



2023 AWARDS PROGRAM

October 29 –
November 2, 2023

Boston, MA, USA

Westin Boston Seaport District &
Boston Convention and
Exhibition Center

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ACI selects the winners of its annual awards through an open nomination process. ACI members can participate in the Honors and Awards Program by nominating worthy candidates for award consideration. Nomination forms can be found on the ACI website, www.concrete.org, or by contacting Rachel Belcher at aci.awards@concrete.org.

2023 Listing of Awardees

The following individuals will be receiving awards at the ACI Concrete Convention

PERSONAL AWARDS

ARTHUR R. ANDERSON MEDAL

Lawrence Sutter

ROGER H. CORBETTA CONCRETE CONSTRUCTOR AWARD

Peter J. Ruttura

CLYDE E. KESLER EDUCATION AWARD

Benoit Fournier

ROBERT F. MAST AWARD

Stephen J. Seguirant

HENRY C. TURNER MEDAL

Keith Kesner

CHARLES S. WHITNEY MEDAL

Andrzej S. Nowak

ACI CONCRETE SUSTAINABILITY AWARD

Moncef L. Nehdi

PAPER AWARDS

WASON MEDAL FOR MOST MERITORIOUS PAPER

Benjamin Worsfold • Jack P. Moehle • John F. Silva

ACI CONCRETE INTERNATIONAL AWARD

James E. Klinger • Oscar R. Antommattei • Aron Csont •
Trevor Prater • Michael Damme • Bruce A. Suprenant

ACI SYMPOSIUM VOLUMES AWARD

Amir Gheitasi • Christopher R. Gentz • Andrew Foden • Biniam Aregawi

METE A. SOZEN AWARD FOR EXCELLENCE IN STRUCTURAL RESEARCH

Victor Aguilar Vidal • Robert W. Barnes • Andrzej S. Nowak

WASON MEDAL FOR MATERIALS RESEARCH

Hai Zhu • Dhanushika Gunatilake Mapa • Catherine Lucero •
Kyle A. Riding • Abla Zayed

ACI EDUCATION AWARD

Josh Edwards • Kirk McDonald

Personal Awards

ARTHUR R. ANDERSON MEDAL

The **Arthur R. Anderson Medal** was established in 1972 by the Institute in recognition of Arthur R. Anderson, Past President of the Institute, for his imaginative and outstanding leadership and insistence on excellence of concrete quality for engineering works.

The award is given for outstanding contributions to the advancement of knowledge of concrete as a construction material and need not be presented each year. All persons, firms, corporations, or organizations are eligible to receive the award.

“for his tireless efforts to advance concrete knowledge and his significant efforts in ACI to place concrete at the forefront of construction sustainability”



Lawrence Sutter, FACI, is a Professor Emeritus and Research Professor in the Materials Science and Engineering Department at Michigan Technological University, Houghton, MI, USA. He also serves as the Principal of Sutter Engineering, LLC, providing consulting services on concrete durability and specifying concrete-making materials.

Sutter is a Fellow of ACI and a member of the ACI Board of Direction. He serves as Chair of ACI Committee 321, Concrete Durability Code; Vice Chair of ACI Committee 232, Fly Ash and Bottom Ash in Concrete; Secretary of ACI Committee 201, Durability of Concrete; and is a member of several other ACI committees. He is a past member of the ACI Educational Activities Committee and served as Chair and lead author for ITG-10, Alternative Cements; and was instrumental in forming ACI Committee 242, Alternative Cements. Sutter is also President of the Board for the ACI Center of Excellence for Carbon Neutral Concrete (NEU). In addition, he is a Fellow of ASTM International and is Vice Chair of both ASTM Committees C01, Cement, and C09, Concrete and Concrete Aggregates; Chair of ASTM Subcommittees C01.14, Non-hydraulic Cements, and C09.24, Supplementary Cementitious Materials; and serves on numerous other ASTM subcommittees. He is also involved with the National Concrete Consortium (NC²) and the American Association of State Highway and Transportation Officials (AASHTO).

Sutter received the 2019 ACI Foundation Jean-Claude Roumain Innovation in Concrete Award for his work implementing alternative cements and the 2019 ACI Delmar L. Bloem Distinguished Service Award for meritorious committee service. ASTM International presented him with the Award of Merit, the organization’s highest recognition, in 2019; Honorary Membership on Committees C01 and C09 in 2020; and the Frank R. Richart Award for meritorious contributions to the Society in research and standardization of concrete and concrete aggregates in 2022.

In addition, he specializes in supporting development and implementation of alternative cementitious materials and alternative supplementary cementitious materials. Sutter has over 40 combined years of experience in concrete materials characterization, testing, and concrete durability. He is a licensed professional engineer in Michigan.

Personal Awards

ROGER H. CORBETTA CONCRETE CONSTRUCTOR AWARD

The **Roger H. Corbetta Concrete Constructor Award** was established in 1972 by the Institute in recognition of Roger H. Corbetta, ACI Past President, for his creative leadership and his many outstanding contributions to the use of concrete for construction. This award received continued naming financial support from ASCC, Ruttura & Sons, and Baker Concrete Construction, Inc., in 2022.

The award is given to an individual or an organization who, or which, as a constructor, has made significant contributions to progress in methods of concrete construction.

“for his contribution to the dissemination of knowledge of the proper methods of concrete construction through practice and participation in ACI committees”



Peter J. Ruttura, FACI, has been continuously employed in the family business Ruttura and Sons Construction Co. for over 40 years, currently serving as Vice President and Chief Operating Officer (COO). Beginning as a laborer, he advanced through the trades learning the proper methods and techniques of concrete construction.

