

2007 ASCE Award Recipients

Arid Lands Hydraulic Engineering Award

David C. Goodrich, Ph.D., P.E., M.ASCE

“For consistently outstanding research work advancing the state of the art and understanding of precipitation – runoff processes in the arid and semi-arid regions of the United States.”

Harland Bartholomew Award

Kara M. Kockelman, Ph.D., P.E., M.ASCE

“For her many planning contributions, including her novel credit-based congestion pricing theory, which has the potential to revolutionize roadway operations by eliminating recurring traffic congestion and allocating scarce roadway space in an equitable fashion.”

Stephen D. Bechtel Pipeline Engineering Award

Howard O. Wilson, P.E., M.ASCE

“For his 35 years of dedication and commitment to the pipeline industry as a teacher, mentor, project manager, and supervisor and for his knowledge and technical expertise in the design and construction of large diameter pipeline transmission and distribution systems.”

Stephen D. Bechtel, Jr. Energy Award

John E. Edinger, Ph.D., M.ASCE

“For career contributions to the energy industry, spanning academia, engineering practice and professional service, and in particular, for contributions to the area of waterbody dynamics.”

John O. Bickel Award

Not awarded in 2007

Maurice A. Biot Medal

James R. Rice, Ph.D., M.ASCE

“For his fundamental contributions to the mechanics of poroelasticity, inelastic behavior of fluid-saturated porous materials, and response of technological materials containing voids.”

CAN-AM Civil Engineering Amity Award

Guy Dore, Ph.D., M.ASCE

“For his research into the performance of pavements and geosynthetics in seasonal and permafrost regions of North America, his many publications on the subject, and a career of teaching and of involvement in joint US-Canadian studies of pavement performance.”

Arthur Casagrande Professional Development Award

David J. White, Ph.D., A.M.ASCE

“For his achievements in the area of dynamic soil behavior characterization and testing using innovative soil system evaluation strategies, including that of significant advancements with real-time compaction analysis and related field applications.”

Jack E. Cermak Medal

Peter A. Irwin, Ph.D., P.Eng., F.ASCE

“For his contributions to wind engineering through consulting, research and development on wind load effects on structures, including contributions to ASCE 7 and supervision of wind engineering studies of many landmark structures.”

Ven Te Chow Award

Leo R. Beard, P.E., D.WRE, Hon.M.ASCE

“For advancing knowledge in hydrologic engineering in systems techniques for reservoir regulation, statistical methods for streamflow frequency analysis, flood hydrograph computation, and the development of computer-based methods for hydrologic computations.”

Civil Government Award

Jimmie R. Yee, P.E., F.ASCE

“For his dedication as an elected public servant since 1992. He has honored the civil engineering profession with his exemplary leadership and distinguished service to the City and County of Sacramento.”

Collingwood Prize

M. Luis Piek, P.E., M.ASCE

“In recognition of an outstanding technical paper entitled, “Lake Hodges to Olivenhain Pipeline – Tunnel, Shaft and Site Development”

Computing in Civil Engineering Award

Not awarded in 2007

Construction Management Award

James T. Ruddell, P.E., M.ASCE

“For his leadership and innovative management of the construction of the Woodrow Wilson Bridge, Alexandria, Virginia, and the Prince William Parkway, Prince William County, Virginia, as well as his many contributions to the Nation’s infrastructure development.”

J. James R. Croes Medal

Robert G. Driver, Ph.D., P.Eng., M.ASCE

Hassan H. Abbas, Ph.D., M.ASCE

Richard Sause, Ph.D., P.E., M.ASCE

“For the paper, “Shear Behavior of Corrugated Web Bridge Girders,” Journal of Structural Engineering, February 2006.”

Charles Martin Duke Lifeline Earthquake Engineering Award

James E. Beavers, Ph.D., P.E., F.ASCE

“For contributions to Lifeline Earthquake Engineering, especially in areas of seismic design and blast loading of nuclear and other critical facilities, development of procedures for hazard mitigation and loss estimation, and leadership in seismic safety initiatives and policy development for lifelines.”

