., P.H., D.WRE
2007	VIJAY G. PANCHANG, Ph.D., P.E., M.ASCE	2010	WILLIAM RITTER, Ph.D., P.E.
2008	SASHI KUNNATH, Ph.D., P.E., and FIRDAUS UDWADIA, Ph.D.	2011	CHARLES JAHREN, Ph.D., P.E., M.ASCE

### Student Organization Awards

Each year the most outstanding Student Organizations are awarded Distinguished Chapter Awards (formerly known as Vice Presidents Awards). These awards are presented by the Educational Activities Committee.

In addition, a limited number of ASCE Student Organizations may be awarded Certificates of Commendation based on the quality of their general performance. The certificates are awarded by the President of the Society upon recommendation by the Educational Activities Committee. Competition is keen, and the evaluation process involves scoring annual reports of activity submitted by the Student Organizations. The scoring formula, which is made available to accompany report forms, also serves as a recommended set of goals or guidelines. More frequent meetings, field trips, attendance at conferences, presentations of papers, and the undertaking of special projects are encouraged. While scores remain confidential, a Student Organization can grade itself in the statistical portion and estimate the subjective rating of the value of their special projects. The number of Student Organizations to receive Certificates of Commendation shall not exceed five percent of the total number of Student Organizations.

Those Student Organizations that miss receiving Certificates of Commendation, but still report outstanding activity may receive a Letter of Honorable Mention from the current President of the Society.

ASCE publicizes these three lists, and makes Certificates of Outstanding Performance available to Sections for the Advisory Personnel to these winning Student Organizations. The most recent recipients were:

#### **2011 Robert Ridgway Award Winner**

California Polytechnic State University, San Luis Obispo

#### **2011 Robert Ridgway Award Finalists**

Brigham Young University  
The Citadel  
University of Florida  
Rose-Hulman Institute of Technology

South Dakota State University  
University of Texas at Tyler  
Vanderbilt University

#### **2011 Distinguished Chapter Awards**

Region 1: Northeastern University  
Region 3: Bradley University  
Region 4: The Citadel  
Region 5: University of Florida

Region 6: University of Texas at Tyler  
Region 7: South Dakota State University  
Region 8: Brigham Young University  
Region 9: University of California, San Diego

#### **2011 Certificates of Commendation**

University of Akron  
University of Alaska Anchorage  
University of Arizona

Arizona State University  
University of California, Los Angeles  
Colorado School of Mines

University of Evansville  
 Fairmont State University  
 University of Nevada, Las Vegas  
 Ohio Northern University

**2011 Letters of Honorable Mention**

California State University, Chico  
 University of California, Berkeley  
 Case Western Reserve University  
 University of Central Florida  
 Kansas State University  
 Milwaukee School of Engineering

**2011 Most Improved Award**

Howard University

**2011 Letters of Significant Improvement**

University of Evansville  
 Illinois Institute of Technology  
 Johns Hopkins University

**2011 Richard J. Scranton Outstanding Community Service Award**

The Citadel

**2011 Letters of Recognition for Service**

California Polytechnic State University, San  
 Luis Obispo (Scranton Award Finalist)

**2011 Outstanding Faculty Advisor Awards**

Region 1: William P. Manion, P.E., M.ASCE  
 (University of Maine)  
 Region 2: Joseph P. Martin, Ph.D., P.E.,  
 M.ASCE (Drexel University)  
 Region 3: Jerome P. Lynch, Ph.D., M.ASCE  
 (University of Michigan)  
 Region 4: Tia M. Como, M.ASCE (Fairmont  
 State University)

**2011 Faculty Advisor Certificates of Commendation**

M. Brett Borup, Ph.D., P.E., M.ASCE  
 (Brigham Young University)  
 Stephen F. Csernak, P.E., M.ASCE (Clemson  
 University)  
 Xila Liu, P.E., M.ASCE (Tsinghua University)  
 Carol L. Morman, P.E., M.ASCE (Cincinnati  
 State Technical & Community College)  
 Husam Najm, Ph.D., P.E., M.ASCE (Rutgers  
 University)  
 Bob L. Parsons, M.ASCE (University of  
 Kansas)  
 John R. Schuring, P.E., M.ASCE (New Jersey  
 Institute of Technology)

**2011 Outstanding Practitioner Advisor Awards**

Region 5: Rafiq I. Chowdhury, S.M.ASCE  
 (University of Central Florida)  
 Region 8: Kelly A. Lyttle, A.M.ASCE  
 (University of Nevada, Reno)

**2011 Practitioner Advisor Certificates of Commendation**

Bill Flores, P.E., M.ASCE (California Baptist  
 University)

Oregon State University  
 Rose-Hulman Institute of Technology  
 United States Air Force Academy  
 Vanderbilt University

Minnesota State University, Mankato  
 University of Minnesota, Twin Cities  
 University of Missouri, Columbia  
 San Jose State University  
 Texas Tech University  
 West Virginia University

University of Maryland College Park  
 University of Nevada, Las Vegas  
 University of the Pacific

Rose-Hulman Institute of Technology  
 (Scranton Award Finalist)