Ruttura is a Fellow of ACI; Chair of Joint ACI-ASCC Subcommittees 117-C, Foundations, and 117-I, Exterior Pavements and Sidewalks; and a member of ACI Committees 302, Construction of Concrete Floors; 330, Concrete Parking Lots and Site Paving; Joint ACI-ASCC Committee 117, Tolerances; and Subcommittee 117-D, Cast-in-Place Concrete for Buildings. He has been a member of the Association of Concrete Contractors of New York for decades, promoting concrete construction, trade negotiations, monthly programs inclusive of design professionals, and leadership roles, having served as President for 3 years, Vice President for 2 years, and Interim President for another's term. He is also a member of ASTM Committee C09, Concrete and Concrete Aggregates.

Ruttura was honored with the 2022 ACI *Concrete International* Award as co-author of “Establishing Thickness Tolerances for Parking Lot Slabs.” As Vice President and COO of Ruttura and Sons Construction Co., Ruttura's personal efforts resulted in the following corporate recognitions: The Decorative Concrete Council WOW! Award, best overall project, for Little Island @ Pier 55, Manhattan, NY, USA; The Concrete Industry Board Roger H. Corbetta Award of Merit for Citi-Field, The 37 Baryshnikov Arts Center, and two Concrete Residences on Long Island, NY; and the 2016 ASCE Long Island Branch Project of the Year for the Arthur Ashe Stadium Transformation.

Personal Awards

CLYDE E. KESLER EDUCATION AWARD

The **Clyde E. Kesler Education Award**, established in 1974, now honors Clyde E. Kesler, ACI Past President. This award was established by the naming financial support of University of Illinois Professors David A. Lange, Neil Hawkins, and Frances Young. (Award name was formerly the Joe W. Kelly Award).

This award is given only for outstanding contributions to education in the broad field of concrete.

“in recognition of his mentoring future engineers/scientists, supporting students’ concrete research projects, his dedication to advancing the concrete industry through the improvement of standards and committee activities, and his leadership in breakthrough advances in new and ongoing concrete research topics”



Since 2007, **Benoit Fournier** has been a Professor in the Department of Geology and Geological Engineering of Université Laval, Québec City, QC, Canada. He has also worked as a research scientist (1990-1998) and manager (1998-2007) for the Advanced Concrete Technology Program of CANMET, Department of Natural Resources Canada, Ottawa, ON, Canada.

Fournier is a former member of ACI Committee 221, Aggregates, and of ASTM Committee C09, Concrete and Concrete Aggregates. He is also a past Chair of the ACI Eastern

Ontario and Quebec Chapter and has presented on several occasions during the Chapter’s Annual Progress in Concrete Technology Seminar. Fournier is the Mentor of the ACI Université Laval Student Chapter. In addition, he is Chair of the Canada Standards Association (CSA) technical subcommittee on aggregate’s reaction in concrete and member of CSA Committee A23, Concrete. Fournier is co-chairing the NRCC-RBQ partnership research chair on the impact of pyrrhotite on the durability of concrete structures in Canada. He is the Director of Quebec’s Research Centre on Concrete Infrastructures (CRIB), which regroups 32 researchers and their teams from seven universities across the province of Québec.

His research interests include the various aspects of aggregates technology, recycling, sustainable development in concrete construction (including supplementary cementitious materials, industrial by-products, and recycled aggregates), and durability of concrete, especially issues related to deleterious aggregates reactions in concrete (for example, alkali-aggregate reaction, oxidation in sulfide-bearing aggregates, and frost-susceptible aggregates). He has authored or co-authored over 300 technical papers and reports on various aspects of aggregates technology and the durability of concrete.

Fournier received his BS in geological engineering from Université Laval in 1983, and his MS and PhD in earth sciences from the same university in 1986 and 1998, respectively. He is a licensed professional engineer in Québec.

Personal Awards

ROBERT F. MAST AWARD

The **Robert F. Mast Award** was established in 2021 in recognition of Robert F. Mast, ACI Past President and a long-term member of ACI Committee 318, Structural Concrete Building Code.

The award is given for outstanding contributions to practical design codes and practices, particularly in the areas of precast and prestressed concrete and to the advancement of concrete know-how in other design engineers.

“for his resolution to advance precast concrete construction through stewardship of code development; for his innovation and transfer of knowledge to others through professional papers and committees; and for his honor and respect of the eponymous award”



Stephen J. Seguirant, FACI, is Vice President and Director of Engineering for Concrete Technology Corporation, Tacoma, WA, USA, where he has been employed for 44 years. He has authored or co-authored many technical, award-winning papers.

He is a member of ACI Committee 318, Structural Concrete Building Code, having served as a member since 1993, and was Chair of ACI Subcommittee 318-G, Precast and Prestressed Concrete, for the 2014 and 2019 code cycles. He is also a member of Joint ACI-PCI Committee 319, Precast Structural Concrete Code, which is in the process of developing a building code for precast and prestressed concrete. He has been a Fellow ACI since 2004 and is a member of the American Society of Civil Engineers (ASCE) and the Precast/Prestressed Concrete Institute (PCI).

Seguirant received his BS in civil engineering from Saint Martin’s College, Lacey, WA, in 1978, and his MS in civil engineering from the University of Washington, Seattle, WA, in 1980. He is a licensed professional engineer in Washington.

Personal Awards

HENRY C. TURNER MEDAL

The **Henry C. Turner Medal** was founded in 1927 by Henry C. Turner, Past President, American Concrete Institute. It is awarded for notable achievements in, or service to, the concrete industry.

In making selections for the Turner Medal, the committee is not restricted to members of the Institute nor to the achievements of any particular period. It may be awarded once in any year.

