



VIRTUAL
**CONCRETE
CONVENTION**



2021

AWARDS PROGRAM

OCTOBER 20, 2021

Table of Contents

2021 Listing of Awardees.....	2
Arthur R. Anderson Medal.....	3
Roger H. Corbetta Concrete Constructor Award.....	4
Joe W. Kelly Award.....	5
Alfred E. Lindau Award.....	6
Henry C. Turner Medal.....	7
Charles S. Whitney Medal.....	8
ACI Concrete Sustainability Award.....	9
Wason Medal for Most Meritorious Paper.....	10
ACI Symposium Volumes Award.....	11-14
Wason Medal for Materials Research.....	15, 16
Mete A. Sozen Award for Excellence in Structural Research.....	17, 18
ACI <i>Concrete International</i> Award.....	19
ACI Education Award.....	20

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

2021 Listing of Awardees

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

PERSONAL AWARDS

ARTHUR R. ANDERSON MEDAL

Ron Klemencic

ROGER H. CORBETTA CONCRETE CONSTRUCTOR AWARD

Chris A. Forster

JOE W. KELLY AWARD

Mary Beth Deisz Hueste

ALFRED E. LINDAU AWARD

Werner Fuchs

HENRY C. TURNER MEDAL

Arturo Gaytan Covarrubias

CHARLES S. WHITNEY MEDAL

Michael M. Sprinkel

ACI CONCRETE SUSTAINABILITY AWARD

Kimberly Waggle Kramer

PAPER AWARDS

WASON MEDAL FOR MOST MERITORIOUS PAPER

Emmanuel K. Attiogbe

ACI SYMPOSIUM VOLUMES AWARD

Kjell Tore Fosså • Anton Gjørven • Kåre O. Hæreid • Jameel Khalifa • Widiyanto

WASON MEDAL FOR MATERIALS RESEARCH

Deborah Glosser • O. Burkan Isgor • W. Jason Weiss

METE A. SOZEN AWARD FOR EXCELLENCE IN STRUCTURAL RESEARCH

Shih-Ho Chao • Youngjae Choi

ACI CONCRETE INTERNATIONAL AWARD

Scott Tarr

SERVICE AWARDS

ACI EDUCATION AWARD

Cecil Jones

Awards

ARTHUR R. ANDERSON MEDAL

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

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

“for his outstanding leadership in taking research to practice through innovative design, industry collaboration, and chartering new ground in structural engineering”



Ron Klemencic, FACI, is Chairman and CEO of Magnusson Klemencic Associates (MKA), a structural and civil engineering firm headquartered in Seattle, WA, USA.

Actively engaged with ACI in numerous capacities over the past 30 years, Klemencic served on the ACI Board of Direction between 2009 and 2012, the ACI Fellows Nomination Committee between 2010 and 2013, and the ACI Chester Paul Siess (now the Mete A. Sozen) Award for Excellence in Structural Research Subcommittee as a member and Chair between 2006 and 2007. From 2002 to 2019, he served as a member of ACI

Committee 318, Structural Concrete Building Code.

Klemencic was named a Fellow of ACI in 1990 and an American Society of Civil Engineers (ASCE) Distinguished Member in 2020. He received the 2019 ASCE Outstanding Projects and Leaders (OPAL) Award and the 2010 ACI Alfred E. Lindau Award.

One of the preeminent high-rise structural engineers practicing today, Klemencic is consistently sought out by developers, architects, and contractors for his creativity, “big picture” approach, and unique ability to produce innovative and cost-effective designs. His research efforts have paved the way for engineering innovations such as performance-based seismic design standards, the development of numerous ACI 318 Code changes, and a variety of concrete-centric design initiatives through the Charles Pankow Foundation and MKA Foundation.

Klemencic received his BS in civil engineering from Purdue University, West Lafayette, IN, USA, in 1985, and his MS in engineering from the University of California, Berkeley, Berkeley, CA, USA, in 1986. He is a licensed professional engineer in 11 states and has practiced internationally in 24 countries.

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.

“for his outstanding contributions in the fields of safety, productivity, and constructability in concrete construction”



Chris A. Forster, F.A.C.I., is Vice President of Operations for Largo Concrete, Inc., headquartered in Tustin, CA, USA. He has over 37 years of experience in the construction industry.

