



VIRTUAL  
**CONCRETE  
CONVENTION**



**2021 Awards Program**  
**March 28 - April 1, 2021**



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# 2021 Listing of Awardees

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

## HONORARY MEMBERSHIP

Anne M. Ellis  
William L. Gamble  
Kenneth D. Hansen

Venkataswamy Ramakrishnan  
Sami Rizkalla  
Gajanan Mahadeo Sabnis

## 50-YEAR MEMBERSHIP

Edward J. Barwicki  
Attila A. Bodo  
Nicholas J. Carino  
Douglas W. Deno  
Vasant Kumar Hariani  
James R. Harris

Michael M. Kimura  
T. E. Northup  
H. Celik Ozyildirim  
James S. Pierce  
Todd Rutenbeck  
Surinder Singh

David Taubman  
Larry E. Whaley  
Joseph F. Whitaker  
James K. Wight  
Albert Y. C. Wong

## FELLOWS

Asit N. Baxi  
Randal M. Beard  
Bryan M. Birdwell  
Matthew Dominick  
D'Ambrosia  
Jonathan E. Dongell

Raafat El-Hacha  
William Patrick Gaspar  
Douglas D. Gremel  
Anthony (Tony) Johnson  
J. Scott Keim  
Michael J. Marchese

Patrick F. O'Brien  
David Tepke  
Daniel B. Toon  
Edward J. Ulrich Jr.  
Fouad H. Yazbeck

## PERSONAL AWARDS

### ARTHUR R. ANDERSON MEDAL

Bruce A. Suprenant

### ROGER H. CORBETTA CONCRETE CONSTRUCTOR AWARD

Steve Lloyd

### JOE W. KELLY AWARD

Heather J. Brown

### HENRY L. KENNEDY AWARD

Keith Kesner

### ALFRED E. LINDAU AWARD

Dominic J. Kelly

### HENRY C. TURNER MEDAL

Baker Concrete Construction

### CHARLES S. WHITNEY MEDAL

Barzin Mobasher

### CEDRIC WILLSON LIGHTWEIGHT AGGREGATE CONCRETE AWARD

Carin Roberts-Wollmann

# 2021 Listing of Awardees

## **ACI CONCRETE SUSTAINABILITY AWARD**

David Shepherd

## **ACI STRATEGIC ADVANCEMENT AWARD**

William E. Rushing Jr.

## **ACI CERTIFICATION AWARD**

Dawn Miller • Xiomara Sapon-Roldan • Peter Stamatopoulos

## **ACI YOUNG MEMBER AWARD FOR PROFESSIONAL ACHIEVEMENT**

Ashlee Hossack • Samhar Hoz • Catherine Lucero

## **PAPER AWARDS**

### **WASON MEDAL FOR MOST MERITORIOUS PAPER**

Nawaf K. Alotaibi • Wassim Michel Ghannoum • James O. Jirsa

### **ACI CONSTRUCTION AWARD**

Julio F. Davalos • Marija Krstic

### **WASON MEDAL FOR MATERIALS RESEARCH**

Leo Barclay • Mervyn J. Kowalsky

## **METE A. SOZEN AWARD FOR EXCELLENCE IN STRUCTURAL RESEARCH**

Carlos Meléndez • Luis Pallarés • Juan Sagaseta • Pedro F. Miguel Sosa

## **ACI DESIGN AWARD**

Issam Harik • Abheetha Peiris

## **SERVICE AWARDS**

### **DELMAR L. BLOEM DISTINGUISHED SERVICE AWARD**

Liberato Ferrara • Devin K. Harris • Marc Jolin • Eric Musselman • Anton K. Schindler

### **ACI EDUCATION AWARD**

Ronald Vaughn

### **CHAPTER ACTIVITIES AWARD**

Katie Bartojay • Christian R. Orozco • Kyle Adam Poff • Roberto Realfonzo

### **WALTER P. MOORE, JR. FACULTY ACHIEVEMENT AWARD**

Anahid Behrouzi

## **ACI FOUNDATION AWARDS**

### **ARTHUR J. BOASE AWARD**

Antonio Nanni

### **J.C. ROUMAIN INNOVATION IN CONCRETE AWARD**

Claude Bédard

### **ROBERT E. PHILLEO AWARD**

Michael D.A. Thomas

### **KNOWLEDGE TO PRACTICE AWARD**

Michael J. Schneider

## Honorary Members

*Honorary membership—  
The Institute’s highest honor  
recognizes persons “of  
eminence in the field of the  
Institute’s interest, or one  
who has performed  
extraordinary meritorious  
service to the Institute.”  
(Bylaws, Article II, Section 2.)  
Established in 1926, 266 have  
been elected to this position.*

## Honorary Members

*“for her lifetime dedication to local and global outreach for the concrete industry, and her passionate efforts to inspire women to pursue careers in engineering and construction as well as membership in ACI”*



**Anne M. Ellis**, FACI, is the Executive Director of the Charles Pankow Foundation, McLean, VA, USA. Additionally, she serves on the Board of Directors of GEI Consultants, Inc., a technical consulting services firm, and Alpha Corporation, a woman-owned multidisciplinary construction consulting firm. Ellis began her career in structural engineering at a four-person office, followed by project management positions with consulting engineering companies and program management positions at the National Ready Mixed Concrete Association and Portland Cement Association. Over the next 15 years, she held enterprise-wide positions

addressing growth and business transformation at Earth Tech, Inc. and AECOM.

Ellis served as ACI President in 2013-2014. She was named one of the Most Influential People in Concrete Construction in 2013 by *Concrete Construction* and received the ACI Strategic Advancement Award in 2020. Currently, she serves on ACI Committee 375, Performance-Based Design of Concrete Buildings for Wind Loads, and the ACI Foundation Concrete Research Council. She formerly served on the ACI Executive Committee, Board of Direction, Financial Advisory Committee, Honors and Awards Committee, Marketing Committee, Membership Committee, International Project Awards Committee, ISO-TC 71 Advisory Committee, and Standards Board. Additionally, she is a past member of ACI Committees 332, Residential Concrete Work; 551, Tilt-Up Concrete Construction; and C650, Tilt-Up Constructor Certification. She moderates the ACI Innovation in Concrete Construction Webinar series on ACI University. Ellis also co-authored the “Concrete Design and Construction” section of the *Standard Handbook for Civil Engineers*, fifth edition.

An advocate for industry advancement, Ellis served by appointment of five different U.S. cabinet secretaries to their federal advisory committees on matters of energy and trade policy. She serves on the Board of Directors of the National Institute of Building Sciences, Building Seismic Safety Council, Structural Engineering Institute Futures Fund, and the Challenger Center. Ellis also serves on the American Society of Civil Engineers (ASCE) Industry Leaders Council and is a Fellow of ASCE. She served as ASCE National Concrete Canoe Competition judge in 2004, 2005, and 2012.

Ellis received her BS in civil engineering in 1980 from Virginia Tech, Blacksburg, VA, USA, and was inducted into the Via Department of Civil and Environmental Engineering Academy of Distinguished Alumni in 2007 and the Virginia Tech Academy of Engineering Excellence in 2013. She has been a licensed professional engineer in the Commonwealth of Virginia since 1984.

## Honorary Members

*“for lifetime achievements in teaching, structural engineering, and contributions to ACI, particularly in the analysis and design of buildings, bridges, and tunnel systems”*



**William L. Gamble**, FACI, is Professor Emeritus of the Department of Civil and Environmental Engineering at the University of Illinois at Urbana-Champaign, Urbana, IL, USA, serving from 1963 until 2003. He is a current member and past Chair of the following: Joint ACI-TMS Committee 216, Fire Resistance and Fire Protection of Structures; Joint ACI-ASCE Committee 421, Design of Reinforced Concrete Slabs; and ACI Committee 543, Concrete Piles. He is also a member of Joint ACI-ASCE Committee 423, Prestressed Concrete, and ASTM International Subcommittee A01.05, Steel Reinforcement. Gamble is a past member of the Awards

for Papers Committee, Fellows Nominating Committee, and the Committee on Nominations, as well as ACI Subcommittees 318-C, Safety, Serviceability, and Analysis; 318-DR, Flexure and Axial Loads; and 318-F, Foundations.

Gamble is a licensed structural engineer in the State of Illinois. He has taught five different undergraduate and graduate courses in reinforced and prestressed concrete, plus a course on the fire resistance of structures. He is co-author (with Robert Park of New Zealand) of *Reinforced Concrete Slabs*, second edition. He is a Life Member of the American Society of Civil Engineers and the Precast/Prestressed Concrete Institute, and he is a member of ASTM International. Gamble was a Fulbright Fellow in Australia in 1962-1963.

Gamble received his BS from Kansas State University, Manhattan, KS, USA, in 1959; and his MS and PhD in civil engineering from the University of Illinois at Urbana-Champaign in 1961 and 1962, respectively.

## Honorary Members

*“for lifetime achievements and contributions to ACI and the concrete industry, particularly in the area of roller-compacted concrete (RCC) dam design and dam rehabilitation”*



**Kenneth D. Hansen**, FACI, is an individual consultant, specializing in roller-compacted concrete (RCC), concrete, and soil-cement applications in dams. He has been a member of ACI since 1960 and currently serves on ACI Committees 207, Mass and Thermally Controlled Concrete (past Chair), and 230, Soil Cement. He is an internationally recognized author, lecturer, and consultant on the use of RCC for new dams and the rehabilitation of existing dams. Prior to establishing his private practice in early 2009, he worked for Schnabel Engineering for nearly 12 years and, prior to that, for the Portland Cement Association for nearly 37 years. His

consulting assignments on RCC, concrete, and soil cement for dams total more than 100 projects in 11 countries.

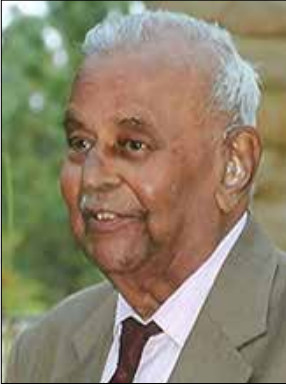
Hansen's honors include being selected as one of the 60 Most Influential People in the Global Hydro and Dams business over the last 60 years by *International Water Power and Dam Construction Magazine* in 2009, being conferred Honorary Membership in the Association of State Dam Safety Officials, and being selected as a Distinguished Engineering Alumnus by the University of New Mexico, Albuquerque, NM, USA. He was recognized by the U.S. Society on Dams with the 2017 Lifetime Achievement Award for 50 years as arguably the most widely recognized author, lecturer, and consultant on RCC in the United States for new dam construction and dam rehabilitation. Hansen is the primary author of the book *Roller Compacted Concrete Dams* and of ICOLD Bulletin 54, "Soil-Cement for Embankment Dams," and he has given approximately 650 talks on RCC and soil cement throughout the United States and internationally.

Hansen received his BS in architectural engineering from the University of New Mexico, Albuquerque, NM, in 1955 and his MS in civil engineering from the University of Colorado, Boulder, CO, USA, in 1961.



## Honorary Members

*“for contributions to both structural and materials engineering through teaching and research for more than 65 years, for extraordinary service to ACI, and for guiding the research of more than 300 MS and PhD students”*



**Venkataswamy Ramakrishnan**, FACI, is a Distinguished Professor Emeritus of Civil Engineering at South Dakota School of Mines and Technology, Rapid City, SD, USA. Ramakrishnan was a Founding Member of the ACI Certification Programs Committee. He also founded the ACI Dakota Chapter and served continuously for 30 years as Secretary, Treasurer, Vice President, and President of the chapter. He is a current member of ACI Committee 544, Fiber Reinforced Concrete, and ACI Subcommittees 544-A, FRC-Production & Applications, and 544-B, FRC-Education. He is a past member of ACI Committee 123, Research

and Current Developments, and past Chair of ACI Committees 214, Evaluation of Results of Tests Used to Determine the Strength of Concrete; 318, Structural Concrete Building Code; 506, Shotcreting; and 522, Pervious Concrete; as well as ACI Subcommittee 318-A, General, Concrete, and Construction.

Ramakrishnan has been involved in extensive research and applications using concrete fiber composites for the past 40 years. He has been a consultant for all major fiber producers (both steel and synthetic). He has authored or co-authored three books and more than 400 papers, of which more than 50 papers were on fiber-reinforced concrete (FRC) and construction with FRC. He has performed numerous FRC research projects and has field experience in construction of FRC structural components. Ramakrishnan also received the ACI Foundation's Robert E. Philleo Award in 2000.

For his substantive contributions to South Dakota School of Mines and Technology research activities in concrete technology and other areas, a new materials laboratory at the university was dedicated as Rama Materials Laboratory in 2002. To recognize the tremendous impact that he has made in advancing higher education and materials research and for his contributions to the state, the governor of South Dakota proclaimed September 29, 2002, to be “Dr. Venkataswamy Ramakrishnan Day.”

Ramakrishnan received his BE in civil engineering and his DSS in social sciences from the University of Madras, Chennai, India, in 1952 and 1954, respectively. He received his Diploma of Imperial College (DIC) in hydropower engineering in 1956 and concrete technology in 1957 from Imperial College, London, UK. In 1960, he received his PhD in civil engineering from the University of London, London, UK.

## Honorary Members

*“for lifetime outstanding achievements in education and research and his pioneering role and long-term dedication to advancing CFRP technology and research”*



**Sami Rizkalla**, FACI, is the Distinguished Professor Emeritus of Civil Engineering and Construction, past Director of the Constructed Facilities Laboratory (CFL), and past Director of the National Science Foundation Industry/University Cooperative Research Center (NSF I/UCRC) Center for the Integration of Composites into Infrastructure (CICI) at North Carolina State University, Raleigh, NC, USA.

He is a current member and past Chair of ACI Committee 440, Fiber-Reinforced Polymer Reinforcement, and a member of ACI Subcommittees 440-F, FRP-Repair-Strengthening; 440-H, FRP-

Reinforced Concrete; and 440-I, FRP-Prestressed Concrete. He is also a current member of Joint ACI-ASCE Committees 423, Prestressed Concrete, and 550, Precast Concrete Structures; and ACI Subcommittee 423-D, Bond and Development in Pretensioned Members. Rizkalla has received numerous awards, including the ACI Foundation Arthur J. Boase Award, the ACI Joe W. Kelly Award, the ACI Chester Paul Siess Award for Excellence in Structural Research, and the ACI Delmar L. Bloem Distinguished Service Award.