Region 6: Michael J. McGinnis, Ph.D., P.E.,  
 M.ASCE (University of Texas at Tyler)  
 Region 7: Candace S. Sulzbach, P.E., M.ASCE  
 (Colorado School of Mines)  
 Region 8: Thomas H. Miller, P.E., M.ASCE  
 (Oregon State University)  
 Region 9: Gregg L. Fiegel, Ph.D., P.E.,  
 M.ASCE (California Polytechnic State  
 University, San Luis Obispo)

Jery R. Stedinger, Ph.D., M.ASCE (Cornell  
 University)  
 Jerry E. Stephens, P.E., M.ASCE (Montana  
 State University)  
 Lori A. Troxel, P.E., M.ASCE (Vanderbilt  
 University)  
 Mark L. Valenzuela, P.E., M.ASCE (University  
 of Evansville)  
 James C. Williams, Ph.D., P.E., F.ASCE  
 (University of Texas at Arlington)  
 Thomas R. Zechman, P.E., M.ASCE (Ohio  
 Northern University)

Region 9: Greg R. Young, P.E., M.ASCE  
 (University of California Davis)

David J. Karnowski, P.E., M.ASCE (Kansas  
 State University)

## FELLOWSHIPS, SCHOLARSHIPS, GRANTS, AND BEQUESTS

### The O. H. Ammann Research Fellowship in Structural Engineering

The O. H. Ammann Fellowship in Structural Engineering was endowed in 1963 by O. H. Ammann, Hon.M.ASCE, for the purpose of encouraging the creation of new knowledge in the field of structural design and construction. The generous endowment was increased in 1985 by Klary V. Ammann (widow of O. H. Ammann) toward the continuation of the purpose and ideal of the fellowship. Applications are to be submitted to the Director of the Structural Engineering Institute of ASCE, for receipt by November 1, the year before the award. Recipient will be notified of selection in May by the Director of the Institute.

- I. The stipend for the Fellowship shall be determined by the Structural Engineering Institute based upon available funds but shall not be less than \$5,000. The following year of award, recipient may apply (prior to November 1) for a renewal, additional stipend to be determined annually by Structural Engineering Institute based on funds available from the endowment.
- II. Applicants must be members of the Society in any grade, or applicants for membership.
- III. A Committee of the Structural Engineering Institute will recommend a recipient to the Director of the Institute.
- IV. Citizens of countries other than the United States may apply, if they are eligible under Rule II.
- V. During the tenure of this fellowship, the recipient may not work on research projects other than that for which this fellowship has been granted; but recipients may accept other awards if the conditions of such awards are the same as those for this fellowship.
- VI. Selection for the award of the grant is made on the basis of the following:
  - a. transcripts of scholastic records;
  - b. evidence to indicate that the applicant has the ability to conceive and explore original ideas in the field of structural engineering;
  - c. description of proposed research and its objectives, including a statement from the institution at which the research is to be done that the applicant and proposed research are acceptable to the institution.
- VII. Each application shall include a statement of the purposes for which the funds are expected to be used.
- VIII. The Research Fellow is required to submit a full report on completed research to the Director of the Institute. The manuscript for such reports must be prepared in conformity with Society publication standards and subject to review for possible publication.

Recent awards have been made as follows:

2006	DRAGNA JANKOVIC, S.M.ASCE	2010	FERNANDO MOREU, S.M.ASCE
2007	KAPIL KHANDELWAL, S.M.ASCE	2011	RACHEL HOWSER, S.M.ASCE
2009	TARAKA RAVI SHANKAR MULLAPUDI, S.M.ASCE		

### James H. Brace Bequest

On October 17, 1957, the Board of Direction accepted a bequest by James H. Brace, M.ASCE, the proceeds of which are available, in nominal sums, to engineers faced with unemployment, financial hardship, or other special circumstances for payment of their ASCE membership dues.

Any unemployed, underemployed or engineer faced with financial hardship should contact ASCE to request a Brace Fund application. If you would like to make a tax-free, charitable donation to the Brace Fund to support engineers who are unemployed or facing financial difficulty, please mail your contribution to: ASCE-Accounting, PO Box 79084, Baltimore, MD 21279-0084. Include "Brace Fund Bequest" in the check memo line and make the check payable to ASCE. You may also call 800-548-2723 or (703) 295-6300 to make a contribution.

### CI Construction Engineering Scholarship and Student Prizes

The Construction Engineering Scholarship is endowed by gifts made by friends of the Construction Division (now the Construction Institute) in conjunction with the 1975 Jubilee Year. It was officially instituted by action of the ASCE Board of Direction in April 1978.

- I. Eligibility:
  - a. Any undergraduate freshman, sophomore, or junior, enrolled in a civil engineering program with a concentration in construction engineering or construction management, who is a Construction Institute (CI) student member and/or ASCE National Student Member in good standing at the time of application and award.
  - b. The scholarship may be awarded only to a student who will employ it to continue their formal undergraduate education at a recognized educational institution.
  - c. Preference will be given to students enrolled in programs with an accredited Construction Management program.
- II. Application:
  - a. Applications are to be submitted to the Construction Institute at the ASCE headquarters office address for receipt by a date established by the Institute that is no later than March 15 of the year of award.
  - b. Applications will be completed following the criteria established by the procedures set forth in the CI Scholarship Policy and Procedures Manual
- III. Selection:
  - a. Selection is made by a review committee designated by the Construction Institute.
  - b. Selection is based on the criteria established by the procedures set forth in the CI Scholarship Policy and Procedures Manual.
- IV. Awards:
  - a. The sum of each scholarship to be awarded will be determined by the review committee based upon available funds.
  - b. Recipients will be notified of their selection in May by a staff member of the Construction Institute.
  - c. The awards will be deposited to the awardee's account with the financial aid office of the institution designated in his/her application. Scholarship funds must be used for tuition expenses.