“for his extraordinary efforts in leading the ACI 562-16 Repair Code and his tireless efforts in attending code adoption meetings to facilitate its acceptance by the International Existing Building Code in 2022”



Keith Kesner, FACI, is a Project Director with Simpson Gumpertz & Heger, Inc., New York, NY, USA. He joined Simpson Gumpertz & Heger in 2023 and has 28 years of professional experience. He has authored or co-authored over 150 technical papers and presentations on a variety of engineering topics.

He serves as a Trustee of the ACI Foundation; and is a past Chair and current member of ACI Committee 562, Evaluation, Repair and Rehabilitation of Concrete Structures; and as a member of the ACI Technical Activities Committee; the ACI Codes and Standards Advocacy and Outreach Committee; and ACI Committees 228, Nondestructive Testing of Concrete; 364, Rehabilitation; and ACI Subcommittee 318-C, Safety, Serviceability, and Analysis. He is also a member of the American Society of Civil Engineers (ASCE).

Kesner became a Fellow of ACI in 2007 and received the 1998 ACI Construction Award, the 2005 ACI Young Member Award for Professional Achievement, the 2020 ACI Delmar L. Bloem Distinguished Service Award, and the 2021 ACI Henry L. Kennedy Award.

His research interests include nondestructive testing and the development of methods for evaluation and repair of existing structures.

Kesner received his BSE in civil and environmental engineering from the University of Connecticut, Storrs, CT, USA, in 1992; and his MS and PhD in civil and environmental engineering from Cornell University, Ithaca, NY, in 1998 and 2003, respectively. He is a licensed professional engineer in several states and a licensed structural engineer in Illinois and Hawaii.

Personal Awards

CHARLES S. WHITNEY MEDAL

The **Charles S. Whitney Medal** is presented for Engineering Development, and was founded in 1961 by Ammann and Whitney to honor the memory of Charles S. Whitney. It may be bestowed once in any year for noteworthy engineering development work in concrete design or construction. The recognition may be extended to a firm or agency alone or to an individual.

Any outstanding engineering development work contributing importantly, through development of general engineering practice or through application in specific noteworthy projects, to the advancement of the sciences or arts of concrete design or construction, is eligible.

“for his significant contributions in the development of reliability-based code calibration procedures, development of resistance models for reinforced concrete and prestressed concrete structures, and development of load and load combination models for bridges and buildings. The developed calibration procedures were applied to determine the load and resistance factors in the new generation of design codes, including ACI 318 and AASHTO”



Andrzej S. Nowak, FACI, is Professor and Department Chair of Civil and Environmental Engineering at Auburn University, Auburn, AL, USA, after serving 25 years at the University of Michigan, Ann Arbor, MI, USA, and 8 years at the University of Nebraska–Lincoln, Lincoln, NE, USA.

He is a member of ACI Committees 348, Structural Reliability and Safety, and 380, Structural Plain Concrete, and Joint ACI-ASCE Committee 343, Concrete Bridge Design. He is also a member of the American Society of Civil Engineers (ASCE) and Precast/Prestressed Concrete Institute (PCI) and

has chaired various committees associated with professional organizations including the Transportation Research Board (TRB), the International Association for Bridge and Structural Engineering (IABSE), and the International Association for Bridge Maintenance and Safety (IABMAS).

Nowak has an Honorary Doctoral degree from the Warsaw University of Technology, Warsaw, Poland, and is a Fellow of ACI, ASCE, and IABSE. He received the ASCE Moisseiff Award, International Federation for Information Processing (IFIP) Working Group 7.5 Award, Bene Merentibus Medal, and Casimir Gzowski Medal from the Canadian Society for Civil Engineering (CSCE).

His research interests involve structural reliability and bridge engineering, and his major research accomplishments include the development of a reliability-based calibration procedure for the calculation of load and resistance factors. The procedure was successfully applied to the calibration of the American Association of State Highway and Transportation Officials Load and Resistance Factor Design (AASHTO LRFD) design code for bridges, ACI 318, Canadian Highway Bridge Design Code, and British Standard BS 5400. He has made contributions in the area of bridge diagnostics

Personal Awards

and evaluation, including analytical load models used for the prediction of extreme load events for bridges and buildings and the development of efficient experimental procedures for weigh-in-motion measurement of truck loads, dynamic loads on bridges, and fatigue load spectra. In the area of materials, Nowak has developed a design guide for self-consolidating concrete (SCC), including field applications, and has authored over 450 technical publications.

Nowak received his MS in civil engineering in 1971, and his PhD in structural engineering in 1975, both from the Warsaw University of Technology.

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Personal Awards

ACI CONCRETE SUSTAINABILITY AWARD

ACI Concrete Sustainability Award—Given for demonstration or improvement in concrete’s sustainable attributes through research, design, education, or construction; and/or the use of concrete in innovative ways to contribute to a more sustainable built environment.

“for his visionary research, inspirational teaching, and unwavering commitment to community capacity building that made the sustainability of concrete tangible, quantifiable, and discernable”



Moncef L. Nehdi, FACI, is Professor and Chair of the Department of Civil Engineering at McMaster University, Hamilton, ON, Canada. He has authored or co-authored over 450 technical publications.

He is a past Chair of ACI Committee 555, Concrete with Recycled Materials, and a member of ACI Committees 135, Machine Learning-Informed Construction and Design; 225, Hydraulic Cements; 236, Material Science of Concrete; 238, Workability of Fresh Concrete; 241, Nanotechnology of Concrete; and S803, Faculty Network. He is also Deputy Chair

of RILEM’s Concrete Data Science Committee.

Nehdi received the 2003 ACI Young Member Award for Professional Achievement. He is a Fellow of ACI, the Canadian Academy of Engineering (CAE), the Engineering Institute of Canada (EIC), the Canadian Society for Civil Engineering (CSCE), and the Asia Pacific Artificial Intelligence Association (AAIA).