He is a past member of the Chapter Activities Committee as well as ACI Committees 318, Structural Concrete Building Code, and 533, Precast Panels; and ACI Subcommittees 318-1P, Precast and Prestressed Concrete, and 440-F, FRP-Repair-Strengthening. He is also the past Director of the ACI Manitoba Chapter.

Rizkalla's research interests include the design, construction, and behavior of reinforced concrete and prestressed concrete structures and bridges. During the last 40 years, his research interests have focused on the use of higher-performance concrete and fiber-reinforced polymer (FRP) materials for the construction, repair, and strengthening of structures and bridges. His current research interests include diagnosis and prognosis of structures and bridges using nondestructive monitoring systems. In addition, he has published and presented hundreds of technical papers on the use of FRP for new construction and strengthening of structures and bridges.

He received his BSc from Alexandria University, Alexandria, Egypt, in 1965, and his MS and PhD from North Carolina State University in 1974 and 1976, respectively.

## Honorary Members

*“for lifetime achievements as an educator, researcher, and consultant working around the world, and his service to ACI through his international work”*



**Gajanan Mahadeo Sabnis**, FACI, is Emeritus Professor at Howard University, Washington, DC. He owned KC Engineering, PC, Construction Management Firm from 1983-1999 and has served as Principal Founder and CEO of a consulting firm, Sabnis, Inc., since 1983. Sabnis, Inc., helps companies procure concrete technologies through exports and imports, with an emphasis on improving access to concrete and infrastructure technologies in India.

Sabnis is a Distinguished (Honorary) Member of the American Society for Civil Engineers (ASCE), the ACI National Capital Chapter, the Indian Concrete Institute, the Institution of Engineers (India), and Association of Consulting Civil Engineers (India). He was an active member of several societies, including ASCE, the Precast/Prestressed Concrete Institute, the American Society for Engineering Education, and the International Concrete Repair Institute before retiring with four decades of service in several important committees. He expanded his professional activities at the international level by developing sections and chapters of ASCE and ACI and by helping increase their international membership.

His service to ACI includes positions as Chair/Secretary/member of many committees, including the Chapter Activities Committee, Educational Activities Committee, International Activities Committee, and Membership Committee; ACI Committees 121, Quality Assurance Systems for Concrete; 369, Seismic Repair and Rehabilitation; 435, Deflection of Concrete Building Structures; 444, Structural Health Monitoring and Instrumentation; and 549, Thin Reinforced Cementitious Products and Ferrocement; Joint ACI-ASCE Committees 335, Composite and Hybrid Structures, and 445, Shear and Torsion; and ACI Subcommittee 318-C, Safety, Serviceability, and Analysis. Sabnis has the special distinction of having served as Chair/Co-Chair on three local convention committees for ACI Concrete Conventions 75 and 100, and 87 years of ACI, held in Washington, DC.

With a passion for concrete, Sabnis built his energy-efficient, award-winning concrete home with recycled construction materials in Silver Spring, MD, USA. The house received national recognition from WJLA-ABC TV. He has published more than 20 books and 100 research papers and is a licensed professional engineer in California and other states.

Sabnis received his BE in civil engineering from the University of Bombay, Mumbai, India, with the James Berkeley Gold Medal in 1961; his MTech from the Indian Institute of Technology Bombay, Mumbai, India, in 1963; and his PhD from Cornell University, Ithaca, NY, USA, in 1967.

## **50-Year Membership Citations**

*Expression of appreciation to members who have contributed to the success of the Institute by maintaining membership for at least 50 years.*

**Edward J. Barwicki**

**Attila A. Bodo**

**Nicholas J. Carino**

**Douglas W. Deno**

**Vasant Kumar Hariani**

**James R. Harris**

**Michael M. Kimura**

**T. E. Northup**

**H. Celik Ozyildirim**

**James S. Pierce**

**Todd Rutenbeck**

**Surinder Singh**

**David Taubman**

**Larry E. Whaley**

**Joseph F. Whitaker**

**James K. Wight**

**Albert Y. C. Wong**

## Fellows

*Fellow—“A Fellow shall be a person who has made outstanding contributions to the production or use of concrete materials, products, and structures in the areas of education, research, development, design, construction, or management.”*

*(Bylaws, Article II, Section 3)*

*Created in 1973, 632 members now hold the position of Fellow. They are recommended by the Fellows Nomination Committee and elected by the Board of Direction.*

## Fellows



**Asit N. Baxi** is President of Baxi Engineering Inc. (BEI) and Global Post-tensioning Solutions (GPT), Houston, TX, USA, both full-service post-tensioned concrete specialty engineering firms with specializations in single-strand unbonded tendons, multistrand bonded tendons, external post-tensioning, pretensioning, and other prestressed concrete applications. He has over 25 years of consulting experience and has designed and/or been in direct supervision of the design and construction of over 1000 post-tensioned high-rise buildings covering more than 100

million ft<sup>2</sup> (93,000 m<sup>2</sup>) and many structural repairs across the United States, Canada, the Caribbean islands, and Aruba. He has been involved as an author and reviewer in developing widely used industry documents on post-tensioning, such as building codes, standards, guides, and specifications, and in the education and training of the next generation of engineers, detailers, and construction personnel through seminars and lectures.

He is actively involved with several ACI committees. He is a member of ACI Committee 131, Building Information Modeling of Concrete Structures; ACI Subcommittees 301-I, Post-Tensioned Concrete - Section 9, and 318-T, Post-Tensioned Concrete; Joint ACI-ASCE Committee 423, Prestressed Concrete; and Joint ACI-ASCE Subcommittee 423-G, Specification for Unbonded Single-Strand Tendon Materials.

He is a Fellow of the Post-Tensioning Institute (PTI) and serves on the following PTI committees: Technical Advisory Board (TAB); Board of Directors; DC-20, Building Design; DC-20A, BIM; DC-25, Parking Structures; and TAB Task Group on Code Change Proposals for ACI 318-T and ACI 320. He has previously served on the PTI Executive Committee. He is also a member of the American Society of Civil Engineers (ASCE) and the Precast/Prestressed Concrete Institute (PCI).

He received his BS from the Maharaja Sayajirao University of Baroda, Vadodara, India; his MS from Kansas State University, Manhattan, KS, USA; and his PhD from The University of Texas at Austin, Austin, TX, USA. He is a licensed professional engineer in Texas, Oklahoma, Louisiana, Tennessee, Alabama, Georgia, South Carolina, and Connecticut.

## Fellows



**Randal M. Beard** is a Principal/Managing Director (Diagnostics) for Walter P Moore & Associates in Orlando, FL, USA. He has over 40 combined years of concrete restoration, engineering, and construction experience. He has been responsible for award-winning projects involving concrete restoration, strengthening and protective system design and construction, forensic investigation, material durability and performance, and use of nondestructive testing.

Beard has been an active member of ACI since 2001. He is a member of many ACI technical committees and the International Concrete Repair Institute (ICRI), and he fills leadership roles in both. He is a member of ACI Committees 364, Rehabilitation, and 562, Evaluation, Repair, and Rehabilitation of Concrete Buildings, along with being a Technical Activities Committee (TAC) document reviewer as requested. Beard was the ICRI national President in 2009; local ICRI chapter President in Denver, CO, USA; named an ICRI Fellow in 2010; and a past Board member of the Concrete Industry Management program. He has been a member of ICRI Committees 310, Surface Preparation, and 510, Corrosion; ICRI Subcommittee 510-B, Corrosion Inhibitors; and TAC.

He received his BSCE in construction engineering from Lawrence Technological University, Southfield, MI, USA, in 1993. Beard's interest in sharing knowledge and supporting a network of like-minded team members and industry professionals has provided him immense satisfaction and achievement.



**Bryan M. Birdwell** of Lakeland, FL, USA, is a Senior Floor and Paving Consultant and a Principal at Structural Services Inc. (SSI). He is well-known in the concrete industry for his expertise in the installation, techniques, and procedures of super-flat, high-tolerance, and decorative floors as well as the typical concrete floor and parking lot installations.

He is Chair of ACI Committee C640, Craftsman Certification; past Secretary of Joint ACI-ASCC Committee 117, Tolerances; and a member of ACI Committees 302, Construction of Concrete Floors; 330, Concrete Parking Lots and Site Paving; 360, Design of Slabs on Ground; and 522, Pervious Concrete. He is also an examiner for ACI's Specialty Commercial/Industrial Concrete Flatwork Finisher/Technician Certification program.

His floor construction and finishing techniques have been recognized by the FACE Company, which awarded him 26 Golden Trowel Awards, and he is a six-time world-record holder for the construction of the flattest, most-level concrete floors in the world, with these records made over the last 20 years. Additionally, in 2018, he

## Fellows

received the Samuel A. Face, Jr. Golden Trowel Award “for outstanding accomplishments in contributions to the art and science of high-quality horizontal concrete construction.” In 2015, he received the ACI Young Member Award for Professional Achievement “for contributions to advancing the quality construction of flat and level concrete floors, and for educating and mentoring colleagues and students.”

He has been an instructor at World of Concrete seminars and SSI’s Concrete College for floor construction, as well as an author of many articles for various concrete publications. He has developed methods and taught techniques of concrete finishing throughout the United States and other locations. He has shown finishers the techniques and skills they need to construct the flattest, most-level concrete floors meeting and exceeding placement specifications. Additionally, he has performed forensics investigations and provided innovative remediation solutions for slab surface issues.



**Matthew Dominick D'Ambrosia** is Principal and Co-Founder of MJ2 Consulting, Cedar Park, TX, USA, where he specializes in solving difficult problems for the concrete construction industry. He teaches instructional courses as an Adjunct Professor in the Department of Civil and Environmental Engineering at Northwestern University, Evanston, IL, USA. D'Ambrosia has over 20 years of experience in concrete materials behavior and research.

He is Chair of ACI Subcommittees 209-C, Models Applicability and Uncertainty, and 562-J, Material; and a member of ACI Committees 209, Creep and Shrinkage in Concrete; 231, Properties of Concrete at Early Ages; 236, Material Science of Concrete; 237, Self-Consolidating Concrete; 239, Ultra-High-Performance Concrete; 318, Structural Concrete Building Code; 329, Performance Criteria for Ready Mixed Concrete; and 564, 3-D Printing with Cementitious Materials; and ACI Subcommittees 318-A, General, Concrete, and Construction, and 349-A, Nuclear Structures-Materials. He also serves on the Committee on Nominations. He is a member of the American Society of Civil Engineers (ASCE) and a member and former Chair of the American Ceramics Society (ACerS) Cements Division.

He received his BS from the University of Iowa, Iowa City, IA, USA, and his MS and PhD from the University of Illinois at Urbana-Champaign, Urbana, IL, USA, all in civil engineering. His research interests include materials optimization for specialized applications, durability-related mechanisms such as volume change and cracking, and new approaches for prediction and verification of service life and sustainability. His expertise includes large infrastructure projects throughout the world, such as tall buildings, bridges, highways, dams, and power plants. He is a licensed professional engineer in 13 states.



## Fellows



**Jonathan E. Dongell** is current Director of Research and Development at Pebble Technologies Inc., Scottsdale, AZ, USA. He is the past Research Director at General Cement and Concrete Technologies, past President of Whitestone Cement Company and Universal White Cement Company, and past owner of Precision Plastering Company and Custom Precision Pools. He has worked in the cement and concrete construction industry for over 40 years.

Dongell is a member and past Chair of ACI Committee 524, Plastering, and a member of ACI Committees 201, Durability of Concrete; 225, Hydraulic Cements; 232, Fly Ash in Concrete; 308, Curing Concrete; 350, Environmental Engineering Concrete Structures; and 506, Shotcreting, as well as the Concrete Research Council. He serves as a member of the Board of Directors and as Chair of the Technical Advisory Committee of the National Plasterer's Council. He is also a member of the Board of Directors of the American Shotcrete Association (ASA). He is a voting member of ASTM Committees C01, Cement, and C09, Concrete and Concrete Aggregates, as well as numerous subcommittees of both.

He received the 2008 ACI Delmar L. Bloem Distinguished Service Award for his service and contribution to the advancement of cement and concrete education. He also received the 2005 National Plasterer's Council Golden Trowel Distinguished Service Award for his authoring of literature and contributions to education.

Dongell is a speaker at various institutions and has written numerous technical papers and articles, has authored several books and guides, and is a technical reviewer of manuscripts for *Concrete International* magazine. He is an inventor of several cementitious materials-related patents. He is a designated expert witness in the areas of water chemistry, cementitious materials, and failures analysis related to concrete materials. He has held both residential and commercial contractor licenses in Arizona and Utah.



**Raafat El-Hacha** is a Professor in the Department of Civil Engineering at the University of Calgary, AB, Canada.

Raafat is former Secretary (2001-2004), former Chair (2004-2013), and current Co-Chair of ACI Subcommittee 440-I, FRP-Prestressed Concrete. He is a member of ACI Committees 239, Ultra-High-Performance Concrete; 437, Strength Evaluation of Existing Concrete Structures; and 440, Fiber-Reinforced Polymer Reinforcement; as well as Joint ACI-ASCE Committees 408, Bond and Development of Steel Reinforcement, and 423, Prestressed Concrete. He is also a member of the Precast/Prestressed Concrete Institute (PCI) and the Post-Tensioning Institute (PTI), a Fellow of the Canadian Society for Civil Engineering

## Fellows

(CSCE), a Fellow of the Engineering Institute of Canada (EIC), and a Fellow of the International Institute for FRP in Construction (IIFC).

He received his BS in civil engineering from Beirut Arab University, Beirut, Lebanon, in 1990; his MS in civil engineering from Concordia University, Montreal, QC, Canada, in 1997; and his PhD in civil engineering from Queen's University, Kingston, ON, Canada, in 2001. He is a licensed professional engineer in the province of Alberta, Canada. His research interests include ultra-high-performance concrete and the use of fiber-reinforced polymers and shape memory alloys in new construction and the retrofitting/strengthening of aging structures. He has also authored and co-authored over 250 technical papers.



**William Patrick Gaspar** is a Principal Engineer and the Branch Manager of ECS Mid-Atlantic in Fredericksburg, VA, USA.