Forster is a Fellow of ACI and has authored numerous articles. He is Chair of ACI Committee 303, Architectural Cast-in-Place Concrete, and is a member of ACI Subcommittee 301-F, Architectural Concrete. He has served on the ACI Chapter Activities Committee, Fellows Nomination Committee, Construction Liaison Committee, Concrete Research Council, and has cochaired two ACI conventions in Los Angeles, CA, in

2008 and 2017. He is Past President of the ACI Southern California Chapter, which he led in 2010. He is also Past President of the American Society of Concrete Contractors (ASCC), which he led from 2019 to 2020, and he remains active on the ASCC Board of Directors.

Forster received the Sam Hobbs Service Award in 2015 from the ACI Southern California Chapter for his service to the chapter. He was named one of the five most influential people in the concrete industry in 2010 by *Concrete Construction* magazine.

His research interests include architectural concrete, construction safety, productivity, and constructability in concrete construction.

Forster received his BS in construction management from California Polytechnic State University, San Luis Obispo, CA, USA, in 1984, and completed his postgraduate work at the UCLA Anderson School of Management at the University of California, Los Angeles, Los Angeles, CA, USA, in 1995. He earned ACI Certification as an ACI Advanced Concrete Flatwork Finisher and Technician and is also Face F-Meter certified.

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 her outstanding contributions to educating the next generation of engineers and her leadership in advancing the concrete industry through research and committee activities”



Mary Beth Deisz Hueste, FACI, is a Professor in the Zachry Department of Civil and Environmental Engineering at Texas A&M University, College Station, TX, USA. She joined Texas A&M University in 1998, where she is a member of the structural engineering faculty and Associate Department Head for Undergraduate Programs. She is also the Major Highway Structures Program Manager and Acting Division Head for the Construction, Geotechnical and Structures Division within the Texas A&M Transportation Institute.

Hueste is a Fellow of ACI and is a member of the ACI Technical Activities Committee (TAC). She is past Chair and a current member of Joint ACI-ASCE Committee 352, Joints and Connections in Monolithic Concrete Structures; and is a member of ACI Committees 318, Structural Concrete Building Code, and 374, Performance-Based Seismic Design of Concrete Buildings; and ACI Subcommittees 318-E, Section and Member Strength, and 318-J, Joints and Connections. She is also a member of the American Society of Civil Engineers (ASCE) and the Precast/Prestressed Concrete Institute (PCI). She received the 2016 ACI Delmar L. Bloem Distinguished Service Award.

Hueste’s research interests include earthquake-resistant design of reinforced concrete structures, performance-based seismic design, design and evaluation of prestressed concrete bridge structures, and assessment of aging infrastructure. She has authored or coauthored over 100 technical papers and reports. She teaches courses in structural engineering, including structural concrete design, prestressed concrete design, and advanced reinforced concrete design, along with an undergraduate structural engineering capstone design course.

Hueste received her BS from North Dakota State University, Fargo, ND, USA, in 1988; her MS from the University of Kansas, Lawrence, KS, USA, in 1993; and her PhD from the University of Michigan, Ann Arbor, MI, USA, in 1997, all in civil engineering. She is a licensed professional engineer in Kansas and Texas.

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.

“for substantial and original contributions to the development of the Concrete Capacity Design Method for Anchorage to Concrete and continual support for harmonization of international design standards for application of adhesive and mechanical fasteners to concrete”



Werner Fuchs, FACI, retired from his position as Director of Fastening Technology Research at the University of Stuttgart, Stuttgart, Germany, in 2021. He now works as an independent Consulting Engineer and as an Honorary Professor at the Karlsruhe Institute of Technology, Karlsruhe, Germany. He has nearly 40 years of experience in research, development, testing, and design in the field of mechanical and bonded anchoring to concrete and masonry. He has published numerous papers in these disciplines.