His research interests include sustainability and net-zero construction, artificial intelligence, durability and repair, and innovative cement-based composites.

Nehdi received his BAsC from Université Laval, Québec City, QC, Canada, in 1991; his MASc from Université de Sherbrooke, Sherbrooke, QC, in 1993; and his PhD from The University of British Columbia, Vancouver, BC, Canada, in 1998, all in civil engineering. He is a licensed professional engineer in Ontario.

Paper Awards

WASON MEDAL FOR MOST MERITORIOUS PAPER

The **Wason Medal for Most Meritorious Paper** was founded in 1917 by Leonard C. Wason, Past President of the Institute, and has been awarded continuously since that date. It is awarded each year to the author or authors of the most meritorious paper published by the Institute.

All original papers presented to the Institute and published by the Institute during the volume year for which the medal is awarded are eligible.

The paper “Moment Transfer at Column-Foundation Connections: Physical Tests,” published in the September 2022 issue of the ACI Structural Journal, pp. 95-110, is awarded the Wason Medal for Most Meritorious Paper



ACI member **Benjamin Worsfold** is an Assistant Professor in the Department of Civil, Environmental, and Geo-Engineering at the University of Minnesota, Minneapolis, MN, USA, as of fall 2023.

He is a member of ACI Subcommittee 318-IR, Resolution of Anchorage and Development Provisions, and the American Society of Civil Engineers (ASCE). His research interests include anchoring to concrete, laboratory testing, and finite element analysis of reinforced concrete.

Worsfold received his BS in civil engineering from the University of Costa Rica, San Pedro, Costa Rica, in 2015, and his MS and PhD from the University of California, Berkeley, Berkeley, CA, USA, in 2017 and 2022, respectively. He is a licensed professional engineer in California and Costa Rica.



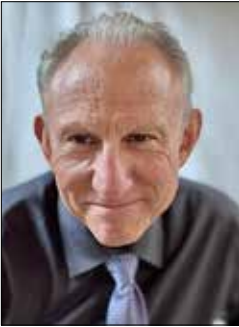
ACI Honorary Member **Jack P. Moehle** is a Professor of the Graduate School in the Department of Civil and Environmental Engineering at the University of California, Berkeley, Berkeley, CA, USA, where he has worked since 1980. In 2021, he joined the National Institute of Standards and Technology as a Research Civil Engineer in the investigation of the collapse of Champlain Towers South in Surfside, FL, USA.

Moehle received the 2019 ACI Joe W. Kelly Award, the 2008 ACI Foundation Arthur J. Boase Award, the 2007 ACI Chester Paul Siess Award for Excellence in Structural Research, the 2001 ACI Delmar L. Bloem Distinguished Service Award, and the 1998 ACI Alfred E. Lindau Award.

He has been engaged in ACI technical committee work since 1984. He was Chair of ACI Committee 318, Structural Concrete Building Code, for the ACI 318-19 code cycle. He has also served as a member of the ACI Board of Direction and the Technical Activities Committee.

Paper Awards

Moehle's research interests include structural engineering, structural concrete, and earthquake engineering. He also has a strong interest and record in the development of professional design guidance.



John F. Silva, FACI, is a Senior Director for Codes and Standards with Hilti AG. Following his graduate studies at the University of Stuttgart, Stuttgart, Germany, he worked as a Design Engineer with Degenkolb Associates and as a Project Manager for John A. Blume and Associates, during which time he was engaged in the seismic strengthening of several monumental structures in San Francisco, CA, USA. In 1994, he took a position with Hilti AG in Europe as a Senior Research Engineer before moving to his current position.

Silva is Chair of ACI Subcommittees 318-1R, Resolution of Anchorage and Development Provisions, and 349-C, Nuclear Structures-Anchorage. He also serves as a member of ACI Committees 349, Concrete Nuclear Structures, and 355, Anchorage to Concrete; Joint ACI-ASCE Committee 408, Bond and Development of Steel Reinforcement; and ACI Subcommittee 318-B, Anchorage and Reinforcement. In addition to his activities with ACI, he has served on numerous committees addressing seismic design and anchorage and has conducted earthquake reconnaissance following major earthquakes in California, Chile, New Zealand, Japan, and Haiti. He is a member of the Provisions Update Committee for the 2026 NEHRP Provisions and the Seismic Subcommittee of ASCE 7-28 Committee.

Silva is a Fellow of the Structural Engineering Institute (SEI) of the American Society of Civil Engineers (ASCE).

He has authored or co-authored numerous technical papers and reports on anchorage and seismic design. Silva is a co-author with Rolf Eligehausen and Rainer Malleé of the book *Anchorage in Concrete Construction*.

He received his degree in architectural engineering from California Polytechnic State University, San Luis Obispo, CA, and his MS from the University of California, Berkeley, School of Structural Engineering and Structural Mechanics, Berkeley, CA, in 1981. He is a licensed structural engineer in California.

Paper Awards

ACI CONCRETE INTERNATIONAL AWARD

The **ACI Concrete International Award** may be bestowed on the author(s) of articles published by *Concrete International* magazine that clearly exemplifies knowledge needed to use concrete effectively to meet the demands of a changing world. Peer review is not required.

The paper “Reinforcement Congestion in Cast-in-Place Concrete” in the December 2022 issue of Concrete International, pp. 49-59, is awarded the ACI Concrete International Award



ACI member **James E. Klinger** is a Concrete Construction Specialist for the American Society of Concrete Contractors (ASCC), St. Louis, MO, USA. He is also a freelance writer and spent several years contributing to the Pacifica Tribune newspaper, Pacifica, CA, USA, reporting on small-town politics, sport fishing, and commercial fishing.