Gaspar has served on the Board of the ACI Virginia Chapter since 2000 and served two terms as President. Currently, he is the Director of Certification for the chapter. During his presidency, he co-chaired the Fall 2014 ACI Concrete Convention. He is a member of ACI Committees 130, Sustainability of Concrete; 302, Construction of Concrete Floors; and 355, Anchorage to Concrete; ACI

Subcommittees 130-A, Materials; 130-B, Production/Transport/Construction; and 130-E, Design/Specifications/Codes/Regulations; Joint ACI-ASCC Committee 310, Decorative Concrete; and Joint ACI-ASCC Subcommittee 310-J, Polished Finishes. He is also a member of the Virginia Initiative Collaborative Design and Certification Task Groups.

He is a certified Adhesive Anchor Installer/Inspector and a working member of the National Council of Structural Engineers. He has 30 years of engineering, design, and construction experience, with 25 of those years as a professional engineer. A 1990 graduate of the Virginia Military Institute, Lexington, VA, USA, he is a veteran of the U.S. Army, where he served both on Active Duty and in the Army Reserve.



**Douglas D. Gremel** is Director of Engineering for Owens Corning Infrastructure, working out of Seward, NE, USA, and serves on the Board of Directors of THiN-Wall, LLC, of Omaha, NE, USA. He founded the Aslan FRP division of Hughes Brothers, Inc, Seward, NE, prior to its acquisition by Owens Corning in 2017 and is responsible for many developments in the field of fiber-reinforced polymer (FRP) reinforcing bars since 1993. He is a Founder of THiN-Wall, LLC, an intellectual property holding company that has licensed a patented insulated sandwich wall panel building

## Fellows

envelope system to precast producers since 2009. He holds patents relating to insulated sandwich wall panel building envelope systems.

Gremel is a member of ACI Committees 332, Residential Structural Work, and 440, Fiber-Reinforced Polymer Reinforcement; and ACI Subcommittees 440-D, Research Development and Applications; 440-E, FRP-Professional Education; 440-F, FRP-Repair-Strengthening; 440-G, FRP-Student Beam Competition; 440-H, FRP-Reinforced Concrete; 440-I, FRP-Prestressed Concrete; 440-K, FRP-Material Characteristics; 440-L, FRP-Durability; and 440-M, FRP-Repair of Masonry Structures. He is active in developing worldwide standards related to FRP in the European *fib* TG5.1 and participates in Canada Standards Association (CSA) S806 and S807 committees. He also serves on ASTM Committee D30, Composite Materials, and was the principal author of multiple ASTM International material standards and test methods for FRP reinforcing and dowel bars. He serves on the Executive Committee of the International Institute for FRP in Construction. He is also a member of the American Composites Manufacturers Association (ACMA) and past Chairman of its FRP Rebar Manufacturers Council.

Gremel received his bachelor's degree in engineering science from Colorado State University, Fort Collins, CO, USA, in 1984.



**Anthony (Tony) Johnson** serves as the Executive Director for the Post-Tensioning Institute (PTI) in Farmington Hills, MI, USA, a position he has held since January 2019.

He has been a member of both ACI and the ACI Greater Michigan Chapter since relocating to the United States from Australia in 1997. He is a member of ACI Committees 332, Residential Concrete Work, and 360, Design of Slabs on Ground; Joint ACI-PTI Committee 320, Post-Tensioned Structural Concrete Code; and Joint ACI-ASCE Committee 423, Prestressed Concrete. He has provided many years of dedicated service to the ACI Greater Michigan Chapter, including serving as its President in 2005, Secretary from 2006 to 2012, and Treasurer from 2013 to 2017. During his time with the ACI Greater Michigan Chapter, Johnson was instrumental in modernizing the chapter's electronic commerce and data management and helped to lead the chapter through ACI Concrete Conventions in Detroit, MI, USA, in 2002 and 2017.

He was recognized by ACI with the 2013 Chapter Activities Award and by the ACI Greater Michigan Chapter with the 2019 Arthur Y. Moy Memorial Award.

He has supported the use of and promoted concrete construction both in Michigan and throughout the United States since 1997. From researching the mitigation of alkali-silica reaction and measurement of entrained-air systems in concrete pavements to the promotion of concrete building structures for the past 13 years, Johnson has shown a passion for advancing the use of concrete as the building material of choice.

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He received his BE (Honors) in civil engineering from the University of Wollongong, Wollongong, Australia, in 1997, and his MBA from the Eli Broad Graduate School of Management at Michigan State University, East Lansing, MI, USA, in 2004.



**J. Scott Keim** is a civil engineer at the Bureau of Reclamation Technical Service Center in Denver, CO, USA. He serves as the Technical Specialist for the Concrete and Structural Laboratory Group and has 28 years of concrete industry experience.

Keim is Chair of ACI Committee 329, Performance Criteria for Ready Mixed Concrete, and a member of ACI Committees 134, Concrete Constructability; 201, Durability of Concrete; 321, Concrete Durability Code; and C610, Field Technician Certification, as well as the Certification Programs Committee (CPC). He is also a past member of the Chapter Activities Committee. He has served two terms as President of the ACI Rocky Mountain Chapter and is a member of the chapter's certification committee. Keim was the Co-Chair for the Fall 2015 ACI Concrete Convention held in Denver, CO. He is also a member of the ACI Foundation's Strategic Development Council (SDC). He is a member of ASTM Committees C01, Cement, and C09, Concrete and Concrete Aggregates, and has served on the American Society of Civil Engineers (ASCE) committees for Civil Engineering Technologist and Concrete and Cementitious Materials. He also served on the International Code Council (ICC) Building Codes Interpretation Committee and the International Building Code (IBC) General Committee for the 2009 code cycle.

He received the 2019 ACI Chapter Activities Award and was the leader in establishing a certification program for the ACI Rocky Mountain Chapter.

He received his BS in civil engineering from Metropolitan State University of Denver, Denver, CO, and is a licensed professional engineer in Colorado.



**Michael J. Marchese** of Lloyd Harbor, NY, USA, is Executive Vice President at Future Tech Consultants of New York, Inc. (FTC). He is a Partner and one of the Founders of FTC. FTC is an A2LA-accredited special inspection agency and provides engineering, special, and progress inspections to owners and owner representatives in New York, New Jersey, Florida, and throughout the United States.

He is Secretary of ACI Committee 306, Cold Weather Concreting, and a member of ACI Committee 207, Mass and Thermally Controlled Concrete, and was involved with the pilot program for ACI Committee C680, Adhesive Anchor Installer Certification.

## Fellows

Marchese has been active for over 20 years with the Concrete Industry Board of New York City ACI Chapter. He has been a member of the chapter's Board of Directors for over 15 years and served as chapter President in 2019 and 2020.

In addition to his responsibilities as an executive of FTC, he has designed and batched numerous concrete mixtures at FTC's in-house laboratory for a wide range of projects for public agencies such as DEP, Port Authority of New York and New Jersey, and School Construction Authority, as well as a myriad of private projects. He is knowledgeable in all types of concrete mixture designs with a specialty in designing high-strength concrete as well as high modulus-of-elasticity mixtures.

Marchese received his BS in electrical engineering in 1991 from Polytechnic University in Brooklyn, NY, USA. He is a licensed professional engineer in the states of New York, Florida, and Texas. His research interests and expertise include the development of concrete mixture proportions, with a specialty in designing high-strength concrete.



**Patrick F. O'Brien** is the Regional Sales Manager for Penetron USA, Inc., residing in Chesterfield, MO, USA. He has worked with Penetron since 2019. O'Brien has been in the concrete materials industry for over 20 years, spending time in positions with Holcim (now LafargeHolcim), Sika, and Breckenridge Material Company before joining Penetron.

He is a member of ACI Committees 201, Durability of Concrete; 212, Chemical Admixtures; 237, Self-Consolidating Concrete; 304, Measuring, Mixing,

Transporting, and Placing Concrete; 309, Consolidation of Concrete; and 560, Design and Construction with Insulating Concrete Forms. O'Brien has been involved in ACI chapter leadership as well, serving as a Board member for the past 16 years in Illinois and then Missouri. He is currently the President of the ACI Missouri Chapter and was President of the ACI Illinois Chapter in 2012.

O'Brien received his BS in civil engineering from the University of Michigan, Ann Arbor, MI, USA, in 1998. He is a licensed professional engineer in Missouri and Illinois and is also a LEED-Accredited Professional. His research interests include concrete durability and sustainability.

## Fellows



**David G. Tepke** is a Senior Engineer and Group Manager at SKA Consulting Engineers, Inc., Charleston, SC, USA.

He is Secretary of ACI Committee 222, Corrosion of Metals in Concrete; a member and former Chair of ACI Committee 329, Performance Criteria for Ready Mixed Concrete; and a member of ACI Committees 201, Durability of Concrete; 301, Specifications for Concrete Construction; and 546, Repair of Concrete. He is a former ACI Foundation Student Fellowship recipient and a current Board member for the ACI Carolinas Chapter. He also serves as a member of

International Concrete Repair Institute (ICRI) Committee 510, Corrosion, and as a consulting member of ICRI Committee 160, Life Cycle and Sustainability. Tepke is an NACE International Certified Corrosion Specialist and Protective Coating Specialist.

He received his BS and MS from The Pennsylvania State University, University Park, PA, USA, in 1999 and 2001, respectively. He is a licensed professional engineer in a number of states. Prior to joining SKA Consulting Engineers, Inc., in 2007, he participated in state- and federally funded research on evaluation and durability design for transportation structures and had served as a university instructor. His primary research interests and experience include testing and analysis, construction evaluation and troubleshooting, structural investigations, and durability assessments and design for service-life extension of new and existing structures.



**Daniel B. Toon** is Chief Engineer for United Forming, Inc., in Austell, GA, USA, and is responsible for supporting operations in all key markets, including the Southern Region (Austell, GA), Northern Region (Raleigh, NC, USA), and Western Region (Austin, TX, USA). He has 21 years of experience in formwork design, installation, and inspection.

Toon has led his teams through the formwork design process for millions of square feet of concrete construction, with projects ranging from massive parking garages to tiny firefighting training facilities, from your favorite team's

stadium to your favorite bar nestled in the bottom of a mixed-use high-rise.

He is Chair of ACI Committee 301, Specifications for Concrete Construction, and past Chair of ACI Subcommittee 301-B, Formwork and Formwork Accessories - Section 2. He has been a member of ACI Committee 347, Formwork for Concrete, for many years, and is also a member of Joint ACI-ASCC Committee 117, Tolerances, and a member of the American Society of Civil Engineers (ASCE).

He received his BS in civil engineering from the Georgia Institute of Technology, Atlanta, GA, USA, in 2002. He is a licensed professional engineer in Georgia, Alabama, Arkansas, Florida, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Texas, Virginia, and Pennsylvania.

## Fellows

Toon credits his passion for concrete to knowledge gained in Honduras during short-term mission trips early in his life. “Realizing there was this material that allowed the simplest of tools and sweat to make something capable of building just about anything led me to a career in engineering and still sustains me to this day,” he said.



**Edward J. Ulrich Jr.** is President of Ulrich Engineers, Inc., in Houston, TX, USA, which he started in 1984. He has worked in various roles in the industry since 1967.

He joined ACI in 1981 and served as the Chair of ACI Committee 336, Footings, Mats, and Drilled Piers, for almost 15 years, over the span of 1980 to 2000, leading industry experts in modernizing foundation standards. He edited SP-152, *Design and Performance of Mat Foundations*, published in 1995, which provides guidance in modern foundation engineering. He is a lifelong member of the

American Society of Civil Engineers (ASCE), beginning as a student at Georgia Tech.

ASCE awarded Ulrich the Thomas A. Middlebrooks Award for two technical papers on braced excavation design and behavior, and the Harry S. Schnabel Award for outstanding contributions to foundation and braced excavation design. The International Association of Foundation Drilling (ADSC) gave him the President’s Award and selected his paper “Drilled Piers Succeed with the Deepest Excavation in the Texas Medical Center” as its May 2011 feature article.

He received his BCE from the Georgia Institute of Technology, Atlanta, GA, USA, in 1969, with concentrations in George Sowers foundations, structures, and surveying. He received his MSCE from the University of Illinois at Urbana-Champaign, Urbana, IL, USA, studying rock engineering, foundation engineering, engineering geology, and tunneling under Ralph Peck and his associates. His experience extends over four continents, offshore and onshore, and he has developed and implemented foundation designs using multiple foundation systems on a site, which have resulted in major cost savings.

## Fellows



**Fouad H. Yazbeck** is the Technical and Commercial Director of Gentium Concrete Industries and the Founder of 360tangent Engineering Consultancy, Abu Dhabi, United Arab Emirates (UAE). He has also authored or co-authored over 20 technical papers and reports.

Yazbeck is Chair of ACI Committee 234, Silica Fume in Concrete, and is a member of ACI Committees 130, Sustainability of Concrete; 207 Mass and Thermally Controlled Concrete; 305, Hot Weather Concreting; and 329, Performance Criteria for Ready Mixed Concrete; and ACI

Subcommittee 318-L, International Liaison. He has served two terms on the International Advisory Committee and one term on the Chapter Activities Committee. He is a founding member of the ACI Lebanon Chapter and the founding President of the ACI UAE Chapter. He is also a member of ASTM International. He received the Innovation Track Award at the 2015 EcoCity World Summit.

He received his BS and MS in civil engineering from the Saint Joseph University of Beirut, Mar Roukoz, Lebanon, in 1992 and his MBA from ESSEC Business School, Cergy-Pontoise, France, in 1994. He is a member of the Beirut Order of Engineers and the UAE Society of Engineers and a Certified Materials Engineer by Dubai Municipality, UAE. His research interests include rheology and pumpability of high-performance concrete.



# 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.

*“in recognition of outstanding contributions to the advancement of knowledge of concrete as a construction material”*



**Bruce A. Suprenant** is Technical Director at the American Society of Concrete Contractors (ASCC). He is the author or co-author of three books and over 200 technical papers and reports, including more than 40 papers published by ACI.