Hans Albert Einstein Award

J. Dungan Smith, Ph.D., M.ASCE

“For outstanding achievement in the rigorous application of the principles of fluid mechanics to sediment transport problems on the Continental Shelf and in the near-shore zone, estuaries and rivers.”

Simon W. Freese Environmental Engineering Award and Lecture

John T. Novak, Ph.D., P.E., M.ASCE

“For advancing the scientific understanding of sludge dewatering processes and improving biosolids management practices at wastewater treatment facilities.”

Alfred M. Freudenthal Medal

Not awarded in 2007

Edmund Friedman Professional Recognition Award

Reed M. Brockman, P.E., M.ASCE

“For his outstanding contribution to educational outreach and engineering activities. His passion for the civil engineering profession and his commitment to mentoring have made a tremendous impact on the vitality, perception, and future of civil engineering.”

Edmund Friedman Young Engineer Award for Professional Achievement

Christoph M. Goss, Ph.D., P.E., M.ASCE

Jonathan D. McHugh, P.E., M.ASCE

Christopher J. Menna, P.E., M.ASCE

Katherine M. Shinkai, P.E., M.ASCE

“In recognition of professional achievement in service to the advancement of the profession, evidence of technical competence, high character and integrity, and contributions to public service outside your career.”

Samuel Arnold Greeley Award

Irene M.C. Lo, Ph.D., M.ASCE

Vibeke L. Birkelund, Aff.M.ASCE

Peter Kjeldsen, Aff.M.ASCE

“For the paper, “Field Monitoring of a Permeable Reactive Barrier for Removal of Chlorinated Organics,” Journal of Environmental Engineering, February 2006.”

Shortridge Hardesty Award

Russell Q. Bridge, Ph.D., P.E., F.ASCE

“For his leadership in structural stability research for more than 30 years. His groundbreaking work on steel and composite compression and flexural members, as well as steel frame stability, has played a major role for numerous design codes.”

Rudolph Hering Medal

Jun Wang, P.E., M.ASCE

Joel G. Burken, Ph.D., M.ASCE

Xiaoqi Zhang, A.M.ASCE

Rao Y. Surampalli, Ph.D., P.E., BCEE, F.ASCE

“For the paper, “Engineered Struvite Precipitation: Impacts of Component-Ion Molar Ratios and pH,” Journal of Environmental Engineering, October 2005.”

Karl Emil Hilgard Hydraulic Prize

Francesco G. Carollo, Ph.D.

Vito Ferro, Ph.D.

Donatella Termini, Ph.D.

“For the paper, “Flow Resistance Law in Channels with Flexible Submerged Vegetation,” Journal of Hydraulic Engineering, July 2005.”

Julian Hinds Award

Wayne C. Huber, Ph.D., P.E., M.ASCE

“For contributions to hydrology, urban water resources engineering, and water quality management, and particularly his efforts as developer, promoter and sustainer of the widely-used USEPA Storm Water Management Model (SWMM), which is the international standard for urban water management engineering.”

Civil Engineering History and Heritage Award

Michael M. Chrimes

“In recognition of his contributions to the international awareness and appreciation of civil engineering history and heritage, through his personal scholarship and research, as well as his stewardship of the collections of the library of the Institution of Civil Engineers.”

Philip R. Hoffman Award

Not awarded in 2007

Hoover Medal

Bernard Amadei, Ph.D., P.E., M.ASCE

“For his passion and commitment to humanity exemplified through his founding Engineers Without Borders – USA, a large scale civic program that brings clean water to the

developing world.”

Wesley W. Horner Award

Youssef 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

Yves Comeau, Ph.D., P.E., M.ASCE

“For the paper, “Phosphorous Co-Precipitation in the Biological Treatment of Slaughterhouse Wastewater in a Sequencing Batch Reactor,” Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management, July 2005.”

Ernest E. Howard Award

Dan M. Frangopol, Sc.D., P.E., Dr.h.c., F.ASCE

“For outstanding contributions to the advancement of structural engineering, particularly in the risk assessment and maintenance planning of deteriorating civil infrastructures, and notable recommendations for implementation of research results in design practice.”