Recent awards have been made as follows:

- 2006 JOHN COURTNEY, S.M.ASCE; ANDRE HAWKS, S.M.ASCE; and GIUSEPPE CANZONIERI, S.M.ASCE  
 2007 JESSE CONKLIN, S.M.ASCE and IKENNA CLARKE, S.M.ASCE  
 2008 ROBERT ANTES, S.M.ASCE  
 2009 No scholarship was awarded  
 2010 ANDRES BORAL, S.M.ASCE

### Lawrence W. and Francis W. Cox Scholarship

Through the generosity of Mrs. Wahneta T. Hinrichs a scholarship bequest was established in 2008 as a memorial to her husband Francis W. Cox and his father Lawrence W. Cox. The interest proceeds of the scholarship are designated for undergraduate tuition assistance for students pursuing a degree in civil engineering.

- I. Eligibility
  - a. At the time of application and award the individual must be a student enrolled as an undergraduate in an ABET accredited program in civil engineering or related field. Applicants must be a student member of the Society and in good standing at the time of application and award.
  - b. The scholarships may be awarded only to those students who will continue their formal undergraduate education at a recognized educational institution.
  - c. Previous recipients of these scholarships are eligible to apply in any succeeding competition for these awards provided the other requirements of eligibility are satisfied.

## II. Application

Applications are to be submitted to the Executive Director of the Society at the headquarters office address for receipt by a date established by the ASCE Educational Activities Committee. This date will be no later than March 1, in the year of the award. Application must include: (1) completed application form; (2) personal essay which shall be no more than 500 words and shall highlight why the applicant wishes to become a civil engineer, specific ASCE Student Chapter involvement, and long term goals and plans; (3) detailed annual budget; (4) official transcripts; (5) minimum of two recommendation letters to be completed by members of the faculty; and (6) one-page résumé.

## III. Selection

- a. All applications will be reviewed by the ASCE Educational Activities Committee or their designee.
- b. The committee reserves the right to recommend that no award be made in a particular year if no meritorious applications are received.
- c. Selection is based on appraisal of applicant's essay, justification to receive the award, education plans, academic performance, potential for development, demonstrated leadership qualities, and financial need.

## IV. Awards

- a. The amount of the scholarship awarded in a single year will be determined annually by the ASCE Educational Activities Committee or their designee based on available funds.
- b. Only one scholarship may be awarded each year.
- c. The recipient will be notified of selection in May by the Executive Director of the Society.
- d. Award funds will be deposited to the recipient's account with the business office of the institution designated by the recipient.
- e. Funds may be applied to tuition expenses and academic fees reasonably and logically associated with an undergraduate engineering program while continuing formal undergraduate education.

### **Trent R. Dames and William W. Moore Fellowship**

The Trent R. Dames and William W. Moore Fellowship was established in 1990 by the partners of Dames and Moore in honor of the firm's founders for the purpose of advancing the science and profession of engineering and to enhance the overall welfare of mankind. The income of the \$100,000 fund is provided for the exploration of new applications of geotechnical engineering or the earth sciences to social, economic, environmental and political issues.

- I. Grants are made biennially as long as there are meritorious applications received. The fellowship may be awarded to co-researchers in a single project or divided among multiple projects as long as appropriate funds are available. Previous fellowship holders are eligible to reapply.
- II. Applicants must be practicing engineers or earth scientists, professors or graduate students. Membership in the Society is not a requirement for the award.
- III. Each application shall include: (a) description of proposed research and its objectives. (b) statement from the institution at which the research is to be done that the applicant and proposed research are acceptable to that institution. (c) statement of the purposes for which the funds are expected to be used.
- IV. Applications are forwarded to the appropriate technical divisions for review. Selection of recipients is made by the Education Activities Committee and approved by the Committee on Scholarships based on the following: (a) technical and social value of the proposed research. Preference is given to research which will contribute to the solution of conflicting engineering issues involving social, economic, environmental or political concerns or compromises; (b) ability of the proposed research to meet the overall objectives of the fellowship; (c) relevant professional experience, previous research or course of study either as a practitioner or in academia; (d) prior contribution to the engineering profession and/or the applied earth sciences.
- V. An application form will be established by the Education Activities Committee. The recipient will be selected on the basis of the quality of the application. Applications will be received by a date established by the Committee on Scholarships that is no later than March 1, and awards made by May for a twelve-month period beginning not later than the following October 1.
- VI. Each recipient is required to submit a progress report six months after the commencement of the project and a final report, suitable for publication, to the Executive Director of the Society on completion of the tenure of the fellowship.