He is currently Vice Chair of Joint ACI-ASCC Committee 117, Tolerances, and a member of ACI Committee 302, Construction of Concrete Floors. He is a past member of the Technical Activities Committee (TAC) and the Construction Liaison Committee (CLC), and past Chair of the TAC Construction Standards Committee and ACI Committee 306, Cold Weather

Concreting. He was awarded the 2020 and 2011 ACI Construction Award, 2012 ACI Certification Award, and 2010 ACI Roger H. Corbetta Concrete Constructor Award. He is a Lifetime Member of the American Society of Civil Engineers (ASCE).

He received his BS in construction from Bradley University, Peoria, IL, USA, in 1975; his MS in structures 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. He is also approved by the Construction Specification Institute as a Certified Construction Contract Administrator (CCCA) and as a Certified Construction Specifier (CCS).

# 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, Past President of the Institute, for his creative leadership and his many outstanding contributions to the use of concrete for construction.

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.

*“in recognition of his dedicated passion for advocating for the concrete finisher and improving the quality of concrete construction through his generous contributions of knowledge and experience”*



**Steve Lloyd**, FACI, is Owner and Founder of Lloyd Concrete Services, and Maxxcrete, Inc., Concrete Floors in Forest, VA, USA. He has been placing concrete with steel fibers since 1997 and had the first successful expanded joint floor in 2009.

Lloyd became a Fellow of ACI in 2018 and is a member of the ACI Certification Programs Committee and ACI Committees 302, Construction of Concrete Floors; 306, Cold Weather Concreting; 360, Design of Slabs on Ground; and C640, Craftsman Certification; Joint ACI-ASCC Committee 310, Decorative Concrete; and Joint ACI-ASCC Subcommittee 310-J, Polished

Finishes. He also serves on the Board of Directors of the American Society of Concrete Contractors (ASCC). In addition, he serves on the ASCC Technical Committee and is the Co-Chairman of the Finishing Committee.

He is an ACI Commercial/Industrial Flatwork Examiner and Technician. Other certifications include dipstick testing by the Face Company, Concrete Polishing Council, F and D Meter Floor Testing by the Allen Face Company, Rustoleum floor applications, pervious concrete applications by the National Ready Mixed Concrete Association, and steel fiber reinforcement procedures and placement. Lloyd was voted “Most Influential Person in Concrete” by *Concrete Construction* magazine in 2017. He was also recognized by ACI Committee C640, Craftsman Certification, for all the work done for the tradesman program in October 2017. He is on the Board of Directors with the ACI Virginia Chapter and has written for and been featured in *Concrete International*, *Concrete Construction*, and *Concrete Pumping*. He has won numerous Golden Trowel Awards and set a world record in concrete floors. In 2018, he helped Lloyd Concrete achieve the ASCC W. Burr Bennett Awards for Safety Excellence.

Lloyd graduated from E.C. Glass High School in Lynchburg, VA, in 1970. He then completed Engineman A School and Hard Hat diving in the U.S. Navy in 1971. After his service, Lloyd started in the concrete industry in 1973 and founded his own business in 1979.

# Awards

## JOE W. KELLY AWARD

The **Joe W. Kelly Award** was established in 1974 in recognition of the contributions of Joe W. Kelly, Past President of the Institute, to concrete technology, his devotion to teaching, the advancement of his profession, and the use of concrete in construction.

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

*“for helping define, guide, and develop the nationally renowned Concrete Industry Management Program, thus helping prepare future leaders for the concrete construction industry”*



**Heather J. Brown**, FACI, is a Professor in the School of Concrete and Construction Management at Middle Tennessee State University (MTSU), Murfreesboro, TN, USA. She has been at MTSU since 2001, serving as Department Chair from 2011 to 2020. She has educated just over 1000 graduates from the flagship Concrete Industry Management program.

She has been an ACI member since 1998 and is currently serves on ACI Committees 522, Pervious Concrete; C655, Foundation Constructor Certification; and S803, Faculty Network Coordinating Committee; and the ACI Foundation’s Scholarship Council. She

was nominated for the ACI Board of Direction in 2018 and will complete her service in 2021.

Brown has authored over 40 papers and continues to research concrete materials and concrete construction troubleshooting with her students. She received the 2008 ACI Walter P. Moore, Jr. Faculty Achievement Award and became a Fellow of ACI in 2015. She was named one of the “Most Influential People” in concrete construction by *Concrete Construction* magazine in 2017 and has helped raise over \$5 million to break ground on a state-of-the-art concrete building in January 2021. She has been an ACI student chapter adviser since 2002.

She received her BS, MS, and PhD in civil engineering from Tennessee Technological University, Cookeville, TN, in 1997, 1998, and 2001, respectively.

# Awards

## HENRY L. KENNEDY AWARD

The **Henry L. Kennedy Award** was established in 1958 to honor the late Henry L. Kennedy, Past President of the Institute. The award is given only for outstanding technical or administrative service to the Institute and is not mandatory each year. The basis for selection of awardees is outstanding activity or service that has enhanced the Institute's prestige; marked leadership in technical, administrative, or special committee work; or other distinguished service to the Institute.

*“in recognition of outstanding leadership in the development of the standard for assessment and repair of concrete structures; for leadership in the process for code adoption of that standard; and for outstanding contributions using webinars, conference presentations, and technical publications to advance the art and technology of concrete assessment and repair”*



**Keith Kesner**, FACI, is a Senior Project Manager with CVM Engineers, Inc. (CVM), King of Prussia, PA, USA. He has been employed at CVM since 2015. He has authored or co-authored over 125 technical papers and presentations on a variety of engineering topics.

Kesner is Chair of ACI Subcommittee 562-E, Seismic, and is a member of the ACI Technical Activities Committee; ACI Committees 228, Nondestructive Testing of Concrete; 364, Rehabilitation; and 562, Evaluation, Repair, and Rehabilitation of Concrete Buildings (past Chair); and ACI Subcommittee 318-C, Safety, Serviceability, and Analysis.

He received the 2020 ACI Delmar L. Bloem Distinguished Service Award, the 2005 ACI Young Member Award for Professional Achievement, and the 1998 ACI Construction Practice Award. He was named a Fellow of ACI in 2007. He is also a member of the American Society of Civil Engineers (ASCE).

His research interests include nondestructive testing, development of methods for evaluation and repair of existing structures, and preservation 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, USA, in 1998 and 2003, respectively. He is a licensed professional engineer in several states and a licensed structural engineer in Massachusetts, Illinois, and Hawaii.

# Awards

## ALFRED E. LINDAU AWARD

The **Alfred E. Lindau Award** is presented for outstanding contributions to reinforced concrete design practice, and is given in memory of Alfred E. Lindau, a Past President of the Institute. Founded in 1947, the award is open to any and all persons, firms, or corporations involved in concrete design.

*“in recognition of outstanding contributions to reinforced concrete design practice”*



**Dominic J. Kelly**, FACI, is a Senior Principal of Simpson Gumpertz & Heger Inc. in Waltham, MA, USA. He has 34 years of experience working in the field of structural engineering and has been with Simpson Gumpertz & Heger for 20 years.

He became a Fellow of ACI in 2010 and received the 2016 Arthur J. Boase Award from the Concrete Research Council. He is a member of ACI Committee 318, Structural Concrete Building Code, and ACI Subcommittees 318-B, Anchorage and Reinforcement, and 318-H, Seismic Provisions. During the last ACI 318 Code cycle, he served as Chair of ACI Subcommittee

318-R, which was responsible for preparing code changes to allow for the use of high-strength reinforcement. He is also a past member of ACI Committee 369, Seismic Repair and Rehabilitation, and ACI Subcommittees 318-C, Safety, Serviceability, and Analysis, and 318-E, Section and Member Strength.

His research interests include performance and design of concrete structures using high-strength reinforcement. He has also been involved in research related to seismic structural behavior and design.

In 1984, Kelly received his BS in civil engineering from the University of Virginia, Charlottesville, VA, USA. In 1986, he received his MS in civil engineering from the University of Texas at Austin, Austin, TX, USA. He is a member of the American Society of Civil Engineers (ASCE) and a licensed professional or structural engineer in 25 states and three Canadian provinces.

# 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 decades of unwavering support for the American Concrete Institute, by championing contractor participation on technical and Board committees, strongly supporting student member activities, and providing significant financial backing and executive leadership to the organization”*



Growing up in a large family of modest means in Oxford, OH, USA, **Dan Baker** worked hard to help support his family and pay for basic necessities. Throughout his childhood, he and his brothers hunted and trapped to sell furs and worked for local farmers during hay season. At 15, he started working after school and during summers as a laborer for his grandfather, Elmer Baker, in residential masonry. He continued working as a concrete finisher to fund his college education at Miami University, Oxford, OH. At the age of 20, when faced with a cut in wages that he and his brothers could not afford, he took a major risk and went

into business for himself, convincing his brothers to join him.

In the early days, Baker worked in every imaginable facet of the concrete business, all while juggling his college classes. During most of the day, he worked “in the trenches,” placing and finishing concrete alongside his brothers and coworkers. He spent the remainder of his time building relationships with contractors, personally recruiting all new hires, scheduling the next day’s work and crews, estimating new work, and managing the finances.

While he was still earning his Miami University degree, his first company, **Baker Concrete Construction**, earned a reputation for hard work, customer satisfaction, quality, and the ability to meet schedules—allowing initial expansion into the light commercial/light industrial market in the Dayton/Cincinnati, OH, area and future growth in project size and scope.

Baker’s commitment to the construction industry is evident by his involvement throughout the years, participating in countless organizations—both in membership and leadership roles. He is a Past President of ACI and served on the Boards of Allied Construction Industries, the American Society of Concrete Contractors (ASCC), Construction Business Review (CBR), and Construction Industry Round Table (CIRT).

# 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.

*“in recognition of outstanding contributions to the design and analysis of fiber-reinforced concrete through his enthusiastic committee leadership and advocacy for new ACI design guides for structural applications”*



**Barzin Mobasher**, FACI, is a Professor of civil engineering structural and materials at the School of Sustainable Engineering and the Built Environment at Arizona State University (ASU), Tempe, AZ, USA. He joined ASU in 1991 as an Assistant Professor. He has authored more than 200 refereed archival papers and two books on fiber- and textile-reinforced concrete, and he is an editor of four conference and workshop proceedings.

Mobasher started as a student member of ACI in 1983. He is currently a member of the ACI Technical Activities Committee. He is past Chair of ACI Committee 544, Fiber Reinforced Concrete, and is a past member of ACI Committees 201, Durability of Concrete, and 549, Thin Reinforced Cementitious Products and Ferrocement; Joint ACI-ASCE Committee 446, Fracture Mechanics of Concrete; and ACI Subcommittee 239-C, Structural Design on UHPC.

He received the 1984 ACI Student Scholarship and the 2010 ACI Delmar L. Bloem Distinguished Service Award. He is also a member of RILEM (the International Union of Laboratories and Experts in Construction Materials, Systems and Structures) and served as a member of RILEM-TAC and Convener. He is currently an Associate Editor of *Materials and Structures*, a journal published by Springer.

His research interests include the analysis and design, materials characterization, and full-scale testing of structural materials. His fundamental contributions are in the fields of fiber- and textile-reinforced concrete materials; experimental mechanics of toughening in composites; ultra-high-performance concrete cement-based systems; and modeling and testing of durability in concrete materials, including sulfate attack, chloride permeability, and shrinkage cracking.

He received his BS from the University of Wisconsin-Platteville, Platteville, WI, USA, in 1983; his MS from Northeastern University, Boston, MA, USA, in 1985; and his PhD from Northwestern University, Evanston, IL, USA, in 1990, all in civil engineering. He is a licensed professional engineer in Arizona.

# Awards

## CEDRIC WILLSON LIGHTWEIGHT AGGREGATE CONCRETE AWARD

The **Cedric Willson Lightweight Aggregate Concrete Award** was established in 1976 in recognition of Cedric Willson's many contributions in the field of lightweight aggregate, lightweight concrete, and lightweight concrete masonry. The award is given for outstanding contributions to one or more of these fields; any person, firm, or organization is eligible.

*“in recognition of outstanding contributions in the research, implementation, and use of lightweight aggregate in concrete bridge structures”*



**Carin Roberts-Wollmann**, FACI, is a Professor in the Via Department of Civil and Environmental Engineering at Virginia Polytechnic Institute and State University, Blacksburg, VA, USA. She is a Fellow of ACI and the Precast/Prestressed Concrete Institute (PCI).

She is Chair of ACI Subcommittee 318-P, Precast and Prestressed Concrete, and a member of ACI Committees 239, Ultra-High-Performance Concrete, and 318, Structural Concrete Building Code; Joint ACI-PCI Committee 319, Precast Structural Concrete Code; and Joint ACI-PTI Committee 320, Post-Tensioned Structural Concrete Code; a member and past Chair of

Joint ACI-ASCE Committee 423, Prestressed Concrete; and a member of Joint ACI-ASCE Committee 445, Shear and Torsion.

Roberts-Wollmann received the 2018 ACI Delmar L. Bloem Distinguished Service Award. Her research interests include new materials and new construction procedures to enhance the economy, durability, and constructability of concrete bridges and buildings.

She received her BS in 1983 from the University of Nebraska–Lincoln, Lincoln, NE, USA, and her MS and PhD from the University of Texas at Austin, Austin, TX, USA, in 1990 and 1993, respectively. She is a licensed professional engineer in North Carolina.



# 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 collaborative outreach in promoting concrete sustainability, and his dedication to education and advocacy of concrete as a premier sustainable material”*



**David Shepherd** is a Region Manager at Concrete Reinforcing Steel Institute (CRSI), Schaumburg, IL, USA. He has 40 years of experience in the design and construction industry, 20 years of experience in the concrete industry, and 15 years of experience in sustainability.

He is a past member of the ACI Board Advisory Committee on Sustainability and ACI Committee 332, Residential Concrete Work. Currently, he is a member of the American Institute of Architects (AIA).

Shepherd received his BA in architecture in 1980 from the University of Illinois at Urbana-Champaign, Urbana, IL.

# Awards

## ACI STRATEGIC ADVANCEMENT AWARD

**ACI Strategic Advancement Award**—This Award recognizes individuals or organizations who provide support in the implementation of membership and customer satisfaction; the quality of ACI programs, products, and services; and global credibility and impact.