Fuchs has been active in ACI since 1992 and was honored as a Fellow of ACI in 2016. He is a member of

ACI Committees C680, Adhesive Anchor Installer Certification; C681, Concrete Anchor Installation Inspector Certification; and Task Group E905-TG2, Adhesive Anchor Manual Review. He is also a member of ACI Committees 349, Concrete Nuclear Structures; 355, Anchorage to Concrete; Joint ACI-ASCE Committee 408, Bond and Development of Steel Reinforcement; and ACI Subcommittees 318-B, Anchorage and Reinforcement, and 318-L, International Liaison. He is also a member of various European Committee for Standardization (CEN) Committees responsible for the development of code provisions in the fields of design of concrete structures, precast concrete, and fastening technology.

Fuchs received his graduate degree in structural engineering from the Karlsruhe Institute of Technology, and his PhD from the University of Stuttgart, under the direction of Rolf Eligehausen. Following a postdoctoral fellowship at The University of Texas at Austin, Austin, TX, USA, with John E. Breen, he assumed a senior position at Hilti's Research and Development Center in Kaufering, Germany. In 1997, Fuchs returned to the University of Stuttgart, where he managed research and coordination of projects in different fields pertaining to fastenings in concrete and masonry until 2021.

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 dedicated leadership and service to ACI and the concrete industry through committee work, seminars/webinars, and extraordinary efforts to promote concrete throughout Latin America”



Arturo Gaytan Covarrubias, FACI, is Innovation and Sustainability Manager at CEMEX México, based in Mexico City, Mexico, where he has worked in different positions for 18 years. He is also Treasurer of the Mexican Ready-Mix Concrete Association, Founder and President of the Mexican Institute for Sustainable Concrete, and Liaison Director of the ACI Northwest and ACI Southeast Mexico Chapters.

He has been a Fellow of ACI since 2018 and is a member of several ACI committees, including the Educational Activities Committee, International Certification, Personal Awards Committee, International

Advisory Committee, and the ACI Committee S801 Regional Student Competitions Task Group. He is also a member of ACI Committees 121, Quality Assurance Systems for Concrete; and 130, Sustainability of Concrete; and ACI Subcommittees 130-D, Rating Systems/Sustainability Tools, and 130-H, Climate Change Impacts on the Sustainability of Concrete. He is Past President of the ACI Central and Southern Mexico Chapter, which he led from 2013 to 2014. He is also a member of ASTM International Committees C09, Concrete and Concrete Aggregates, and E60, Sustainability.

Covarrubias received the ACI Young Member Award for Professional Achievement and was named an International Electrotechnical Commission (IEC) Young Professional in 2012. He received the 2018 ACI Chapter Activities Award.

Covarrubias received his BS in civil engineering from the National Autonomous University of Mexico (UNAM), Mexico City, Mexico in 2002, and his ME in quality and productivity from the Monterrey Institute of Technology and Higher Education, Monterrey, Nuevo León, Mexico, in 2009.

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 50 years of outstanding applied research and leadership toward the protection, repair, and rehabilitation of concrete structures”



Michael M. Sprinkel, FACI, is past Associate Director at the Virginia Transportation Research Council, Charlottesville, VA, USA, where he served in various research positions from 1972 to 2019. He directed the Materials Research Program from 1992 to 2017 and the Structures Research Program from 2017 to 2019. He is currently working part-time as a Senior Research Scientist. He has published 116 papers and 68 reports with an emphasis on polymer and hydraulic cement concretes used for concrete structures. He has been a major contributor to the ACI guides and specifications on polymer concrete overlays, adhesives, and repair materials.

Sprinkel has been a Fellow of ACI since 1995. He is Chair of ACI Committee 548, Polymers and Adhesives for Concrete, and ACI Subcommittee 563-M, Polymer Concrete/Overlays; past Chair and a current member of the TAC Construction Standards Committee, and ACI Committee 345, Bridge Construction and Preservation; past Chair of ACI Committee 503, Adhesives for Concrete (merged with ACI Committee 548 in 2009), and ACI Subcommittee 546-D, Packaged Repair Materials; and a member of ACI Committees 345, Bridge Construction and Preservation; 546, Repair of Concrete; 563, Specifications for Repair of Structural Concrete in Buildings; and the Fellows Nomination Committee. He is a past member of the ACI Board of Direction and TAC.