Walter L. Huber Civil Engineering Research Prize

Reginald DesRoches, Ph.D., M.ASCE

“For contributions in the field of seismic design and retrofit of bridges, particularly for the central and southeastern regions of the United States.”

Sherif El-Tawil, Ph.D., P.E., M.ASCE

“For the development and application of novel numerical simulation models for the analysis and design of steel and hybrid steel-concrete structures.”

Burcu H. Akinci, Ph.D., M.ASCE

“For outstanding and real contributions in construction engineering and management. She has pioneered the integration of design information with as-built information, collected from construction sites using sensors, to support better management of construction projects.”

Feniosky Peña-Mora, Sc.D., P.E., M.ASCE

“For contributions to engineering practice and research on construction management, involving state-of-the-art quantitative models and information technology for collaboration, change management and conflict resolution in large-scale construction projects involving geographically distributed A/E/C teams.”

Kenichi Soga, Ph.D., M.ASCE

“For pioneering research on the fundamental behavior of soils with application to in-situ monitoring, site remediation, and soil-structure interaction.”

Hydraulic Structures Medal

Willi H. Hager, Ph.D., F.ASCE

“For his varied and profound contributions to the science, engineering, and history of open-channel flows, in general, and of hydraulic structures in particular.”

Innovation in Civil Engineering Award

Not awarded in 2007

International Coastal Engineering Award

Edward B. Thornton, Ph.D., M.ASCE

“For pioneering and fundamental contributions to nearshore hydrodynamics and sediment transport and leadership in the field.”

ASCE Excellence in Journalism Award

Larry Van Dyne

“For his outstanding coverage of the history of the public water-supply system in the Nation’s capitol, including the contributions of civil engineers in purifying and delivering water, as well as developing water systems in the area (“Water Water...,” 2007.)”

Tom Avril (Honorable Mention)

“For his outstanding coverage of the use of damping systems in buildings around the world (“Water to Tame Wind Atop New Skyscraper: Giant Bathtub in the Sky,” April 15, 2007.)”

Martin S. Kapp Foundation Engineering Award

Jean-Louis Briaud, Ph.D., P.E., F.ASCE

“For his many contributions to innovative foundation engineering through his work in academia and private consulting practice, and for his efforts leading to numerous practical innovation that have permitted difficult foundation problems to be overcome.”

James Laurie Prize

Imad L. Al-Qadi, Ph.D., P.E., F.ASCE

“For his outstanding research accomplishments in transportation engineering, for his dedication to educating future generations of transportation engineers, and for his exemplary leadership in the profession.”

T.Y. Lin Award

Siddhwartha Mandal, A.M.ASCE

Amir Fam, P.E., M.ASCE

“For the paper, “Modeling of Prestressed Concrete-Filled Circular Composite Tubes Subjected to Bending and Axial Loads,” Journal of Structural Engineering, March 2006”

Frank M. Masters Transportation Engineering Award

Not awarded in 2007

Daniel W. Mead Prize for Students

Rachel N. Howser, S.M.ASCE

“For the paper, “Eminent Domain and the Engineer’s Ethical Responsibility.”

Daniel W. Mead Prize for Younger Members

T. Kate Thivierge, P.E., M.ASCE

“For the paper, “Should Engineers Advocate for Public Entities to Use Eminent Domain Power for Economic Development?”

Clay A. Forister, P.E., M.ASCE (Certificate of Commendation)

Thomas A. Middlebrooks Award

Deepa S. Liyanapathirana, M.ASCE

Harry G. Poulos, Ph.D., D.Sc., F.ASCE

“For the paper, “Pseudostatic Approach for Seismic Analysis of Piles in Liquefying Soil,” Journal of Geotechnical and Geoenvironmental Engineering, December 2005.”

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

Robert M. Engler, Ph.D., M.ASCE

“For his significant contributions of leadership, creativity and expertise contributing to the continued viability of the Nation’s maritime gateways for over 30 years.”

Moisseiff Award

Maura Lecce, Ph.D.

Kim J.R. Rasmussen, Ph.D., M.ASCE

“For the papers “Distortional Buckling of Cold-Formed Stainless Steel Sections: Experimental Investigation” and “Distortional Buckling of Cold-Formed Stainless Steel Sections: Finite-Element Modeling and Design,” Journal of Structural Engineering, April 2006.”