*“for his outstanding leadership in the development of long-term strategic pillars for ACI, and his passionate engagement in the implementation of the ACI Strategic Plan”*



**William E. Rushing Jr., FACI**, is a Vice President and Manager of the Civil and Environmental Engineering Department at Waldemar S. Nelson & Co., Inc, New Orleans, LA, USA. He has been employed there for 39 years.

A Fellow of ACI, he served as ACI President in 2014-2015. Rushing is Chair of the ACI Chapter Activities Committee and also serves on the Board of Trustees of the ACI Foundation and Advancing Organizational Excellence (AOE). He is a member of ACI Committees 314, Simplified Design of Concrete Buildings; 351, Foundations for Equipment and

Machinery; 376, Concrete Structures for Refrigerated Liquefied Gas Containment; E702, Designing Concrete Structures; and S801, Student Competitions; and ACI Subcommittees 314-B, Preliminary Design and Economic Impact; 314-D, Design Aids; and 351-D, Design Provisions for Heavy Industrial Concrete Structures Including Turbine Pedestals. He chaired the ACI Strategic Plan Task Group, the Task Group on Managing Translations of ACI Products and Services, and the ETC Product Development Committee. He is past Chair of the ACI Financial Advisory Committee and a past member of the Task Group on Communication Platforms for Delivery of Services and Products.

Rushing received the 2018 ACI Education Award, 2011 ACI Henry L. Kennedy Award, and 2003 ACI Chapter Activities Award. He was inducted into the Louisiana State University Civil and Environmental Engineering Hall of Distinction. A member of the ACI Louisiana Chapter, he previously served on the chapter's Board of Direction and was its President in 1998. He received the 2010 ACI Louisiana Chapter Distinguished Member Award and the chapter's 2004 Chapter Activity Award.

He received his BS in civil engineering from Louisiana State University, Baton Rouge, LA, in 1981. He is a licensed professional engineer in Louisiana, Mississippi, Alabama, Arkansas, Georgia, New Mexico, Texas, and Arizona. Rushing is also a member of the American Society of Civil Engineers (ASCE) and the Structural Engineers Institute (SEI).

# Awards

## ACI CERTIFICATION AWARD

The **ACI Certification Award** recognizes individuals and organizations who have made notable contributions to the advancement of ACI Certification. The ACI Certification Award may be presented annually to a maximum of three recipients, but need not be presented each year.

*“for outstanding dedication and commitment to improving, promoting, supporting, and delivering ACI Certification programs”*



**Dawn Miller**, FACI, is the Founder and Principal of DLM Association Services in Las Vegas, NV, USA.

She serves as the Executive Director of the ACI Las Vegas Chapter (since 1997) and the ACI Rocky Mountain Chapter (since 2014). She was previously the Executive Director for the ACI Oregon Chapter from 1994 to 1996.

Miller is Chair of ACI Committee E905, Training Programs, and is currently a member of the International Project Awards and Fellows Nominating Committees. She is a member of ACI Committee C670, Masonry Technician Certification, and past Chair of the

ACI Chapter Activities Committee. She is a past member of the ACI Certification Programs Committee, Membership Committee, Convention Committee, and Chapter Activities Committee, and she also served two terms on the Nominating Committee.

Miller began her involvement in the ACI certification programs as the administrator of the Concrete Field Testing Technician – Grade I program for the Oregon Concrete and Aggregate Producer’s Association. She was certified in 1993 and became a proctor for the program. Since joining the ACI Las Vegas Chapter in 1997, she has served as a member of the chapter’s Certification Committee.

Miller is now responsible for the planning and execution of 18 ACI certification programs for two chapters and at World of Concrete. She was awarded the designation of Fellow of ACI in 2015 and received the 2011 ACI Chapter Activities Award.

## Awards

*“for outstanding service on ACI Certification committees, and dedication in developing, promoting, supporting, and delivering ACI Certification programs”*



**Xiomara Sapon-Roldan** is the Training and Outreach Manager at the Instituto del Cemento y del Concreto de Guatemala (ICCG). She has served at ICCG for 13 years.

She has been a member of the ACI Guatemala Chapter since 2007 and has served as Secretary of the chapter for 6 years; she is currently head of the local sponsoring group in Guatemala. In 2016, she received the ACI Chapter Activities Award.

Sapon-Roldan is a member of the Chapter Activities Committee, Certification Programs Committee, and International Certification Committee. She is also

member of ASTM Committees C01, Cement; C09, Concrete and Concrete Aggregates; and E60, Sustainability.

Her research interests include standardization for cement, concrete, and other construction materials.

She received her BS in civil engineering from Universidad de San Carlos de Guatemala, Guatemala City, Guatemala, in 2003 and her master's degree in industrial management from Universidad Rafael Landívar, Guatemala City, Guatemala, in 2010.

## Awards

*“for outstanding dedication and commitment to improving, promoting, supporting, and delivering ACI Certification programs”*



**Peter Stamatopoulos** is the Quality Control Manager of Elmhurst-Chicago Stone Co. He has been with the company for nearly 30 years and is also the Environmental Compliance Director. He provides proactive and reactive support to his clients and heads the design process from mixture materials to delivery; is involved with technical sales; and has extensive experience designing, analyzing, and maintaining his product.

Stamatopoulos is currently the Certification Chair of the ACI Illinois Chapter, is on the Board of Directors, and has held several officer positions, including President. He is also a member of ASTM International.

Being on the producer side of the ready mixed concrete industry, Stamatopoulos was keenly aware of the need for certified individuals and considered how this segment of the industry could grow. His foresight showed that the chapter needed a dedicated training facility to host the growing demand for ACI certifications instead of the provisional locations used in the past. After much research and planning, the ACI Illinois Chapter opened the first-of-its-kind certification facility for an ACI chapter in 2016. The facility has been a great success and has streamlined the certification process. Growth has been exponential thanks to the synergy created by producers, material suppliers, testing companies, and industry leaders coming together and sponsoring the site. They shared in Stamatopoulos's vision and have been indispensable by annually contributing financially.

# Awards

## ACI YOUNG MEMBER AWARD FOR PROFESSIONAL ACHIEVEMENT

The **ACI Young Member Award for Professional Achievement** was established in 1997 “for the purpose of recognizing the contributions of younger members of the Institute, and for professional achievement.” Those selected must be Institute members and 35 years of age or younger at the time of the nomination.

*“for her contributions to advancing the quality of concrete through technology, and the education of both students and ACI members”*



**Ashlee Hossack** is a Materials Engineer at GEMTEC Consulting Engineers and Scientists Limited in Fredericton, NB, Canada. She joined GEMTEC in 2014 after completing her PhD in civil engineering. In her role at GEMTEC, Hossack works predominantly with concrete infrastructure repair and rehabilitation projects, investigating the causes of concrete deterioration and providing guidance on remediating damage and avoiding future distress.

She is a member of ACI Committees 201, Durability of Concrete; 321, Concrete Durability Code; 546, Repair of Concrete; and S806, Young Professional Activities.

She also serves as Secretary of the ACI Atlantic Chapter and is a member of ASTM International.

During graduate school, Hossack received the 2011 ACI Schwing America Scholarship and 2010 ACI W.R. Grace America Scholarship. She has authored or co-authored 11 technical papers, instructed two university courses, and presented at numerous international conferences.

Her research interests include external sulfate attack, freezing-and-thawing damage, alkali-silica reaction, and reinforcing steel corrosion.

She received her BScE in civil engineering from the University of New Brunswick (UNB), Fredericton, NB, Canada, in 2010 and her PhD in civil engineering, materials engineering, and infrastructure renewal from UNB in 2015. She is a licensed professional engineer in the provinces of New Brunswick and Nova Scotia.

## Awards

*“for her passionate engagement of students and other young professionals in ACI programs and promotion of student memberships”*



**Samhar Hoz** is an Engineer with the Code and Standards Department in the International Code Council (ICC) Central Regional Office. She has more than 9 years of combined experience in civil/construction/structural engineering internationally, in the United States and the Middle East. She is a regular presenter at conventions, and she also has published papers, including a paper with ASTM International.

She is Chair of ACI Committee S801, Student Competitions, and is Secretary of ACI Subcommittees 332-D, Residential Concrete-Footings & Foundation Walls, and 332-E, Residential Concrete-Above Grade

Walls, and is a member of ACI Committees 224, Cracking; 302, Construction of Concrete Floors; and S806, Young Professional Activities; and ACI Subcommittee 544-E, FRC-Mechanical Properties. She is a member of the ACI Greater Michigan Chapter, the American Society of Civil Engineers (ASCE), ASTM International, and Project Management Institution (PMI).

She received her BS in civil/structural engineering and her master's degree in engineering management with credits in construction management from Eastern Michigan University, Ypsilanti, MI, USA. She also has a LEED Green Associate credential.

## Awards

*“for her intense dedication to the advancement of the concrete industry and her commitment to our national infrastructure”*



**Catherine Lucero** is a Civil Engineer at the Concrete and Structural Laboratory at the Bureau of Reclamation in Denver, CO, USA, with over 5 years of experience.

She is currently the Vice President of the ACI Rocky Mountain Chapter, where she also serves on the Membership and Community Outreach Committees. She is a member of ACI Committees 207, Mass and Thermally Controlled Concrete; 232, Fly Ash in Concrete; and 233, Ground Slag in Concrete. She is also a member of ASTM Committees C01, Cement, and C09, Concrete and Concrete Aggregates.

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

Lucero 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. She is a licensed professional engineer in New Mexico.



# 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.

### *“Characterization of shear strengthening behavior of CFRP anchors and anchored strips”*

(“Shear Behavior of Full-Scale Reinforced Concrete Members Strengthened with Anchored Carbon Fiber-Reinforced Polymer Strips” published in the November 2019 issue of the *ACI Structural Journal*.)



**Nawaf K. Alotaibi** is an Assistant Professor in the Civil Engineering Department at Kuwait University, Kuwait. He is also a member of the American Society of Civil Engineers (ASCE).

His research interests include the use of fiber-reinforced polymer composites for strengthening of concrete structures, structural rehabilitation, and the shear behavior of reinforced concrete members.

He received his BS in civil engineering from Kuwait University in 2007 and his MS and PhD in civil engineering with an emphasis on structural engineering from the University of Texas at Austin, Austin, TX, USA,

in 2014 and 2016, respectively. Alotaibi is a licensed professional engineer in the state of Kuwait.



**Wassim Michel Ghannoum** is an Associate Professor in the Department of Civil and Environmental Engineering at the University of Texas at San Antonio, San Antonio, TX, USA.

He is a member of ACI Committees 318, Structural Concrete Building Code, and 369, Seismic Repair and Rehabilitation; Joint ACI-ASCE Committees 441, Reinforced Concrete Columns, and 447, Finite Element Analysis of Reinforced Concrete Structures; and ACI Subcommittees 318-B, Anchorage and Reinforcement; 318-D, Members; and 440-F, FRP-Repair-Strengthening. He is also a voting member of ASCE/SEI 41, Seismic

Retrofit of Existing Buildings Standards Committee.

# Awards

Ghannoum received the 2019 ACI Delmar L. Bloem Distinguished Service Award and Henry L. Kennedy Award. He is a Fellow of the American Society of Civil Engineers (ASCE), Structural Engineering Institute (SEI).

His research interests include life-span extension of concrete structures, new materials in concrete construction, earthquake engineering, and extreme loading on structures.

He received his BE in 1997 and his ME in 1999 in civil engineering from McGill University in Montreal, QC, Canada, and his PhD from the University of California, Berkeley, Berkeley, CA, USA. He is a licensed professional engineer in Texas.



ACI Honorary Member **James O. Jirsa** is the Janet S. Cockrell Chair Emeritus at the University of Texas at Austin, Austin, TX, USA. He is an ACI Past President.

He has supervised more than 100 MS and 40 PhD students. He has authored or co-authored over 200 refereed journal articles and conference proceedings. Jirsa has served as Chair and member of several ACI administrative and technical committees, including the Technical Activities Committee (TAC) and the Concrete Research Council, as well as ACI Committees 318, Structural Concrete Building Code, and 369, Seismic Repair and Rehabilitation; and Joint ACI-ASCE

Committees 352, Joints and Connections in Monolithic Concrete Structures, and 408, Bond and Development of Steel Reinforcement.

He received the 1997 ACI Joe W. Kelly Award, 1993 Concrete Research Council A.J. Boase Award, 1990 ACI Delmar L. Bloem Distinguished Service Award, 1986 ACI Alfred E. Lindau Award, 1979 and 1977 ACI Raymond C. Reese Structural Research Award, and 1977 ACI Wason Medal for Most Meritorious Paper. He presented the ACI George Winter Commemorative Lecture in 2000. He was elected to the National Academy of Engineering in 1988. He has been a Distinguished Member of the American Society of Civil Engineers (ASCE) since 2017 and an Honorary Member of the Earthquake Engineering Research Institute (EERI) since 2010.

His research interests include behavior and design of reinforced concrete structures, and earthquake response and rehabilitation of reinforced concrete structures.

Jirsa received his BS in civil engineering from the University of Nebraska, Lincoln, NE, USA, in 1960 and his MS and PhD degrees from the University of Illinois at Urbana-Champaign, Urbana, IL, USA, in 1962 and 1963, respectively.

# Awards

## ACI CONSTRUCTION AWARD

The **ACI Construction Award** was founded in 1944. The intent of this award is to enrich the literature in construction practice and to honor the construction worker whose resourcefulness produces a completed structure from drawings and specifications.

*“Development of applications for use of recycled post-consumer glass as SCM for concrete”*

(“Field Application of Recycled Glass Pozzolan for Concrete” published in the July 2019 issue of the *ACI Materials Journal*.)



**Julio F. Davalos** is a Professor in the Department of Civil Engineering at the City College of New York (CCNY) of the City University of New York, New York City, NY, USA. Formerly a Distinguished Professor and Research Center Director at West Virginia University, Morgantown, WV, USA, for 23 years, he has been at CCNY since 2012 as Professor of structural engineering and served as Department Chair until 2019.

He has been honored with over 60 awards for teaching, research, and innovations in practice, including recognitions from the American Society of Civil Engineers (ASCE); American Society for Engineering Education (ASEE); ASTM International; and government agencies, institutes, and industry. He has served on several technical committees, national expert panels, and conferences and symposia. He has published over 300 journal papers and refereed articles, several book chapters, and a recent book on polymer composite honeycomb bridge decks. He is a member of several professional organizations, including ACI, ASCE, ASTM International, American Institute of Timber Construction (AITC), and the American Society for Engineering Education (ASEE), and he is an Editorial Board member of the *ASCE Journal of Composites for Construction*.