Klinger is a member of the ACI Construction Liaison Committee; ACI Committee 134, Concrete Constructability; Joint ACI-ASCC Committee 117, Tolerances; and ACI Subcommittee 318-A, General, Concrete, and Construction. He is also a member of the American Society of Civil Engineers (ASCE), The Concrete Society (UK), ASTM International, and serves on the ASCC Technical Committee.

Klinger has worked in concrete construction since 1979, has authored or co-authored 14 technical papers and reports, and contributed to six “Concrete Q&A” columns in *Concrete International*. He received the 2020 ACI Construction Award and the 2022 ACI Roger H. Corbetta Concrete Constructor Award. In 1996, he received the award for Best Newspaper Column and was named Writer of the Year by the Outdoor Writers Association of California (OWAC).

His research interests include structural concrete building construction, the history of concrete, forensic engineering, and construction defect investigations.

Klinger received his BA in government and politics (pre-law) in 1979, and his MS in structural engineering in 1988, both from the University of Maryland, College Park, MD, USA.



Oscar R. Antommattei, FACI, is the Chief Concrete Engineer and Materials Engineering Manager with Kiewit Corporation, Lone Tree, CO, USA. He leads Kiewit’s engineering technical services for concrete—from design to production and construction. Prior to joining Kiewit in 2012, Antommattei worked for a world-recognized concrete producer, a general contractor, and a leading engineering firm managing projects in the United States, Canada, Mexico, and Puerto Rico.

Paper Awards

Antommattei is a member of the ACI Technical Activities Committee, Fellows Nomination Committee, and the ACI Foundation Concrete Innovation Council. He is a member of ACI Committees 134, Concrete Constructability; 201, Durability of Concrete; 207, Mass and Thermally Controlled Concrete; 231, Properties of Concrete at Early Ages; 305, Hot Weather Concreting; 308, Curing Concrete; 321, Concrete Durability Code; and 323, Low-Carbon Concrete Code; and ACI Subcommittee 301-H, Mass Concrete. He has served as Director of the ACI Central Texas Chapter and is a member of the ACI Rocky Mountain Chapter. Antommattei also serves on other industry technical committees of ASTM International, American Society of Civil Engineers (ASCE), Canadian Standards Association (CSA), American Society of Concrete Contractors (ASCC), and Transportation Research Board (TRB).

During his 22 years of industry experience, Antommattei has facilitated over 100 technical presentations across the United States, Canada, Mexico, Puerto Rico, and Australia. Antommattei's publications have focused on concrete maturity, durability, hot weather, constructability, mass concrete, and architectural green concrete. In 2009, the ASCE Texas Section recognized his work on architectural green concrete. In 2019, *Concrete Construction* magazine recognized him as a "consensus builder" when he was selected as one of the "Most Influential People in Concrete Construction."

Antommattei received his BS in civil engineering from the University of Puerto Rico at Mayagüez, Puerto Rico, in 2002, and his MS in civil engineering from Clemson University, Clemson, SC, USA, in 2005. He is a licensed professional engineer in multiple states.



ACI member **Aron Csont** is a Project Director at Barton Malow Company, Southfield, MI, USA. He has spent his entire 22-year career with Barton Malow, starting out as a Union Carpenter Apprentice and working through the ranks of Superintendent and Project Management to his role as Project Director. He has supervised and managed large complex structural concrete projects in the energy, industrial manufacturing, and commercial markets.

Csont is a member of ACI Committees E703, Concrete Construction Practices; 134, Concrete Constructability; and Joint ACI-ASCC Committee 117, Tolerances. He is also a member of the American Society of Concrete Contractors (ASCC).

Paper Awards



Trevor Prater is the Project Executive of Swinerton Builder's Northern California Concrete Division.

He is a member of the American Society of Concrete Contractors (ASCC) Constructability Committee and a member of the ACI Northern California and Western Nevada Chapter.

Prater received his BA from the University of California, Santa Cruz, Santa Cruz, CA, USA, in 2008, and his MS in concrete construction management from Chico State University, Chico, CA, in 2012. He is an alumni and Patron member of Chico State's Concrete Industry Management program.



ACI member **Michael Damme** has been in the construction industry since 2006. He has worked with Sundt Construction for nearly 18 years and is a Construction Manager and General Superintendent for their Concrete Division. He is a third-generation journeyman carpenter and has a passion for mentoring and teaching that he demonstrates by leading a course for Sundt's in-house Concrete Foreman Development Program.

Damme serves on various ACI committees and is a National Center for Construction Education and Research (NCCER) certified instructor and trainer. He is also a member of the

American Society of Concrete Contractors (ASCC) Constructability Committee.

In 2009, he won the Associated General Contractors of America (AGC) Outstanding Apprenticeship Award.



Bruce A. Suprenant, FACI, recently retired as the Technical Director of the American Society of Concrete Contractors (ASCC) located in St. Louis, MO, USA. He has authored or co-authored more than 50 technical papers in ACI publications.

Suprenant is Vice Chair of Joint ACI-ASCC Committee 117, Tolerances; a past Chair of the TAC Construction Standards Committee (TCSC); a member of ACI Committee 302, Construction of Concrete Floors; and a former member of the ACI Technical Activities Committee (TAC).

He received the 2010 ACI Roger H. Corbetta Constructor Award, the 2011 ACI Construction Award as co-author of "Effect of Post-tensioning on Tolerances," the 2013 ACI Certification Award, the 2020 ACI Construction Award as co-author of "Constructability of Embedded Steel Plates in Cast-in-Place Concrete," the 2021 Arthur R. Anderson Medal, and the 2022 ACI *Concrete International* Award as co-author of "Establishing Thickness Tolerances for Parking Lot Slabs." He is certified as a Construction Contract Administrator and a Construction Specifier by the Construction Specification Institute (CSI).