Recent awards have been made as follows:

2004 BARRY C. McMONAGLE and JAMES A. SCHNEIDER

2010 TARAKA RAVI S. MULLAPUDI, S.M.ASCE and CHRISTOPHER J. SANDT, S.M.ASCE

### **Eugene C. Figg, Jr. Civil Engineering Scholarship**

Through the generosity of the employees of Figg Engineering Group, a scholarship fund was established in 2002 as a memorial to Eugene C. Figg, Jr., F.ASCE, winner of the ASCE 2002 OPAL Award for Design. The interest proceeds of the fund are to be used to assist students interested in bridge design and construction to further their civil engineering education. Gene Figg dedicated his career, his company, and his life to creating "bridges as art."

- I. Eligibility:
  - a. Any currently enrolled junior or senior civil engineering student in an ABET-accredited program who will be registered as an undergraduate in fall term of the year of award, is a United States citizen, is a Student Member of the Society in good standing at the time of application and award, and has a passion for bridges may apply for this scholarship.
  - b. Scholarships may be awarded only to those students who will employ them to continue their formal undergraduate education at a recognized educational institution.
  - c. Previous holders of these scholarships are eligible to apply in any succeeding competition for these awards provided the other requirements of eligibility are satisfied.
- II. Application:
  - a. Applications are to be submitted to the Executive Director, ASCE, for receipt by a date established by the Committee on Scholarships that is no later than March 1, year of award.
  - b. Application must include: (1) completed application form; (2) statement by the applicant addressing his/her interest in bridge design or construction; (3) brief financial statement outlining how the applicant will finance his/her education if an award is granted; (4) official transcript; (5) résumé; and (6) minimum of two letters of recommendation to be completed by members of the faculty.
- III. Selection:
  - a. All applications will be reviewed by the ASCE Educational Activities Committee. Upon receipt, copies of all applications will be transmitted to Figg Engineering Group.
  - b. The committee may recommend more than one recipient or may recommend that no award be made in a particular year if no meritorious applications are received.
  - c. Selection is based on appraisal of applicant's justification, stated interest in bridge design and construction, education plans, academic performance, potential for development, demonstrated leadership qualities, financial need, and possible interview by the Figg Engineering Group. Costs for any interviews will be borne by the Figg Engineering Group.
  - d. Final selection will be mutually agreed upon by the Figg Engineering Group and the ASCE Educational Activities Committee. Should Figg Engineering Group decline to make a selection, the ASCE Educational Activities Committee selection shall be final.
  - e. The ASCE Educational Activities Committee will submit final recommendations to the Executive Committee of the Society for consideration at its April meeting.
- IV. Awards:
  - a. The total sum for the award(s) will be based on the available funds. The entire sum will be presented to a single recipient.
  - b. The recipient(s) will be eligible to be considered for an internship opportunity by the Figg Engineering Group.
  - c. Recipients will be notified of selection in May by the Executive Director of ASCE.
  - d. Award funds will be deposited to the recipient's account with the business office of the institution designated by the recipient. The scholarship is to be used for tuition expenses.

Recent awards have been made as follows:

2006 BENJAMIN SCOTT MORRIS,  
S.M.ASCE

2007 KIMBERLY CHRISTINE  
COLEMAN, S.M.ASCE

2008 DEREK J. MANWILL, S.M.ASCE

2010 TYLER K. ANDREWS, S.M.ASCE

2011 ANTHONY T. KULESA, S.M.ASCE



### The Freeman Fellowship

The Freeman Fund was established in 1924 by John R. Freeman, Past President and Honorary Member, ASCE. The income from the fund is to be used in the aid and encouragement of young engineers, especially in research work for objectives as indicated in the rules.

In addition to the Society's Freeman Fund, Mr. Freeman established similar trusts with the Boston Society of Civil Engineers and the American Society of Mechanical Engineers. In 1949 ASME and ASCE entered an informal agreement by which each would award a fellowship every other year, in alternating years. In 1989 ASCE decided to award the Fellowship every year.

- I. The recipient will be selected on the basis of the quality of the application which shall be submitted to the Executive Director of ASCE at the headquarters office address for receipt by a date established by the Committee on Scholarships that is no later than March 1, year of the award. Recipient will be notified of selection in May by the Executive Director of the Society.
- II. Grants are made toward expenses for experiments, observations, and compilations to discover new and accurate data that will be useful in engineering.
- III. Each application shall include a brief application form as well as a statement of the purposes for which the funds are expected to be used.
- IV. The fellowship encompasses a broad possibility of scholarly work including support for publication, translation, travel or as a grant for a notable publication. Emphasis is on hydraulic science and art.
- V. Travel grants are limited to members younger than 45 years.

Recent awards have been made by ASCE as follows:

- 2007 WENJING PU, S.M.ASCE  
 2008 DRAGANA JANKOVIC, S.M.ASCE and BRIAN D. SWARTZ, S.M.ASCE  
 2009 ALEXIA M. BILLINGSLEA-BROWN, S.M.ASCE and TAHA HOSSEIN RASHIDA, S.M.ASCE  
 2010 BRIAN R. ELLIS, S.M.ASCE and RANDY A. COOK, A.M.ASCE  
 2011 RYAN R. MORRISON, P.E., S.M.ASCE

### Jack E. Leisch Memorial National Graduate Fellowship

The Jack E. Leisch Memorial National Graduate Fellowship was established to provide tuition assistance to graduate students in the field of Transportation, Highway or Traffic Engineering.