His research interests include structural mechanics and sustainable advanced materials, including concrete, wood, and polymer composites.

Originally from Bolivia, he received three AS degrees from Northern Virginia Community College, Annandale, VA, USA, and his BS and MS (1986) and PhD (1989) in civil engineering from Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg, VA, USA.

## Awards



**Marija Krstic** is a Postdoctoral Researcher and Adjunct Lecturer in the Department of Civil Engineering at the City College of New York (CCNY), New York City, NY, USA. She is also an Adjunct Lecturer at the State University of Stony Brook, Stony Brook, NY. She has authored and/or co-authored technical papers and reports, including papers titled “Field Application of Recycled Glass Pozzolan for Concrete” in the *ACI Materials Journal* (2019) and “Ground-Glass Pozzolan for Use in Concrete” in *Concrete International* (2020).

Krstic is a member of ACI Committee 240, Pozzolans, and ASTM Committee C09, Concrete and Concrete Aggregates. She is also a member of the American Society of Civil Engineers (ASCE) and International Union of Laboratories and Experts in Construction Materials, Systems and Structures (RILEM).

She was a scholarship recipient of the Environmental Research and Education Foundation (EREF) during her doctoral research, and upon graduating she received the Great Grads 2020 award from CCNY for her achievements.

Her research interests include sustainable concrete and the use of recycled materials as supplementary cementitious materials in structures. Her work also contributed to the approval of ASTM C1866/C1866M, “Standard Specification for Ground-Glass Pozzolan for Use in Concrete,” in 2020.

She received her BS and MS in civil engineering from the Faculty of Civil Engineering and Architecture, University of Nis, Nis, Serbia, in 2011, and her second MS in civil engineering and PhD in structural engineering and materials from CCNY in 2014 and 2020, respectively.

# Awards

## WASON MEDAL FOR MATERIALS RESEARCH

The **Wason Medal for Materials Research** was founded in 1917 by Leonard C. Wason, Past President of the Institute. Any report of original research work on concrete materials and their uses, or a discovery that advances the state of knowledge of materials used in the concrete industry, is eligible for the Wason Medal for Materials Research. When awarded, it is bestowed for the research discovery judged worthy of special commendation.

*“Development of criteria for the brittle fracture of reinforcing bars after post-buckling tests”*

(“Critical Bending Strain of Reinforcing Steel and the Buckled Bar Tension Test” published in the May 2019 issue of the *ACI Materials Journal*.)



**Leo Barclay** is a Structural Engineer at Kimley-Horn and Associates in Raleigh, NC, USA, where he has worked for 2 years.

His research interests include limit states of reinforced concrete structures, high-strength reinforcing steel, and displacement-based design.

He received his BS and MS in civil engineering from North Carolina State University, Raleigh, NC, in 2016 and 2018, respectively.

# Awards



**Mervyn J. Kowalsky** is the Christopher W. Clark Distinguished Professor of Structural Engineering and the Director of the Constructed Facilities Laboratory in the Department of Civil, Construction, and Environmental Engineering at North Carolina State University, Raleigh, NC, USA. He has been at North Carolina State since 1998.

Kowalsky is currently serving on the Editorial Board of *Earthquake Spectra* and has served on ACI Committees 213, Lightweight Aggregate and Concrete; 341, Earthquake-Resistant Concrete Bridges; and 374, Performance-Based Seismic Design of Concrete Buildings.

He is co-author of the textbook *Displacement-Based Seismic Design of Structures* (with Nigel Priestley and Michele Calvi) and is a licensed professional engineer in North Carolina. Kowalsky's research has been supported by the State Departments of Transportation of Alaska, California, and North Carolina, as well as the U.S. Army Corps of Engineers, the National Science Foundation, and numerous industrial organizations. Kowalsky has advised 29 PhD and 32 MS students during his time at North Carolina State. His students typically combine large-scale structural experimentation and nonlinear dynamic analysis to address problems facing the earthquake engineering community. They conduct their research at the Constructed Facilities Lab on the North Carolina State Centennial Campus, using several of the unique facilities at the lab, including a shake table, environmental chamber, and soil-structure interaction facility. In 2002, Kowalsky was co-awardee (with his former advisers Nigel Priestley and Frieder Seible) of the ACI Structural Research Award, currently named the Mete Sozen Award for Excellence in Structural Research, for his work on the seismic behavior of lightweight concrete structures.

His research interests include earthquake engineering and seismic design, with a special emphasis on performance-based design procedures.

He received his BS, MS, and PhD from the University of California, San Diego, San Diego, CA, USA, in 1993, 1994, and 1997, respectively.

# Awards

## METE A. SOZEN AWARD FOR EXCELLENCE IN STRUCTURAL RESEARCH

The **Mete A. Sozen Award for Excellence in Structural Research** is given to the author or authors of a peer-reviewed 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 award need not be presented each year.

*“Development of design procedures using the strut-and-tie method for multiple pile caps”*

(“Refined Three-Dimensional Strut-and-Tie Model for Analysis and Design of Four-Pile Caps,” published in the July 2019 issue of the *ACI Structural Journal*.)



**Carlos Meléndez** is a Structural Engineer at Esteyco, Madrid, Spain. His professional work has focused on the application of advanced analysis tools for a variety of conventional and nonconventional engineering projects to better understand the structural response, identify decisive factors, and propose design solutions. He has worked in the development of new methodologies and computer-aided tools for the automation of structural verifications when no specific commercial tools are available. He has participated in projects in the civil infrastructure sector, the wind energy industry, and big science facilities. Since 2018, a significant part of his

work as a structural analyst has been devoted to the ITER project, the world’s largest nuclear fusion experiment.

His research interests include the nonlinear finite element analysis of concrete structures, strut-and-tie modeling, design of concrete discontinuity regions, and anchorage plates. He especially values the connection between research and everyday engineering practice.

He received his MEng in civil engineering, his MSc in concrete engineering, and his PhD in construction engineering from Universitat Politècnica de València, València, Spain, in 2011, 2012, and 2017, respectively.

## Awards



**Luis Pallarés** is an Associate Professor in the Department of Construction Engineering and Civil Engineering Projects and the School of Civil Engineering at the Universitat Politècnica de València (UPV), València, Spain, where he has worked since 2011. He has co-authored over 40 technical papers and reports. Pallarés has served as the Vice Dean of the School of Civil Engineering at UPV since 2016 and has been Vice Dean of the Department of Construction Engineering for 4 years.

His research interests include buckling of concrete columns, discontinuity regions (D-regions) in structural concrete, anchors in concrete and interaction between masonry infill walls, and structural skeletons of buildings during an earthquake.

He received his BS and MS in civil engineering from UPV in 2002 and his PhD in 2006. He carried out his postdoctoral research at the University of Illinois at Urbana-Champaign, Urbana, IL, USA, in 2007 and 2008. He has been a licensed professional engineer in Spain since 2002.



**Juan Sagaseta** is a Senior Lecturer in the Department of Civil and Environmental Engineering at the University of Surrey, Guildford, UK.

His research interests include shear, punching shear, strut-and-tie modeling, analysis of structural concrete under accidental actions, and progressive collapse.

He received his MEng in civil engineering from Escuela Técnica Superior de Ingenieros de Caminos, Canales y Puertos de Santander, Santander, Spain, in 2003 and his PhD from Imperial College London, London, UK, in 2008. He is a Chartered Engineer with the Institution of Civil Engineers (ICE), UK.



## Awards



**Pedro F. Miguel Sosa** is a Full Professor in the Department of Construction Engineering and Civil Engineering Projects at the Universitat Politècnica de València (UPV), València, Spain, where he has worked since 1983.

He is a member of ACI and representative member of UPV at the Spanish mirror group of the European Committee of Normalization, commissioned to draft the European code for concrete structures EN1992, Eurocode 2 (AENOR CTN 140/SC2 EC-2).

He has authored or co-authored over 75 research papers related to instability of columns, shear,

membranes, and D-regions. He has led or participated in over 50 research projects since 1990, funded by public and private institutions, and has also supervised 14 doctoral theses. He is the first author of a book on design of concrete structures with strut-and-tie models, and he has also co-authored teaching books for design of concrete structures. In 2000, he received the UPV medal.

His research interests include the study of mechanical behavior of concrete structures. During the last 10 years, his research has focused on D-regions, such as dapped-end beams, socket-base foundations, and pile caps, developing numerical models, design approaches, and recommendations.

He received his master's degree and PhD in civil engineering from UPV in 1977 and 1980, respectively. He has served as Dean of the department for 22 years and the designated Vice Rector of UPV for 7 years. He is also a licensed professional engineer in Spain.

# Awards

## ACI DESIGN AWARD

The **ACI Design Award** honors a paper that describes advanced concepts and techniques applied to a specific design project. It is awarded to the author or coauthors of the paper and to the engineer or engineering firm responsible for the design.

*“Development of repair and retrofit procedures with CFRP rod panels for flexural and shear strengthening needed for severed prestressing tendons”*  
 (“Improving the Durability of Impact Damaged PC Bridge Girders Using CFRP Rod Panel Retrofit,” SP-331-06, February 2019, pp. 80-100.)



**Issam Harik** is a Professor in the Department of Civil Engineering and the Structures' Program Manager at the Kentucky Transportation Center, University of Kentucky, Lexington, KY, USA. He joined the University of Kentucky in August 1982 as an Assistant Professor.

Harik is a member of ACI Committee 440, Fiber-Reinforced Polymer Reinforcement. He is also a member of the American Society of Civil Engineers (ASCE) and the Precast/Prestressed Concrete Institute (PCI).

His research interests include highway structures with an emphasis on field testing, modeling, and strengthening using fiber-reinforced polymer composites. He has authored or co-authored over 350 technical papers and reports.

He received his BS, MS, and PhD in 1977, 1979, and 1982, respectively, from Wayne State University, Detroit, MI, USA.

## Awards



**Abheetha Peiris** is a Research Engineer in the Kentucky Transportation Center at the University of Kentucky, Lexington, KY, USA. He has been with the University of Kentucky for over 9 years and is also an Adjunct Assistant Professor in the Department of Civil Engineering.

Peiris is a member of ACI Committees 440, Fiber-Reinforced Polymer Reinforcement, and 444, Structural Health Monitoring and Instrumentation, and Joint ACI-ASCE Committee 441, Reinforced Concrete Columns. He is also a member of the American Society of Civil Engineers (ASCE).

His research interests include the use of fiber-reinforced polymers in structural repair, bridge load testing, and structural health monitoring. He has authored or co-authored over 60 technical papers and reports.

He received his BSc in civil engineering from the University of Peradeniya, Peradeniya, Sri Lanka, in 2002, his MEng in civil engineering from Osaka University, Osaka, Japan, in 2006, and his PhD in civil engineering from the University of Kentucky in 2011. He is a licensed professional engineer in Kentucky.

# Awards

## DELMAR L. BLOEM DISTINGUISHED SERVICE AWARD

The **Delmar L. Bloem Distinguished Service Award** is given in recognition of noteworthy work on ACI technical committees. This award goes to a current (or recent) Chair, or under special circumstances, to deserving individuals other than committee Chairs for outstanding service. Created in 1969, then renamed 2 years later to memorialize Bloem for his outstanding contributions to the technical work of the Institute, nominations come from the Technical Activities Committee and are approved by the Board.

*“for outstanding leadership of ACI Committee 506, Shotcreting”*



**Marc Jolin**, FACI, has been a Professor in the Department of Civil and Water Engineering at Laval University, Québec City, QC, Canada, since 2005 and is a member of the Research Centre on Concrete Infrastructures (Centre de recherche sur les infrastructures en bétons—CRIB). He received the 2017 ACI Certification Award and the 2009 ACI Young Member Award for Professional Achievement. He became a Fellow of ACI in 2010.

He is a member and past Chair of ACI Committees 506, Shotcreting, and C660, Shotcrete Nozzleman Certification. He is Secretary of ACI Committee C661, Shotcrete Inspector Certification. Jolin is also an active ACI Examiner for Shotcrete Nozzleman Certification (wet- and dry-mix processes) and a member of the American Shotcrete Association (ASA).

He received his bachelor's degree and MSc from Laval University in 1994 and 1996, respectively, and his PhD in civil engineering from the University of British Columbia, Vancouver, BC, Canada, in 1999.

## Awards

*“for outstanding leadership of ACI Committee 342, Evaluation of Concrete Bridges and Bridge Elements”*



**Devin K. Harris** is an Associate Professor in the Department of Engineering Systems and Environment at the University of Virginia (UVA), Charlottesville, VA, USA. He joined UVA in 2012 as an Assistant Professor and was promoted in 2016. Prior to joining UVA, Harris was an Assistant Professor at Michigan Technological University, Houghton, MI, USA, from 2008 to 2012.

He is outgoing Chair of ACI Committee 342, Evaluation of Concrete Bridges and Bridge Elements, having served two terms. He is also a member of ACI Committees 239, Ultra-High-Performance Concrete; 345, Bridge Construction and Preservation; 444,

Structural Health Monitoring and Instrumentation; and S802, Teaching Methods and Educational Materials (Secretary from 2016 to 2018); and Joint ACI-ASCE Committee 343, Concrete Bridge Design. Harris also served on the Student and Young Professional Activities Committee (SYPAC) from 2015 to 2018. In 2011, he was awarded the ACI Young Member Award for Professional Achievement.

His research interests include reinforced and prestressed concrete behavior, bridge engineering, image-based measurement techniques, crowdsourcing, data analytics, condition assessment and structural health monitoring, and the application of innovative materials in civil infrastructure. Harris has authored or co-authored over 100 journal and conference papers and contributed to numerous ACI Convention presentations.

He received his BS in civil engineering from the University of Florida, Gainesville, FL, USA, in 1999 and his MS and PhD in civil engineering from Virginia Polytechnic Institute and State University, Blacksburg, VA, in 2004 and 2007, respectively.