Paper Awards

Suprenant received his BS in construction from Bradley University, Peoria, IL, USA, in 1974; his MS in structural engineering from the University of Illinois at Urbana-Champaign, Urbana, IL, in 1975; and his PhD in civil engineering from Montana State University, Bozeman, MT, USA, in 1983. He is a licensed professional engineer in California and Florida.

Paper Awards

ACI SYMPOSIUM VOLUMES AWARD

The ACI Symposium Volume Award is given to the author or authors of the best overall article published in an ACI Symposium Volume that year.

The paper “Diagnostic Load Testing and Refined Analysis of Concrete Box Culverts” in SP-352-07, May 2022, pp. 91-115, is awarded the ACI Symposium Volumes Award



ACI member **Amir Gheitasi** is a Senior Bridge Engineer with Parsons based in Baltimore, MD, USA. He has a diverse engineering background with experience in analysis, design, and evaluation of complex bridges and highway structures.

Gheitasi is a member of ACI Committee 342, Evaluation of Concrete Bridges and Bridge Elements, and Joint ACI-ASCE Committee 343, Concrete Bridge Design. He is also a member of Transportation Research Board (TRB) Committee AKT60, Bridge Preservation, and a member and committee research coordinator for TRB Committee AKT40, Structures Maintenance.

Gheitasi is also a member of the American Society of Civil Engineers (ASCE).

His research interests include performance evaluation of in-service bridges, bridge load rating, computational mechanics and refined analysis, and bridge asset management.

Gheitasi received his BSc and MSc in civil engineering from Amirkabir University of Technology, Tehran, Iran, in 2006 and 2008, respectively, and his PhD in civil/structural engineering from the University of Virginia, Charlottesville, VA, USA, in 2014. He is a licensed professional engineer in California and Virginia.



Christopher R. Gentz is the Director of Operations at Oliver Construction Enterprises in Bordentown, NJ, USA. Gentz has served in this role since December 2022 and previously was a Senior Bridge Evaluation Engineer in the Complex Bridge group at WSP based in Lawrenceville, NJ. In his role at WSP, he was responsible for instrumenting, load testing, and analyzing various structures throughout the country to help owners better understand their assets to make well-informed decisions.

He received his BS in civil engineering from Rutgers University, New Brunswick, NJ, in 2012, and is a licensed professional engineer in New Jersey.

Paper Awards



ACI member **Andrew Foden** is an Associate Vice President and National Practice Consultant with HNTB, based in Princeton, NJ, USA. Foden's 27-year career has focused on bridge design, technology, high-performance materials, and advanced bridge assessment and management systems. He has extensive experience with advanced nondestructive evaluation and testing methods for bridge evaluation to provide data-driven decisions and has overseen the instrumentation, load testing, and monitoring of bridges across the country. He is a leader in accelerated bridge construction, particularly in prefabricated

bridge elements. Foden also serves as a subject matter expert for the Federal Highway Administration (FHWA) on the use of ultra-high-performance concrete as part of its Every-Day Counts program.

He has authored or co-authored over 50 technical papers and reports and delivered countless presentations at industry conferences and events. Foden is Chair of Joint ACI-ASCE Committee 343, Concrete Bridge Design; Secretary of ACI Committee 345, Bridge Construction and Preservation; and a member of ACI Committee 342, Evaluation of Concrete Bridges and Bridge Elements, and ACI Subcommittee 239-E, Education and Outreach.

His research interests include ultra-high-performance concrete, accelerated bridge construction, bridge preservation and repair, structural health monitoring, and nondestructive testing and evaluation.

He was the recipient of the 2016 Rutgers Distinguished Engineer Award.

Foden received his BS in civil engineering in 1994 and his PhD in structural engineering in 1999 from Rutgers University, New Brunswick, NJ. He is a licensed professional engineer in New Jersey, New York, and Pennsylvania.



Biniam Aregawi is a Bridge and Hydraulics Section Manager at the Austin District of the Texas Department of Transportation (TxDOT) and also serves as a Lecturer at The University of Texas (UT) at Austin, Austin, TX, USA. In his role at TxDOT, he is responsible for overseeing the bridge design, maintenance, inspection, and hydraulics functions within the district. At UT Austin, Aregawi teaches classes, including regular concrete design, advanced concrete design, and steel design.

His research interests include load testing of bridges, nondestructive testing, and corrosion mitigation. Aregawi received his BSc in civil engineering from Addis Ababa University, Addis Ababa, Ethiopia, in 2006, and his MS in civil engineering from Lawrence Technological University, Southfield, MI, USA, in 2012. He is a licensed professional engineer in Texas.

Paper Awards

METE A. SOZEN AWARD FOR EXCELLENCE IN STRUCTURAL RESEARCH

The **Mete A. Sozen Award for Excellence in Structural Research** may be bestowed on the author(s) of a peer-reviewed *Structural Journal* paper published by the Institute that describes a notable achievement in experimental or analytical research that advances the theory or practice of structural engineering and, most importantly, recommends how the research can be applied to design.

The paper “Strength Reduction Factors for ACI 318 Strut-and-Tie Method for Deep Beams,” published in the March 2022 issue of the ACI Structural Journal, pp. 103-112, is awarded the Mete A. Sozen Award for Excellence in Structural Research



ACI member **Víctor Aguilar Vidal** is an Assistant Professor at the Facultad de Ingeniería, Arquitectura y Diseño at the Universidad San Sebastián, Concepción, Chile, a position he has held since 2020.

Aguilar Vidal has collaborated in ACI Committee 348, Structural Reliability and Safety, and Joint ACI-ASCE Committee 445, Shear and Torsion. He is also a member of Transportation Research Board (TRB) Committee AKG70, Foundations of Bridges and Other Structures, as well as the Chilean NCh430 Code Committee on Reinforced Concrete Design.