- I. Eligibility requirements:
  - a. Applicants must be a member of the Society (Membership applications may be submitted with scholarship applications), and must be in good standing at the time of the award;
  - b. Any full-time student who is enrolled in or admitted to a transportation/traffic engineering graduate degree program (master or doctoral) in Civil Engineering at a qualified university may apply. Transportation/highway/traffic engineering graduate programs feature principal course work in traffic engineering, geometric design, transportation planning, and/or transportation science.
  - c. Applicants must be enrolled at a qualified university. Qualified universities are those whose undergraduate Civil Engineering program is accredited by the Accreditation Board for Engineering and Technology.
  - d. Selection is based on appraisal of the applicant's justification, educational plan, academic performance and standing, potential for development, leadership capacity, and financial need.
  - e. Previous Jack E. Leisch Scholarship recipients are not eligible to reapply.
- II. Application Packet must include:
  - a. Personal essay (500 words or less) on why you should receive this scholarship. The essay shall state academic and professional interest and actual or proposed thesis or dissertation topic;
  - b. A statement of financial need;
  - c. Minimum of three letters of recommendations. Recommendations must accompany the application in a sealed envelope. Only one copy of each recommendation is needed;
  - d. Copies of an official transcript and a list of graduate course work (completed and planned) with each application;

- e. A one page resume should be attached which includes academic experience, GRE scores, honors, activities, organizations, ASCE student chapter activities including any offices held, and any work experience.
- III. Procedure:
- One original application package (containing items a through e) and 3 copies of all items (except item c, letters of recommendation, for which only the originals are required) should be received by the Transportation and Development Institute of ASCE by May 14.
- IV. Award:
- The amount of the award is expected to be up to \$3500.00, depending on funds available from the endowment. The successful applicant must submit to ASCE proof of enrollment prior to receipt of the Fellowship.

### **John Lenard Civil Engineering Scholarship**

The John Lenard Civil Engineering Scholarship was endowed in 2008 by John Lenard, P.E., F.ASCE to encourage students to further their civil engineering education with a focus on water supply or environmental engineering.

- I. Eligibility
- a. The applicant must be a junior or senior student at the time of award majoring in civil engineering in an ABET-accredited program.
  - b. The applicant must be an ASCE National Student Member in good standing at the time of application and award.
  - c. The applicant must demonstrate a commitment to either water supply or environmental engineering.
- II. Application
- Applications are to be submitted to the Executive Director of the Society at the headquarters office address for receipt by a date established by the ASCE Educational Activities Committee. This date will be no later than March 1 in the year of the award. Application must include: (1) completed application form; (2) statement by the applicant outlining the reasons the applicant should receive the scholarship, including financial need, as well as plans for continuing formal education and career goals; and how the award, if granted, will aid in his or her endeavors; (3) essay by the applicant on: What can the civil engineering profession do to improve the environment, and what would the applicant do as a civil engineer to improve the environment; (4) official transcripts; (5) minimum of two recommendation letters to be completed by members of the faculty; and (6) one-page résumé.
- III. Selection
- a. The ASCE Educational Activities Committee or their designee will review all applications.
  - b. The committee reserves the right to recommend that no award be made in a particular year if no meritorious applications are received.
  - c. Selection is based on appraisal of applicant's essay, justification to receive the award, education plans, academic performance, potential for development, demonstrated leadership qualities, and financial need.
- IV. Awards
- a. Only two scholarships may be awarded each year.
  - b. The amount of each scholarship awarded in a single year will be determined annually by the ASCE Educational Activities Committee or their designee. Recipients will be notified of selection in May by the Executive Director of ASCE.
  - c. Award funds will be deposited to the recipient's account with the business office of the institution designated by the recipient.
  - d. Funds may be applied to tuition expenses and academic fees reasonably and logically associated with an undergraduate engineering program while continuing formal undergraduate education in an ABET-accredited program.

### **Robert B. B. and Josephine N. Moorman Scholarship**

Through the generosity of Robert B.B. and Josephine N. Moorman, a scholarship bequest was established in 2008 as a memorial to Robert B.B. Moorman who was a civil engineering professor at Polytechnic Institute of Brooklyn in Brooklyn, NY. The interest proceeds of the scholarship are designated

for undergraduate tuition assistance for students pursuing a degree in civil engineering or civil engineering related field.