Nathan M. Newmark Medal

Sami F. Masri, Ph.D., M.ASCE

“For his fundamental contributions to development of the field of structural control and health monitoring.”

Alfred Noble Prize

Cynthia L. Dinwiddie, Ph.D.

“For the paper, “The Small-Drillhole Minipermeameter Probe for In-Situ Permeability Measurement,” Reservoir Evaluation and Engineering, December 2005.”

Norman Medal

Ning Lu, Ph.D., M.ASCE

William J. Likos, Ph.D., M.ASCE

“For the paper, “Suction Stress Characteristic Curve for Unsaturated Soil,” Journal of Geotechnical and Geoenvironmental Engineering, February 2006.”

John I. Parcel - Leif J. Sverdrup Civil Engineering Management Award

Darryl W. Davis, P.E., D.WRE, M.ASCE

“For his leadership abilities, management and technical achievements in hydrologic and water resources planning. His contributions to dam and levee safety, flood risk management, and civil works policy matters have made a tremendous impact on the water resources engineering field.”

Ralph B. Peck Award

Jean-Louis Briaud, Ph.D., P.E., F.ASCE

“For his pioneering work on soil erosion and on bridge scour, and for his significant and numerous contributions to the field of Geotechnical Engineering.”

Peurifoy Construction Research Award

James E. Diekmann, Ph.D., M.ASCE

“For his contributions in advancing the construction profession’s acceptance of alternative dispute resolution techniques and approaches to risk-based decision-making.”

Harold R. Peyton Award for Cold Regions Engineering

Richard L. Berg, Ph.D., P.E., M.ASCE

“For his long and productive career of research into soil frost heaving and thaw weakening prediction methodology, and into the performance of pavements and geosynthetics in seasonal and permafrost regions of North America.”

ASCE Presidents' Award

David E. Daniel, Ph.D., P.E., Hon.M.ASCE, NAE

“For his inspired leadership of the ASCE Hurricane Katrina External Review Panel and exemplifying the Society’s objective of advancing the welfare of humanity.”

ASCE President's Medal

Robert S. O’Neil, P.E., F.ASCE

“For strong leadership and sound technical counsel as chairman of the ASCE panel of independent international experts called at the request of the Commonwealth of Virginia to evaluate the tunnel and aerial structure alternatives in the extension of MetroRail through Tysons Corner to Dulles Airport.”

The Professional Practice Ethics and Leadership Award

LTG Carl A. Strock, P.E., M.ASCE, U.S. Army (Ret.)

“For his service to the nation, by demonstrating brave, selfless leadership and adherence to the highest ethical principles while searching for truth in the aftermath of Hurricane Katrina.”

Raymond C. Reese Research Prize

Tomonori Nagayama

Masato Abe, Ph.D.

Yozo Fujino, Ph.D., M.ASCE

Kenji Ikeda

“For the paper, “Structural Identification of a Nonproportionally Damped System and Its Application to a Full-Scale Suspension Bridge,” Journal of Structural Engineering, October 2005.”

Rickey Medal

David J. Youlen, P.E., M.ASCE

“For his renewable energy development focus, years of dedication to efficient and environmentally sensitive operation of 730 megawatts of system critical hydroelectric capacity and contributions of his own time and effort to industry forums and historic interests.”

Robert Ridgway Student Chapter Award

United States Military Academy ASCE Student Chapter

“For excellence in the effective and meritorious conduct of its affairs as a Student Chapter of ASCE through the ability and professional diligence of the Chapter officers, members and faculty advisors.”

Roebbling Award

J. Patrick Powers, P.E., F.ASCE

“In recognition of his more than 50 year career. He was Chief Engineer of Moretrench, a consultant with MRCE and contributed to generations of civil engineers with his book Construction Dewatering.”

Hunter Rouse Hydraulic Engineering Lecture

Hung Tao Shen, Ph.D., M.ASCE

“For his preeminent expertise in river ice hydraulics. He is widely recognized for his development of the leading numerical models for simulating ice formation, transport, and jamming in rivers.”