His research interests include structural reliability, foundation engineering, concrete and masonry design, bridge live load, and structural strengthening. He also has research experience through former positions at the Virginia Tech Transportation Institute and the Advanced Structural Engineering Laboratory at Auburn University. He has authored or co-authored over 30 research papers and technical reports.

Aguilar Vidal received his BS in civil engineering from the Universidad Austral de Chile, Valdivia, Chile, in 2013, and his MSc and PhD in civil engineering from Auburn University in 2018 and 2020, respectively.



Robert W. Barnes, FACI, is Brasfield and Gorrie Professor (Structural) in the Department of Civil and Environmental Engineering at Auburn University, Auburn, AL, USA, where he has been a faculty member for 24 years. He has coordinated the department’s undergraduate program since 2012.

Barnes is Secretary of ACI Subcommittee 318-P, Precast and Prestressed Concrete; a member and past Secretary of Joint ACI-ASCE Committee 445, Shear and Torsion; and a member of Joint ACI-PCI Committee 319, Precast Structural Concrete Code, and Joint ACI-ASCE Committees 408, Bond and Development of Steel Reinforcement, and 423, Prestressed Concrete. He is also a member of the American Society of Civil Engineers (ASCE) and its T.Y. Lin Award

Paper Awards

Subcommittee, as well as a member of Precast/Prestressed Concrete Institute (PCI).

Barnes was named a Fellow of ACI in 2010, and is a co-recipient of the 2005 ACI Chester Paul Siess Award for Excellence in Structural Research.

His research interests include structural concrete behavior and design, recently focusing on the structural reliability of shear-critical regions, rating of segmental bridges, and the implementation of welded-wire shear reinforcement.

Barnes received his bachelor's degree in civil engineering from the Georgia Institute of Technology, Atlanta, GA, USA, in 1993, and his master's degree and doctorate in civil engineering from The University of Texas at Austin, Austin, TX, USA, in 1996 and 2000, respectively. He is a licensed professional engineer in Alabama.



Andrzej S. Nowak, FACI, is Professor and Department Chair of Civil and Environmental Engineering at Auburn University, Auburn, AL, USA, after serving 25 years at the University of Michigan, Ann Arbor, MI, USA, and 8 years at the University of Nebraska–Lincoln, Lincoln, NE, USA.

He is a member of ACI Committees 348, Structural Reliability and Safety, and 380, Structural Plain Concrete, and Joint ACI-ASCE Committee 343, Concrete Bridge Design. He is also a member of the American Society of Civil Engineers (ASCE) and Precast/Prestressed Concrete Institute (PCI) and has chaired various committees associated with professional organizations including the Transportation Research Board (TRB), the International Association for Bridge and Structural Engineering (IABSE), and the International Association for Bridge Maintenance and Safety (IABMAS).

Nowak has an Honorary Doctoral degree from the Warsaw University of Technology, Warsaw, Poland, and is a Fellow of ACI, ASCE, and IABSE. He received the ASCE Moisseiff Award, International Federation for Information Processing (IFIP) Working Group 7.5 Award, Bene Merentibus Medal, and the Casimir Gzowski Medal from the Canadian Society for Civil Engineering (CSCE).

His research interests include structural reliability and bridge engineering, and his major research accomplishments include the development of a reliability-based calibration procedure for the calculation of load and resistance factors. The procedure was successfully applied to the calibration of the American Association of State Highway and Transportation Officials Load and Resistance Factor Design (AASHTO LRFD) design code for bridges, ACI 318, the Canadian Highway Bridge Design Code, and British Standard BS 5400. He has made contributions in the area of bridge diagnostics and evaluation, including analytical load models used for the prediction of extreme load events for bridges and buildings and the development of efficient experimental procedures for weigh-in-motion measurement of truck loads, dynamic loads on bridges, and fatigue load spectra. In the area of materials, Nowak has developed a design guide for self-consolidating concrete (SCC), including field applications, and has authored over 450 technical publications.

Nowak received his MS in civil engineering in 1971, and his PhD in structural engineering in 1975, both from the Warsaw University of Technology.

Paper Awards

WASON MEDAL FOR MATERIALS RESEARCH

The Wason Medal for Materials Research may be bestowed on the author(s) of a peer-reviewed Materials Journal paper published by the Institute that makes extraordinary contributions or impact on the state of knowledge of cement-based materials used in the construction industry.

The paper “Effect of Slag Characteristics on Adiabatic Temperature Rise of Blended Concrete,” published in the January 2022 issue of the ACI Materials Journal, pp. 117-131, is awarded the Wason Medal for Materials Research



ACI member **Hai Zhu** is a Postdoctoral Research Associate in the Department of Civil, Construction, and Environmental Engineering at The University of Alabama (UA), Tuscaloosa, AL, USA.

He is also a member of the American Society of Civil Engineers (ASCE).

His research interests include supplementary cementitious materials, concrete durability, carbon conversion technology, and carbon-negative concrete.

Zhu received his BS and MS in civil engineering from Southwest Jiaotong University, Chengdu, Sichuan, China, in 2014 and 2017, respectively, and his PhD in civil engineering from the University of South Florida, Tampa, FL, USA, in 2023.



Dhanushika Gunatilake Mapa is an Assistant Project Engineer at Ardaman & Associates, Inc. Prior to this role, she worked as a Postdoctoral Research Scholar for 2 years at the University of South Florida, Tampa, FL, USA. With several years of extensive research experience, she has authored or co-authored over 15 technical papers and reports.

Her research interests include concrete technology, pavement engineering, and the durability of cementitious systems.