- I. Eligibility
  - a. At the time of application and award the individual must be a student enrolled as an undergraduate in an ABET accredited program in civil engineering or related field. Applicants must be an ASCE National Student Member in good standing at the time of application and award.
  - b. The scholarships may be awarded only to those students who will continue their formal undergraduate education at a recognized educational institution.
  - c. Previous recipients of these scholarships are eligible to apply in any succeeding competition for these awards provided the other requirements of eligibility are satisfied.
- II. Application
 

Applications are to be submitted to the Executive Director of the Society at the headquarters office address for receipt by a date established by the ASCE Educational Activities Committee. This date will be no later than March 1, in the year of the award. Application must include: (1) completed application form; (2) personal essay which shall be no more than 500 words and shall highlight why the applicant wishes to become a civil engineer, specific ASCE Student Chapter involvement, and long term goals and plans; (3) detailed annual budget; (4) official transcripts; (5) minimum of two recommendation letters to be completed by members of the faculty; and (6) one-page résumé.
- III. Selection
  - a. All applications will be reviewed by the ASCE Educational Activities Committee or their designee.
  - b. The committee reserves the right to recommend that no award be made in a particular year if no meritorious applications are received.
  - c. Selection is based on appraisal of applicant's essay, justification to receive the award, education plans, academic performance, potential for development, demonstrated leadership qualities, and financial need.
- IV. Awards
  - a. The amount of the scholarship awarded in a single year will be determined annually by the ASCE Educational Activities Committee or their designee based on the available funds.
  - b. Recipients will be notified of selection in May by the Executive Director of ASCE.
  - c. Award funds will be deposited to the recipient's account with the business office of the institution designated by the recipient.
  - d. Funds may be applied to tuition expenses and academic fees reasonably and logically associated with an undergraduate engineering program while continuing formal undergraduate education.

### **The J. Waldo Smith Hydraulic Fellowship**

This fellowship was established by the Board of Direction of the Society in 1938 and was made possible by J. Waldo Smith, past Vice President and Hon.M.ASCE, who bequeathed funds to the Society.

- I. The fellowship is offered every third year. It runs for one full academic year and provides \$4,000, plus as much more up to \$1,000 as may be required for physical equipment connected with the research. Such equipment becomes the property of the institution upon completion of the work.
- II. Applications for the fellowship come through the various institutions applying. The recipient will be selected on the basis of the quality of the application. Applications must be received at ASCE Headquarters by a date established by the Committee on Scholarships that is no later than March 1, year of award. Recipient will be notified of selection in May by the Executive Director of the Society.
- III. Each application shall include a brief application form as well as a statement of the purposes for which the funds are expected to be used.
- IV. Administration is in part through the institution which invites cooperation, through its engineering faculty.
- V. The award is made to that graduate student, preferably an Associate Member of the Society, who gives promise of best fulfilling the ideals of the fellowship.

- VI. Under the provisions adopted by the Board, the scope of the fellowship should be restricted to research in the field of experimental hydraulics as distinguished from that of purely "theoretical hydraulics." To this end, emphasis is to be placed on practical experiments designed and executed for the purpose of advancing knowledge with respect to the laws of hydraulic flow, rather than to the type of research which proceeds on the theory of mathematical based on assumptions of unknown validity. The essence of the purpose of the research is to test the assumptions which are currently made, and also to develop a better understanding of fluid flow.

Recent awards have been made as follows:

- 2003 MARY-HALIS L. ALKIS  
 2006 JEANNE CLAIRE ARCENEUX and SCOTT EMERSON ENGLISH  
 2009 JAMES D.S. CULLIS

### **Samuel Fletcher Tapman ASCE Student Chapter Scholarships**

Scholarships available for award to ASCE National Student Members are made possible through the generous bequest of Samuel Fletcher Tapman, M.ASCE, in 1961. The scholarships were established by the Board of Direction in 1961, the first awards being for the academic year 1962–1963.

- I. Eligibility:
- a. Any currently enrolled freshman, sophomore, junior, or senior who will be registered as an undergraduate in an ABET-accredited program in civil engineering or related field the fall term of the year of award, is a member of his/her local ASCE Student Chapter, and is a Student Member of the Society in good standing at the time of application and award may apply for this scholarship. No more than one application may be submitted from the membership of any one Student Chapter.
  - b. The scholarships may be awarded only to those students who will employ them to continue their formal undergraduate education in a recognized educational institution.
  - c. Previous recipients may apply for consideration in succeeding competitions provided all other requirements of eligibility are satisfied.
- II. Application:
- Applications are to be submitted to the Executive Director, ASCE, for receipt by a date established by the Committee on Scholarships that is no later than March 1, year of award. Application must include: (1) completed application form; (2) statement by the applicant of the reasons believed to justify an award to him or her, as well as plans for continuing his/her formal education; (3) brief financial statement outlining how the applicant will finance his/her education if an award is granted; (4) official transcript; (5) résumé; and (6) minimum of two letters of recommendation to be completed by the Student Chapter Faculty Advisor and at least one other member of the faculty.
- III. Selection:
- a. A total of 12 applicants may be selected each year to receive an award.
  - b. Selection is made by the Society's Education Activities Committee for recommendation to the Executive Committee.
  - c. Selection is based on appraisal of the applicant's justification of award, educational plan, academic performance and standing, potential for development, leadership capacity, ASCE activities, and financial need.
- IV. Awards:
- a. Recipients will be notified of their selection in May by the Executive Director, ASCE.
  - b. The sum of each scholarship to be awarded will be determined by the Committee on Scholarships based upon available funds.
  - c. The awards will be deposited to the awardee's account with the business office of the institution designated in his/her application. Equal withdrawals can be made by the awardee for each term of the academic year.