## Awards

*“for outstanding leadership of ACI Committee 435, Deflection of Concrete Building Structures”*



**Eric Musselman** is an Associate Professor and Chair of the Department of Civil and Environmental Engineering at Villanova University, Villanova, PA, USA. He has been on the faculty at Villanova for 8 years, where he conducts research focused on the serviceability and durability of reinforced concrete structures.

Musselman recently completed his second term as Chair of ACI Committee 435, Deflection of Concrete Building Structures. He is a member of ACI Committees 370, Blast and Impact Load Effects, and S802, Teaching Methods and Educational Materials. He also served as the co-editor for ACI SP-284, *Andy Scanlon Symposium*

*on Serviceability and Safety of Concrete Structures.*

He received his BS and MS in civil engineering from Pennsylvania State University (Penn State), University Park, PA, in 2004, and his PhD in civil engineering from Penn State in 2007. He is a licensed professional engineer in Minnesota.

# Awards

*“for outstanding leadership of ACI Committee 237, Self-Consolidating Concrete”*



**Anton K. Schindler** is the Director of the Highway Research Center and Mountain Spirit Professor at Auburn University (AU), Auburn, AL, USA, where he teaches courses in engineering mechanics, structural design, and concrete materials in the Civil and Environmental Engineering Department. He has served on the AU faculty for 18 years and has twice been selected by students as the department’s Outstanding Faculty Member. He also received the AU College of Engineering’s Walker Merit Teaching Award in 2012.

He was elected a Fellow of ACI and an ASCE Fellow in 2013 and 2019, respectively. He was a Fulbright U.S.

Scholar in Finland in 2015-2016. He received the 2017 ACI Cedric Willson Lightweight Aggregate Concrete Award and the 2013 Expanded Shale, Clay, and Slate Institute Erskine Award for his contributions to the use of lightweight aggregate in concrete applications. He also received ACI’s Wason Medal for Materials Research in 2011 and 2006.

He is Chair of ACI Committee 237, Self-Consolidating Concrete, and past Chair of ACI Committee 231, Properties of Concrete at Early Ages. He is a member of the ACI Technical Activities Committee (TAC) and Vice Chair of the ACI Foundation’s Scholarship Council. He is a member of the American Society of Civil Engineers (ASCE) and ASTM International.

His research interests include computer-based modeling of concrete behavior; early-age behavior of concrete structures; high-performance concrete; self-consolidating concrete; concrete durability; nuclear concrete structures; sustainable construction; and concrete production, testing, and properties.

He received his BSE and Honors Degree (Structural Engineering) from the University of Pretoria, Pretoria, South Africa, in 1993 and 1996, respectively. After working in the industry, he received his MSE and PhD from The University of Texas at Austin, Austin, TX, USA, in 1999 and 2002, respectively. He is a licensed professional engineer in Alabama.

## Awards

*“for outstanding leadership of ACI Committee 544, Fiber Reinforced Concrete”*



**Liberato Ferrara** is Associate Professor of structural analysis and design at Politecnico di Milano, Milan, Italy. He holds the Italian National qualification of Full Professor. He was the Fulbright Visiting Scholar at the Center for Advanced Cement-Based Materials, Northwestern University, Evanston, IL, USA, and a visiting lecturer at Beijing Jiaotong University, Beijing, China, and Chongqing University, Chongqing, China.

Ferrara is Chair of ACI Committee 544, Fiber Reinforced Concrete, and a member of ACI Committees 237, Self-Consolidating Concrete; 238, Workability of Fresh Concrete; 239, Ultra-High-Performance Concrete; and 241, Nanotechnology of Concrete; and Joint ACI-ASCE Committee 446, Fracture Mechanics of Concrete.

He is the coordinator of the European Commission-funded H2020 project ResHEALience (GA 760824): Rethinking coastal defense and green energy service infrastructures through enhanced durability high-performance fiber-reinforced cement-based materials, and the deputy coordinator of the Marie Skłodowska Curie International Training Network SMARTINCS (H2020 GA 86006): Self-healing multifunctional advanced repair technologies in cementitious systems. He is also involved in a number of publicly and privately funded projects in the fields of advanced cement-based materials, precast concrete structures, and circular economy in concrete construction.

His research interests include the material concept, characterization, modeling, and structural applications of advanced cement-based materials. He is author or co-author of more than 60 peer-reviewed journal papers, three book chapters, and more than 200 conference papers, and co-editor of one book on sustainable cement-based materials (Springer, June 2017).

Ferrara received his MSc in building engineering and his PhD in structural engineering from Politecnico di Milano. He is a licensed professional engineer in Italy.



# Awards

## ACI EDUCATION AWARD

**ACI Education Award**—Recognizes individuals who have made notable contributions to the advancement of ACI Education or educational support activities. Notable contributions may be, but are not limited to: educational seminars; webinars; online training, document, or product development; product review; serving on task groups; and/or serving as a subject-matter expert.

*“for 45 years of tireless work advancing ACI Educational Activities through organization and involvement in countless seminars, committees, and educational leadership”*



**Ronald Vaughn**, FACI, has been the Director of Technical Services for Northeast Solite Corp., Saugerties, NY, USA, for the last 11 years. Vaughn has many years of experience with ACI. His awards include the 2007 ACI Certification Award and the 1993 ACI Chapter Activities Award. He was elected a Fellow of ACI in 1994. He also has been an active Board member of the ACI Eastern New York Chapter since 1974. He is a member of the American Society of Civil Engineers (ASCE) and ASTM International. Vaughn has served as Concrete Canoe Head Judge three times for the Upstate NY Section of ASCE, most recently in 2018.

He is Chair of ACI Committee E710, ACI University Programs, which makes recommendations to the Educational Activities Committee (EAC) for information inclusion in ACI University. He is a member of ACI Committees 211, Proportioning Concrete Mixtures; 237, Self-Consolidating Concrete; 345, Bridge Construction and Preservation; C610, Field Technician Certification; C612, Self-Consolidating Concrete Technician Certification; C630, Construction Inspector Certification; C631, Concrete Transportation Construction Inspector Certification (former Chair); and E905, Training Programs. He has also served on the Educational Activities Committee and the Membership Committee.

Vaughn was previously employed with Atlantic Testing, WR Grace, Advance Testing, and Soil and Material Testing and has more than 50 years of experience in construction inspection and testing. He was educated at the University of Florida, Gainesville, FL, USA, in civil engineering and building construction.

# Awards

## CHAPTER ACTIVITIES AWARD

The **Chapter Activities Award** was founded in 1975, and recognizes outstanding service in the promotion and development of a chapter or chapters by a member of ACI. Nominations come from the Chapter Activities Award Committee and are approved by the Board.

*“for vision, leadership, and dedication to advancing the ACI Rocky Mountain Chapter in the concrete construction industry”*



**Katie Bartojay**, FACI, is the Manager of the U.S. Bureau of Reclamation’s Concrete and Structural Laboratory in Denver, CO, USA. She has been on a team of concrete experts at Reclamation for 15 years and was Reclamation’s 2011 Engineer of the Year.

Bartojay was named a Fellow of ACI in 2016 and is Past President of the ACI Rocky Mountain Chapter. She is Secretary of ACI Committee 207, Mass and Thermally Controlled Concrete, and is the Committee on Awards for Papers Subcommittee Chair for the ACI Construction Award. She is also a member of ACI Committees 211, Proportioning Concrete Mixtures, and 230, Soil Cement. She co-chaired the Fall 2015 ACI Concrete Convention in Denver and was the ACI Rocky Mountain Chapter student activities Chair for the 2006 Convention.

Bartojay has 22 years of concrete construction and materials experience. In 2007, she was a featured Reclamation speaker on the History Channel’s *Modern Marvels* program “Dams.” She received her BS in civil engineering from the University of Pittsburgh, Pittsburgh, PA, USA.

## Awards

*“for active and consistent contribution to the ACI Philippines Chapter in leading ACI Certification programs, providing technical expertise and expanding membership of students and professionals, and as an effective ACI Philippines Chapter leader”*



**Christian R. Orozco** is an Assistant Professor in the Institute of Civil Engineering at the University of the Philippines Diliman, Quezon City, Philippines. He has authored and co-authored over 50 technical papers and reports.

Orozco is currently the Vice President of the ACI Philippines Chapter and is an examiner for three ACI certification programs: Concrete Field Testing Technician – Grade I, Aggregates Testing Technician – Level I, and Concrete Strength Testing Technician. He is a member of the ACI Faculty Network and Regional Students Task Group. He has over a decade of experience

working with civil and environmental engineering projects in the Philippines. In concrete, his research interests include sustainability and durability of concrete, supplementary cementitious materials, cement replacements, and self-healing concrete.

He received his BS in civil engineering and his MS in environmental engineering from the University of the Philippines Diliman in 2010 and 2014, respectively. Orozco has attended training events and presented at various academic and professional conferences in Asia, Europe, and North America. He is a licensed civil engineer in the Philippines.

## Awards

*“for outstanding effort and dedication to the success and growth of the ACI Nebraska Chapter, and ongoing promotion and expansion of the certification program”*



**Kyle Adam Poff** is the General Manager at Kearney Concrete Company, Kearney, NE, USA. He started his career 21 years ago operating the company’s loader/ concrete trucks and as a yard foreman in 1999, moving into the batch office in 2004. Currently, he is the Plant Manager, assisting with the day-to-day operations of any typical ready mixed concrete plant.

He holds certifications including Nebraska Department of Roads (NDOR) Concrete Plant Technician, ACI Concrete Field Testing Technician, and ACI Adhesive Anchor Installer. He is also very active in industry associations, serving as President of the

Nebraska Concrete and Aggregate Association for 2016 and as a member of the Board of Directors and President for the ACI Nebraska Chapter. Poff is an ACI Certification Training instructor for the NDOR Plant Class and ACI Level 1 and Adhesive Anchor Installer certifications. He has also been an active member of ACI, participating in ACI Committee S801, Student Competitions. In addition, he has created and operates a nonprofit organization: Concrete Cares of Nebraska. To date, the organization has donated nearly \$250,000 to individual families battling cancer.

## Awards

*“for leadership, enthusiasm, and dedication while President of the ACI Italy Chapter, in promoting the Chapter activities and visibility at national and international levels”*



**Roberto Realfonzo** is an Associate Professor of Structural Analysis and Design in the Department of Civil Engineering at the University of Salerno (UniSa), Fisciano, Italy, and in 2017, he received the Italian National Scientific Qualification for the functions of Full Professor.

He is a member of the Academic Board of the University of Salerno in charge of the Doctorate PhD Course in Risk and Sustainability of Civil and Environmental Engineering Systems; the Scientific Committee of Federbeton, the Italian federation representing companies involved in the sectors of cement and concrete; the Editorial Board of *Frontiers in Materials* and *Frontiers in Built Environment* (Frontiers Open Access Publisher); and the Editorial Board of *Current Chinese Science: Structural Engineering* (Benthan Science Publishers).

Realfonzo was the President of the ACI Italy Chapter from February 2013 to January 2019 and is the Chairman of the International Workshop on Durability and Sustainability of Concrete Structures (DSCS) (the last edition was held in Moscow in June 2018). He has also been a member of *fib* Task Group 4.2, Bond Models. He is the author or co-author of over 180 manuscripts, guidelines, and reports on various topics, including seismic design of reinforced concrete (RC) buildings; strengthening and retrofitting of RC and masonry structures by using fiber-reinforced polymer (FRP)/fabric-reinforced cementitious matrix systems; bond of steel and FRP reinforcing bars to concrete; and durability of concrete structures.

# Awards

## WALTER P. MOORE, JR. FACULTY ACHIEVEMENT AWARD

The **Walter P. Moore, Jr. Faculty Achievement Award** was established in 2001 to honor the late Walter P. Moore, Jr., PhD, PE, NAE. Moore was an ACI Fellow, an ACI Board member, and a structural engineer in Texas who believed in the development of educators committed to the teaching of concrete. This award is given to an individual with less than 7 years served in all faculty positions. The award recognizes excellence and innovation in the teachings of concrete design, materials, or construction, with demonstrated evidence of technical competence, high character, and integrity.

*“for blending new technologies, hands-on experiences, and storytelling to motivate students and to make concrete design concepts tangible”*



**Anahid Behrouzi** is in her fifth year as an Assistant Professor of architectural engineering at California Polytechnic State University, San Luis Obispo, CA, USA.

Behrouzi is a member of ACI Committees 133, Disaster Reconnaissance, and S805, Student Leadership Council, as well as the ACI Foundation’s Scholarship Council. Within S805, she has served as the committee adviser and task group Chair for the Graduate Student Travel Stipend Contest. Previously, she was a member of the Student and Young Professional Activities Committee and a judge for the 2019 ACI Excellence in Concrete Construction Awards. She was winner of the

2018 ACI Young Professional Essay Contest and recipient of the 2014-2015 ACI Presidents’ and 2015-2016 Tribute to the Founders Fellowships. She is also a member of the American Society of Civil Engineers (ASCE). Her research interests include the earthquake performance of reinforced concrete structures and advancing structural engineering education.

She received her BS in civil engineering and BA in Spanish language and literature from North Carolina State University, Raleigh, NC, USA, in 2011, and her MS and PhD in civil engineering from the University of Illinois at Urbana-Champaign, Urbana, IL, USA, in 2013 and 2016, respectively.

# ACI Foundation Awards

## ARTHUR J. BOASE AWARD

The **Arthur J. Boase Award**, presented by the ACI Foundation Concrete Research Council, was first awarded in 1971 in recognition of outstanding activities and achievements in the reinforced concrete field.

*“for outstanding research in concrete and pioneering work with fiber reinforced polymer composites; along with the knowledge, leadership, and accomplishments to bring applied research into practice for the development of ACI guidelines, standards, codes, and specifications for the concrete industry.”*



**Antonio Nanni**, FACI, is Professor and Chair of the Department of Civil, Architectural, and Environmental Engineering at the University of Miami, Coral Gables, FL, USA. He has advised 60-plus graduate students pursuing master's and doctoral degrees and has published extensively.

He is a member of ACI Committees 318, Structural Concrete Building Code; 440, Fiber-Reinforced Polymer Reinforcement; 549, Thin Reinforced Cementitious Products and Ferrocement; the International Advisory Committee; and the Committee on Codes and Standards Advocacy and Outreach. Nanni also serves as a Trustee

for the ACI Foundation. His past service to ACI includes membership on the Board of Direction, Technical Activities Committee, Educational Activities Committee, and Financial Advisory Committee.