Thomas Fitch Rowland Prize

Amr A. Kandil, Ph.D., M.ASCE

Khaled El-Rayes, Ph.D., P.E., M.ASCE

“For the paper, “Parallel Genetic Algorithms for Optimizing Resource Utilization in Large-Scale Construction Projects,” Journal of Construction Engineering Management, May 2006.”

Robert H. Scanlan Medal

Masaru Matsumoto, D.Eng., A.M.ASCE

“For his fundamental contributions to bluff body aerodynamics and aeroelasticity of long-span bridges.”

Wilbur S. Smith Award

Not awarded in 2007

State-of-the-Art of Civil Engineering Award

Satinder K. Brar, Ph.D., S.M.ASCE

Mausam Verma, Ph.D., S.M.ASCE

Rao Y. Surampalli, Ph.D., P.E., BCEE, F.ASCE

Kshipra Misra, Ph.D.

Rajeshwar D. Tyagi, Ph.D., M.ASCE

Nathalie Meunier, Ph.D.

Jean-Francois Blais, Ph.D. M.ASCE

“For the paper, “Bioremediation of Hazardous Wastes – A Review,” Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management, April 2006.”

J.C. Stevens Award

Carlos V. Alonso, Ph.D., M.ASCE

“For the discussion of “Hydrodynamic Loading on River Bridges,” by Stefano Malavasi and Alberto Guadagnini, Journal of Hydraulic Engineering, July 2005.”

Surveying & Mapping Award

Not awarded in 2007

Karl Terzaghi Award

Chandrakant S. Desai, Ph.D., P.E., F.ASCE

“For outstanding, sustained and seminal contributions in geotechnical engineering and geomechanics for theoretical, laboratory and practical solutions of problems using advanced and realistic constitutive and computer models.”

Karl Terzaghi Lecture

George G. Goble, Ph.D., P.E., M.ASCE

“In recognition of his contributions to deep foundation design and construction and engineering education, including ten pile driving analyzer, wave equation analysis, integrity testing, and LRFD.”

Royce J. Tipton Award

Wynn R. Walker, Ph.D., P.E., D.WRE, F.ASCE

“For significant theoretical and practical contributions in surface irrigation hydraulic modeling; estimation of field properties needed for irrigation modeling and management; salinity control; sprinkle and drip irrigation; irrigation hydrology; canal hydraulics and control; and irrigation water allocation and planning.”

Francis C. Turner Award

Alain L. Kornhauser, Ph.D., M.ASCE

“For pushing the envelope of imagination, creativity and innovation in transportation engineering. His academic research and business accomplishments serve as inspiration and motivation for generations of current and future engineering professionals.”

Theodore von Karman Medal

Chiang C. Mei, Ph.D., M.ASCE, NAE

“For his fundamental contributions in fluid mechanics, wave theory, non-Newtonian flows, and understanding of ocean waves,”

Arthur M. Wellington Prize

Not awarded in 2007

George Winter Award

Keith D. Hjelmstad, Ph.D., M.ASCE

“For his accomplishments in structural engineering research, his dedication to the education of future structural engineers, and for his exemplary community and artistic service in leading the Parkland Community Orchestra as Concertmaster for 15 years.”

William H. Wisely American Civil Engineer Award

Thomas A. Lenox, Ph.D., M.ASCE

“For strong leadership and sound professional counsel as a leader in the education and association management of civil engineers. Dr. Lenox has provided wise counsel, guiding leadership and keen insights to help ASCE assume the leader role in our profession.”

Younger Member Group Award for Large Groups

Orange County Branch Younger Member Forum

“For outstanding professional, technical, social, outreach, and community service activities on behalf of the Orange County Branch.”

Younger Member Group Award for Small Groups

Hawaii Section Younger Member Forum

“For outstanding professional, technical, social, outreach, and community service activities on behalf of the Hawaii Section.”

Younger Member Group Award Letters of Commendation

Seattle Section Younger Member Forum

“In recognition of outstanding accomplishments on behalf of the Seattle Section.”

West Virginia Section Younger Member Forum

“In recognition of outstanding accomplishments on behalf of the West Virginia Section.”