Recent awards have been made as follows:

- 2007 IKENNA GYASI CLARKE, S.M.ASCE; JEREMY McCANDLESS CROWE, S.M.ASCE;  
 SCOTT DANIEL HUNTER, S.M.ASCE; LAUREN ELIZABETH JOHNSON, S.M.ASCE;  
 KATIE MARIE KELLER, S.M.ASCE; JENNIFER RUTH NELSON, S.M.ASCE; MICHAEL  
 VERNON SCHAEFER, S.M.ASCE; ANURAG MEGHA SRIDHARAN, S.M.ASCE;

- BRIAN JOHN WALKENHAUER, S.M.ASCE; and MAUREEN HALL WIMSATT, S.M.ASCE
- 2008 LAURA M. BURKE, S.M.ASCE; AMY E. HENSCHKE, S.M.ASCE; MARCUS A. MILLER, S.M.ASCE; KEVIN A. MUELLER, S.M.ASCE; TIMOTHY J. SANSONE, S.M.ASCE; and JOSHUA A. WAGNER, S.M.ASCE
- 2009 LAURA A. DIVEL, S.M.ASCE; SRIKANTH J. KUMAR, S.M.ASCE; MARCUS A. MILLER, S.M.ASCE; STEPHANIE L. PETERS, S.M.ASCE; LINDAY B. SMITH, S.M.ASCE; WADE B. SMITH, S.M.ASCE
- 2010 GINNIA ARAUJO, S.M.ASCE; OLGA A. BELTSAR, S.M.ASCE; JOHN S. COBURN, S.M.ASCE; THANH DO NGOC, S.M.ASCE; PAMELA C. ERICKSON, S.M.ASCE; BRANDON G. HICKS, S.M.ASCE; JOSEPH P. MOELLER, S.M.ASCE; VINCENT N. MUESER, S.M.ASCE
- 2011 BRYLLE JAN B. CABACUNGAN, S.M.ASCE; NATHANIEL P. COUPERUS, S.M.ASCE; SAMANTHA C. JEFFRIES, S.M.ASCE; DANIEL H. SHIN, S.M.ASCE; MARK L. STEHOUWER, S.M.ASCE; CHRISTINE TRUONG, S.M.ASCE

### **B. Charles Tiney Memorial ASCE Student Chapter Scholarship**

Through the generosity of Mrs. Hazel M. Tiney, a scholarship bequest was established as a memorial to B. Charles Tiney, M.ASCE, in 1980. The proceeds of the memorial fund are for tuition assistance to needy and deserving college students who are studying in the field of engineering. The scholarship fund was approved by the Board of Direction in May 1980.

- I. Eligibility:
  - a. Any currently enrolled freshman, sophomore, junior, or senior who will be registered as an undergraduate in an ABET-accredited program in civil engineering or related field the fall term of the year of award, is a member of his/her local ASCE Student Chapter, and is a Student Member of the Society in good standing at the time of application and award may apply for this scholarship.
  - b. Scholarship funds are generally applied to tuition expenses while continuing formal undergraduate engineering education at an accredited educational institution.
  - c. Financial need and educational standing will be considered in selecting recipients.
  - d. Previous recipients may apply for consideration in succeeding competitions provided all other requirements of eligibility are satisfied.
- II. Application:
  - a. Applications are to be submitted to the Executive Director of the Society at the headquarters office address for receipt by a date established by the Committee on Scholarships that is no later than March 1, year of award.
  - b. Application must include: (1) completed application form; (2) statement by the applicant of the reasons believed to justify the award to him/her, specifically including financial need, as well as plans for continuing formal education; (3) detailed financial plan for additional financing if an award is granted; (4) official transcript; (5) résumé; and (6) minimum of two letters of recommendation to be completed by the Student Chapter Faculty Advisor and at least one other member of the faculty.
- III. Selection:
  - a. All applications will be reviewed by the ASCE Education Activities Committee, and this committee will submit recommendations to the Executive Committee of the Society for consideration at its April meeting.
  - b. The committee may recommend more than one recipient, or may recommend that no award be made in a particular year, if no meritorious applications are received.
  - c. Selection is based on appraisal of applicants' justification, educational plans, academic performance, potential for development, leadership capacity, ASCE activities, and financial need.
- IV. Awards:
  - a. The total sum for awards will be based on the available funds. This will be evenly divided among all recipients if more than one award is made, or the entire sum may be presented to a single recipient.
  - b. Recipients will be notified of selection in May by the Executive Director of the Society.
  - c. Award funds will be deposited to the recipient's account with the business office of the institution designated by the recipient.

Recent awards have been made as follows:

2010 BRITTANY L. GUNKEL, S.M.ASCE

2011 ETHAN J. MATHERN, S.M.ASCE and TODD B. PAULY, S.M.ASCE

### Arthur S. Tuttle Scholarship

Through the generosity of ASCE President, Arthur S. Tuttle, a scholarship bequest was established in 1983. The proceeds of the memorial fund are for tuition assistance to students during the first year of graduate studies in Civil Engineering.