He received the 2018 ACI Joe W. Kelly Award, the 2006 ACI Chapter Activities Award, and the 1999 ACI Delmar L. Bloem Distinguished Service Award.

Nanni's research interests include construction materials and their structural performance and field application, including monitoring and renewal with a focus on sustainability. He has studied concrete and advanced composite-based systems as the principal investigator on several research projects sponsored by federal and state agencies and private industry. His research in materials and structures has impacted the development of guides, specifications, and codes in the United States and abroad. Nanni is the Editor-in-Chief of the American Society of Civil Engineers (ASCE) *Journal of Materials in Civil Engineering (JMCE)*.

He received his BS (magna cum laude) from the University of Bologna, Bologna, Italy, in 1978; his MS from the University of Witwatersrand, Johannesburg, South Africa, in 1980; and his PhD from the University of Miami in 1985.

He is a licensed professional engineer in Italy, Florida, Pennsylvania, Missouri, and Oklahoma.

He is a licensed professional engineer in Ontario, Canada, and is a member of the Canadian Society of Civil Engineers (CSCE).

# ACI Foundation Awards

## J.C. ROUMAIN INNOVATION IN CONCRETE AWARD

The **Jean-Claude Roumain Innovation in Concrete Award**, presented by the ACI Foundation Strategic Development Council, was established in 2010 to recognize individuals who have made contributions to the improvement of manufactured materials used in the production of concrete, have developed innovative ways to use new and existing materials, have improved concrete construction and serviceability, and have contributed to a sustainable built environment.

*“for Lifelong Contribution to Innovation in concrete applications as an Early Adopter and Implementation Facilitator”*



**Claude Bédard**, FACI, is the President of Euclid Admixture Canada Inc., Saint-Hubert, QC, Canada, and the Vice President of Admixture Marketing of The Euclid Chemical Co., Cleveland, OH, USA. He has been active in the concrete industry for nearly 40 years and has been associated with Euclid for more than 30 years.

He is a member of ACI Committee 237, Self-Consolidating Concrete; a member and past Chair of the ACI Foundation Strategic Development Council (SDC); a member of the ACI Foundation Concrete Research Council (CRC); and a member and past Chair of the Canadian Standards Association (CSA) TC A23.1/A23.2,

Concrete Specification. He also served as a member of the Board of Direction of ACI, CSA, and the Standards Council of Canada, and as a former Trustee and Chair of the ACI Foundation. He is a past member of ACI Committees 212, Chemical Admixtures; 225, Hydraulic Cements; and 363, High-Strength Concrete.

Bédard received the 2015 ACI Henry C. Turner Medal, the 2012 ACI Henry L. Kennedy Award, the 2012 ACI 10th International Conference on Superplasticizers and Other Chemical Admixtures in Concrete Award, and the 2002 CSA Award of Merit. He was elected a Fellow of ACI in 2008.

His research interests include chemical admixtures and fibers, and their use in high-performance concrete applications.



# ACI Foundation Awards

## ROBERT E. PHILLEO AWARD

The **Robert E. Philleo Award** of the ACI Foundation Concrete Research Council, established in 1992, is given in recognition of a person, persons, or an organization for outstanding research in the concrete materials field, or for outstanding contributions to the advancement of concrete technology through application of the results of concrete materials research. It is given in memory of an Institute Past President and Honorary Member who was also Chair of the ACI Foundation Concrete Materials Research Council, now the Concrete Research Council.

*“for original research and implementation in standards and industry practice on concrete durability related to resistance to freezing and thawing, alkali aggregate reactions, corrosion of steel, and the use of fly ash and other cementitious materials in improving the durability and sustainability of concrete”*



**Michael D. A. Thomas**, F.A.C.I., is a Professor in the Department of Civil Engineering at the University of New Brunswick (UNB), Fredericton, NB, Canada. He has been working in the field of cement and concrete research since 1983. Prior to joining UNB in 2002, he had been on faculty at the University of Toronto, Toronto, ON, Canada, since 1994, and previous to this he worked as a Concrete Materials Engineer with Ontario Hydro in Canada (1991-1993) and as a Research Fellow with the Building Research Establishment in the UK (1986-1991).

Thomas's research interests include concrete durability and the use of industrial by-products, including pozzolans and slag. His studies on durability have included alkali-silica reaction, delayed ettringite formation, sulfate attack, deicer salt scaling, carbonation, chloride ingress, and embedded steel corrosion. He is also active in the area of service-life modeling and in the repair and maintenance of concrete structures. He has authored more than 200 technical papers and reports on these subjects, including the book *Supplementary Cementing Materials in Concrete*; he is also a co-author of the service-life model Life-365 (Version 1).

Thomas is active on technical committees within ACI, ASTM International, RILEM, and the Canadian Standards Association (Awarded Order of Merit in 2010). He was a recipient of ACI's Wason Medal for Materials Research in 1997, 2009, and 2014 and the ACI Construction Practice Award in 2001. He was elected a Fellow of ACI in 2006. He is also a Fellow of the Institute of Concrete Technology in the UK.

He is also the President of C&CS Atlantic Inc. and provides consulting services in the areas of concrete materials, durability, and rehabilitation, and expert testimony for litigation.

He is a licensed professional engineer in the province of New Brunswick.

## KNOWLEDGE TO PRACTICE AWARD

The **Knowledge to Practice Award**, is given to a Foundation volunteer who has shown exceptional dedication to our mission. This award recognizes an outstanding individual volunteer who has driven the Foundation further with their dedication in time, engagement, and commitment.

*“Honoring an ACI Foundation volunteer who has made countless noteworthy volunteerism contributions that are above and beyond what is reasonably expected.”*



**Michael J. Schneider**, FACI, is the Senior Vice President and Chief People Officer at Baker Concrete Construction, Inc. Michael has been highly engaged and has served the ACI Foundation and its Councils for over a decade, most recently as the ACI Foundation Chair. Schneider is an active, long-time member of CRC, served on SDC as past Council Chair, and has worked with the Scholarship Council on ensuring recurring commitments for the three Baker Fellowships since their inception in 2008. He is currently serving his third year on the ACI Foundation Development Committee. In that role, he secured over \$40K for the ACI Foundation

by using his network with the Greater Miami Valley Chapter to match the ACI Foundation annual appeal two years in a row and has recently met with several past ACI presidents to discuss the growth, opportunities, and programs of the ACI Foundation. Michael has worked to engage the ACI Board and ACI Foundation Trustees to help secure 100% Board giving and contributes personally every year to the Foundation. He continues to help build and sustain a culture of philanthropy within the organization through cultivation and stewardship while dedicating time and attention to help students, researchers, and innovation in the concrete industry.

# Awards

## Chapter Awards

### CITATIONS OF EXCELLENCE

These awards are presented to chapters that have achieved excellence in chapter activities and have made significant contributions to the activities of ACI.

There are 45 possible points. Those chapters receiving 25 or more points are deemed to have achieved a ranking of “excellent.” Those receiving a minimum of 18 points up to a maximum of 24 points are accorded “outstanding” status.

### Excellent Chapters 2020

Arizona Chapter  
Houston Chapter  
India Chapter

Kansas Chapter  
Louisiana Chapter  
Northwest Mexico Chapter  
Philippines Chapter

### Outstanding Chapters 2020

Carolinas Chapter  
Central & Southern Mexico Chapter  
Eastern Pennsylvania & Delaware Chapter  
Georgia Chapter  
Greater Michigan Chapter  
Illinois Chapter  
Intermountain Chapter  
Las Vegas Chapter  
Maryland Chapter  
Minnesota Concrete Council Chapter  
Missouri Chapter

National Capital Chapter  
Nebraska Chapter  
New Jersey Chapter  
New Mexico Chapter  
Northeast Mexico Chapter  
Northern California/Western Nevada Chapter  
Pittsburgh Area Chapter  
Republic of Colombia Chapter  
Rocky Mountain Chapter  
San Diego International Chapter  
Southern California Chapter  
Washington Chapter

# Awards

## University Awards

### ACI AWARD FOR UNIVERSITY STUDENT ACTIVITIES

Similar to ACI's annual award for excellent and outstanding chapters, the ACI Award for University Student Activities identifies the universities that qualify for excellent or outstanding status, based on points received for their participation in select ACI-related activities/programs. Points are based on the number of ACI student members at the university, university students serving on ACI committees, and university students/faculty attending ACI conventions; the presence of an active ACI student chapter at the university; local ACI chapter participation in meetings/events and other concrete-related industry, such as events, meetings, competitions, and university/student participation in ACI's competitions; and community outreach.

For those universities receiving 12 or more points, they will be accorded "excellent"

status, while those receiving between 6 to 11 points will receive "outstanding" status.

### 2020 Excellent University Award

|  |   |
|--|---|
| Auburn University (USA)                                  | Universidad de San Carlos de Guatemala, Ingeniería                  |
| Escuela Superior Politécnica del Litoral (Ecuador)       | Universidad de Sonora (Mexico)                                      |
| Iowa State University (USA)                              | Universidad Mariano Gálvez, Arquitectura (Guatemala)                |
| Islamic University of Technology (IUT) (Bangladesh)      | Universidad Mariano Gálvez, Arquitectura, Huehuetenango (Guatemala) |
| Kansas State University (USA)                            | Universidad Mariano Gálvez, Ingeniería, Central Campus (Guatemala)  |
| Kongu Engineering College (India)                        | Universidad Nacional Autónoma de México                             |
| Manuel L. Quezon University (Philippines)                | Universidad Nacional de Ingeniería (Peru)                           |
| New Jersey Institute of Technology (USA)                 | Universidad Peruana de Ciencias Aplicadas (Peru)                    |
| Oklahoma State University (USA)                          | Universidad Rafael Landívar, Campus Central (Guatemala)             |
| Pontificia Universidad Católica del Ecuador              | Universidad Rafael Landívar, Quetzaltenango (Guatemala)             |
| PSG Institute of Technology and Applied Research (India) | Universidad San Francisco de Quito (Ecuador)                        |
| Tanta University (Egypt)                                 | University of Balamand (Lebanon)                                    |
| Universidad Autónoma de Nuevo León (Mexico)              | University of Florida (USA)   |
| Universidad Autónoma de San Luis Potosí (Mexico)         | University of Illinois at Urbana-Champaign (USA)                    |
| Universidad Da Vinci de Guatemala, Arquitectura          | University of Sherbrooke (Canada)                                   |
| Universidad de Cuenca (Ecuador)                          | University of Victoria (Canada)                                     |
| Universidad de San Carlos de Guatemala, CUNOC            |   |

# Awards

## 2020 Outstanding University Award

- Arab Academy for Science Technology & Maritime Transport (Egypt)
- Bataan Peninsula State University (Philippines)
- British Columbia Institute of Technology (Canada)
- Cebu Institute of Technology-University (Philippines)
- Chittagong University of Engineering & Technology (Bangladesh)
- D. Y. Patil College of Engineering, Pune (India)
- Dalhousie University (Canada)
- Facultad de Estudios Superiores Aragón (Mexico)
- FEU Institute of Technology (Philippines)
- Instituto Politécnico Nacional (Mexico)
- Instituto Tecnológico de Iztapalapa (Mexico)
- Instituto Tecnológico de La Paz (Mexico)
- Islamic University of Lebanon
- Missouri University of Science and Technology (USA)
- Nandha Engineering College-Autonomous (India)
- NED University of Engineering & Technology (Pakistan)
- North Carolina State University (USA)
- Pontificia Universidad Católica del Perú
- Rose-Hulman Institute of Technology (USA)
- Salahaddin University-Erbil (Iraq)
- San Jose State University (USA)
- Technological Institute of the Philippines-Manila
- Tecnológico Nacional de México, Acayucan (Mexico)
- Tecnológico Nacional de México-ITCV
- Universidad Andina del Cusco (Peru)
- Universidad Autónoma de Chiapas (Mexico)
- Universidad Autónoma de Coahuila (Mexico)
- Universidad Autónoma de Guerrero (Mexico)
- Universidad Autónoma de Yucatán (Mexico)
- Universidad Autónoma del Estado de México
- Universidad Autónoma del Noreste (Mexico)
- Universidad Autónoma Metropolitana (Mexico)
- Universidad Católica de Santa María (Peru)
- Universidad Cesar Vallejo (Peru)
- Universidad Continental (Peru)
- Universidad de Guadalajara (Mexico)
- Universidad de Lima (Peru)
- Universidad de San Carlos de Guatemala, FARUSAC
- Universidad del Valle de Guatemala
- Universidad Galileo (Guatemala)
- Universidad Mariano Gálvez, Arquitectura, Antigua (Guatemala)
- Universidad Mariano Gálvez, Ingeniería, Huehuetenango (Guatemala)
- Universidad Mariano Gálvez, Ingeniería, Quetzaltenango (Guatemala)
- Universidad Mariano Gálvez, Jutiapa (Guatemala)
- Universidad Mesoamericana Sede Quetzaltenango (Guatemala)
- Universidad Nacional de San Agustín (Peru)
- Universidad Nacional de San Antonio Abad del Cusco (Peru)
- Universidad Nacional de Trujillo (Peru)
- Universidad Nacional Federico Villarreal (Peru)
- Universidad Nacional Intercultural de Quillabamba (Peru)
- Universidad Nacional Mayor de San Marcos (Peru)

# Awards

Universidad Peruana del Centro (Peru)

Universidad Popular Autónoma del Estado de Puebla (Mexico)

Universidad Popular de la Chontalpa (Mexico)

Universidad Privada del Norte-Lima (Peru)

Universidad Rafael Landívar, de La Verapaz (Guatemala)

Universidad Ricardo Palma (Peru)

Universidad San Ignacio de Loyola (Peru)

Universidad Tecnológica del Perú

Universidad Tecnológica del Perú, Arequipa

University of Houston-Downtown (USA)

University of Miami, CAE (USA)

University of North Carolina-Charlotte (USA)

University of the District of Columbia (USA)

University of Toledo (USA)

University of Wisconsin-Platteville (USA)

*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](http://www.concrete.org), or by contacting Rachel Belcher at [aci.awards@concrete.org](mailto:aci.awards@concrete.org).*

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