She received her BSc and MSc in civil engineering from the University of Moratuwa, Moratuwa, Sri Lanka, in 2013 and 2014, respectively, and her PhD in civil engineering from the University of South Florida in 2019.

Paper Awards



ACI member **Catherine Lucero** is a Civil Engineer at the U.S. Bureau of Reclamation's Concrete and Structural Laboratory in Denver, CO, USA. She has 9 years of experience in concrete laboratory testing.

She is a member of the ACI Student and Young Professional Activities Committee (SYPAC) and ACI Committees 207, Mass and Thermally Controlled Concrete; 232, Fly Ash and Bottom Ash in Concrete; and 233, Ground Slag in Concrete.

Lucero received the 2021 ACI Young Member Award for Professional Achievement.

Her research interests include design of mass concrete mixtures, mass concrete construction, and the use of supplementary cementitious materials to increase durability.

She received her BS in civil engineering from The University of New Mexico, Albuquerque, NM, USA, in 2013, and her MS in civil engineering from Purdue University, West Lafayette, IN, USA, in 2015.



Kyle A. Riding, FACI, is a Professor of civil and coastal engineering at the University of Florida, Gainesville, FL, USA.

He is Chair of ACI Committee 231, Properties of Concrete at Early Ages, and is a member of ACI Committees S804, Walter P. Moore Award Committee; 201, Durability of Concrete; 207, Mass and Thermally Controlled Concrete; and 236, Material Science of Concrete; and ACI Subcommittee 318-A, General, Concrete, and Construction. He is also a member of the American Society of Civil Engineers (ASCE) and the Precast/Prestressed Concrete Institute (PCI).

He was awarded the 2011 ACI Wason Medal for Materials Research and the 2013 ACI Young Member Award for Professional Achievement.

His research interests include concrete durability, ultra-high-performance concrete, and low-carbon cementitious systems.

Riding received his BS from Brigham Young University, Provo, UT, USA, in 2002, and his MSE and PhD in civil engineering from The University of Texas at Austin, Austin, TX, USA, in 2004 and 2007, respectively. He is a licensed professional engineer in Florida, Kansas, and Nebraska.

Paper Awards



ACI member **Ablah Zayed** joined the Department of Civil and Environmental Engineering at the University of South Florida, Tampa, FL, USA, in 1987, where she is a Professor in Structures and Materials. In 1990, and during her appointment at the University of South Florida, she was a Visiting Scholar at the University of California, Berkeley, Berkeley, CA, USA (hosted by Paulo Monteiro and P.K. Mehta and sponsored by a Career Advancement Award from the National Science Foundation).

She is a member of ACI Committees S803, Faculty Network; 201, Durability of Concrete; 233, Ground Slag in Concrete; and 236, Material Science of Concrete. Zayed is a past member of ACI Committee S801, Student Competitions. She is also a member of ASTM International Committees C01, Cement, and C09, Concrete and Concrete Aggregates.

Zayed was awarded an appreciation plaque for serving as Chair of the Student Program at the 1994 ACI Fall Convention in Tarpon Springs, FL. She has advised and co-advised more than 50 graduate and undergraduate students and has authored and co-authored more than 80 technical publications and reports.

Her research interests include understanding the relationship between cementitious materials properties, performance, and durability.

She received her BS and MS in materials science and engineering from The American University in Cairo, Cairo, Egypt, and her PhD from North Carolina State University, Raleigh, NC, USA.

Personal Awards

ACI EDUCATION AWARD

ACI Education Award—Recognizes an individual who has made notable contributions to the advancement of initiatives by the ACI Educational Activities Committee (EAC). These initiatives include documents, videos, or other products produced by EAC Committees; seminars; webinars; ACI University courses; and other products and programs developed by EAC or its committees. Notable contributions may be but are not limited to: leadership in the development of products or programs of EAC, significant advancement of or advocacy for the use of EAC products or programs, and contributions to the activities of EAC Committees.

“for his dedication to the advancement of knowledge and understanding of cast-in-place concrete over the past 12 years through leadership roles in the Minnesota Concrete Council, and for being instrumental in coordinating continuing education programs that have had a combined registration total of nearly 25,000 users”



Josh Edwards is the Vice President of Aggregates and Engineering at AVR Inc. & Affiliates in Minneapolis, MN, USA. He is also a Past President and current Treasurer of the Minnesota Concrete Council, a Chapter of ACI.

Edwards is Chair of ACI Subcommittee 211-P, Guide for Selecting Proportions for Pumpable Concrete, and is a member of ACI Committees 211, Proportioning Concrete Mixtures; 213, Lightweight Aggregate and Concrete; 238, Workability of Fresh Concrete; 555, Concrete with Recycled Materials; and C610, Field Technician Certification. He is also a member of the American Society of Civil Engineers (ASCE) and ASTM International.

Edwards received his MS in civil engineering from the University of Minnesota, Minneapolis, MN, in 2006. He is a licensed professional engineer in Minnesota.

Personal Awards

“for his 12 years as Chair of EAC’s Hot Topic Committee, 30 years of participation on numerous technical and Board-level committees, and his efforts to promote ACI programs and documents”



Kirk McDonald, FACI, has over 40 years of experience in the field of concrete and cement technical services. For the first 10 years, he worked for Conrock, CalMat, and RMC Lonestar in Concrete Technical Services, and then for the next 30 years, with Cal Portland in Cement Technical Services before retiring in 2021.

McDonald was elected a Fellow of ACI in March 2018. He is a past Chair and member of the Hot Topic Committee, as well as a member of the previous Convention Committee and ACI Committees 201, Durability of Concrete; 225, Hydraulic

Cements; and 240, Pozzolans.

McDonald completed high school in Fontana, CA, USA, and took specific college courses related to his work, as well as many technical courses throughout his career.