- I. Eligibility:
  - a. Applicants must be members of the Society, in any grade, and must be in good standing at the time of application and the time of award.
  - b. Scholarship funds are generally applied to tuition expenses during civil engineering graduate study leading to the Masters degree in an accredited educational institution.
  - c. Financial need and educational standing will be considered in selecting recipients.
- II. Application:
  - a. Application should be submitted to the Executive Director of the Society at the Headquarters office address for receipt by a date established by the Committee on Scholarships that is no later than March 1, year of award.
  - b. Application must include: (1) completed application form; (2) statement by the applicant of the reasons believed to justify scholarship assistance, specifically including financial need, as well as plans for continuing formal education; (3) detailed financial plan outlining how the applicant will finance his/her education if an award is granted; (4) official transcript; (5) résumé; and (6) minimum of two letters of recommendation, one of which must be completed by a faculty member.
- III. Selection:
  - a. All applications will be reviewed by the ASCE Committee on Scholarships, for consideration at its spring meeting.
  - b. The committee may recommend more than one recipient, or may recommend that no award be made in a particular year, if no meritorious applications are received.
  - c. Selection is based on appraisal of applicants' justification, educational plans, academic performance, potential for development, leadership and financial need.
- IV. Awards:
  - a. The total sum for awards available will be determined annually by the Committee on Scholarships, based on earnings available from the endowment.
  - b. Recipients will be notified of selection in May by the Executive Director of the Society.
  - c. Awards funds will be deposited to the recipient's account with the business office of the institution designated by the recipient.

Recent awards have been made as follows:

2007 BLAKE MICHAEL ANDREWS, S.M.ASCE and ALISON ANN TRACHET, S.M.ASCE

2008 LAURA C. EADS, A.M.ASCE; BRITTANY N. MONTGOMERY, S.M.ASCE; and  
BENJAMIN S. MORRIS, S.M.ASCE

2009 DEREK J. MANWILL, S.M.ASCE

2010 LAWSON S. BORDLEY, S.M.ASCE and MITCHELL C. TAYLOR, S.M.ASCE

2011 CHRISTOPHER H. GIFFORD-MIEARS, S.M.ASCE and LAUREN K. HICKEY, S.M.ASCE

### Y. C. Yang Civil Engineering Scholarship

Through the generosity of Y. C. Yang, Chairman of T.Y. Lin & Y.C. Yang International, a scholarship fund was established in 2004 to foster interest in structural engineering and to encourage students to further their civil engineering education. Mr. Yang, a renowned structural engineer, has overseen the design and construction of hundreds of projects including medium-to-high rise buildings, highway and railway bridges in the United States and Taiwan, and several airports, including San Francisco International Airport, Oakland Airport, Detroit Metropolitan Airport, and Chiang Kai Shek International Airport in Taipei, Taiwan.

- I. Eligibility:
  - a. Any currently enrolled junior or senior civil engineering student in an ABET-accredited program who will be registered as an undergraduate in fall term of the year of award, is a

- Student Member of the Society in good standing at the time of application and award, and expresses an interest in structural engineering may apply for this scholarship.
- b. Scholarships may be awarded only to those students who will employ them to continue their formal undergraduate education at a recognized educational institution.
  - c. Previous holders of these scholarships are eligible to apply in any succeeding competition for these awards provided the other requirements of eligibility are satisfied.
- II. Application:
- a. Applications are to be submitted to the Executive Director, ASCE, for receipt by a date established by the Committee on Scholarships that is no later than March 1, year of award.
  - b. Application must include: (1) completed application form; (2) statement by the applicant addressing his/her interest in structural engineering; (3) brief financial statement outlining how the applicant will finance his/her education if an award is granted; (4) official transcript; (5) résumé; and (6) minimum of two letters of recommendation to be completed by members of the faculty.
- III. Selection:
- a. All applications will be reviewed by the ASCE Educational Activities Committee, and this committee will submit final recommendations to the Executive Committee of the Society for consideration at its April meeting.
  - b. The Educational Activities Committee may recommend more than one recipient or may recommend that no award be made in a particular year if no meritorious applications are received.
  - c. Selection is based on appraisal of applicant's justification, stated interest structural engineering, education plans, academic performance, potential for development, demonstrated leadership qualities, financial need.
- IV. Awards:
- a. The scholarship may be awarded to two students each year with each scholarship ranging from \$2,000 to \$2,500, based on the available funds. Additional awards in the \$2,000 to \$2,500 range may be made if funds allow.
  - b. Recipients will be notified of selection in May by the Executive Director of ASCE.
  - c. Award funds will be deposited to the recipient's account with the business office of the institution designated by the recipient. The scholarship is to be used for tuition expenses.

Recent awards have been made as follows:

- 2006 ADAM JONATHAN BIRDSALL, S.M.ASCE and GARRET EVERETT ELLINGSON,  
S.M.ASCE
- 2007 TIMOTHY JAMES TRUSTER, S.M.ASCE
- 2008 MAHILIA K. MILLER, S.M.ASCE and SUSAN M. SMITH, S.M.ASCE
- 2010 RICHARD L. EMBERLEY, S.M.ASCE
- 2011 GRETCHEN E. HEBERLING, S.M.ASCE and STEPHEN J. KILBER, S.M.ASCE