He has been a Fellow of ASCE since 2005 and PTI since 2015. He is Member Emeritus of TRB Standing Committees AKM60 and AKM90. He was Chair of the committee that prepared “Guide Specifications for Polymer Concrete Bridge Deck Overlays,” published by AASHTO in 1995.

He received the 2018 Jean-Claude Roumain Innovation in Concrete Award from the ACI Foundation’s SDC and the 2012 Robert E. Philleo Award from the ACI Foundation’s CRC.

Sprinkel received his BS and ME in civil engineering in 1972 and 1975, respectively, from the University of Virginia, Charlottesville, VA. He is a licensed professional engineer in Virginia.

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 outstanding leadership and contributions, including bringing greater awareness to the environmental, social, and economic benefits of concrete sustainability”



Kimberly Waggle Kramer, FACI, is a Professor and the G.E. Johnson Construction Science Chair in the GE Johnson Department of Architectural Engineering and Construction Science at Kansas State University (KSU), Manhattan, KS, USA. In her role at KSU since 2003, Kramer has served as primary advisor for 53 graduate students in architectural engineering and has been a committee member for 48 additional students in architectural engineering and civil engineering. Periodically, she has been the faculty advisor for the ACI KSU Student Chapter.

Her ACI membership started in 1993 and a year later she was President-elect of the ACI Oklahoma Chapter.

Additionally, she served as Director of the ACI Kansas Chapter from 2006 to 2008. She was honored as a Fellow of ACI in 2014. She is past Chair of ACI Committee 124, Concrete Aesthetics; and is Chair of ACI Committee E702, Designing Concrete Structures, and ACI Subcommittee 130-G, Sustainability Education. She is a member of the ACI Educational Activities Committee and ACI Committees 120, History of Concrete; 130, Sustainability of Concrete; 364, Rehabilitation; and 551, Tilt-Up Concrete Construction. She has also served on ACI Committee SA03, Mete A. Sozen Award for Excellence in Structural Research, and the ACI Construction Liaison Committee. Additionally, she is a member of the American Society of Civil Engineers (ASCE) and the Precast/Prestressed Concrete Institute (PCI).

Kramer’s research interests include the design of sustainable structures and rehabilitation/restoration of existing structures in the built environment.

Kramer received her BS in architectural engineering from KSU in 1989; her ME in civil engineering from the University of Texas at Arlington, Arlington, TX, USA, in 1999; and her PhD in civil engineering from KSU in 2020. She has 32 years of experience working in the field of structural engineering and is a licensed professional engineer in 13 states. She is also an ACI-approved examiner for Tilt-Up Supervisor and Technician Certification and has administered over 350 exams to students since 2005.

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.

“Advanced analysis of alternative technology to air entrainment for protection of concrete from freezing-and-thawing damage”

(“Compliance Concept in Protection of Concrete from Freezing-and-Thawing Damage” published in the November 2020 issue of the *ACI Materials Journal*, pp. 187-200.)



Emmanuel K. Attiogbe, FACI, is a Research Engineer in private practice in Discovery Bay, CA, USA. He retired in 2016 as Head of Innovation for development of alternative reinforcements for concrete at BASF Construction Chemicals, now Master Builders Solutions. He has authored or coauthored over 60 technical papers and reports. He holds four patents on the development and evaluation of innovative materials to enhance the durability and structural performance of concrete.

He served on the ACI Board of Direction from 2009 to 2012. He is a member of ACI Committees 231, Properties of Concrete at Early Ages; 236, Material Science of Concrete; and 544, Fiber Reinforced Concrete. He is also a member of the Concrete Research Council of the ACI Foundation and, from 2005 to 2013, was Chair of the TAC Technology Transfer Committee and the Technology Transfer Advisory Group of the ACI Foundation Strategic Development Council. He received the 2015 ACI Henry L. Kennedy Award and the 1995 ACI Wason Medal for Materials Research. He is a Life Member of the American Society of Civil Engineers (ASCE) and a member of ASTM International. His research interests include durability and micromechanics of concrete.

He received his BSc in civil engineering from the Kwame Nkrumah University of Science and Technology, Kumasi, Ghana, in 1977, and his MS and PhD in civil engineering from the University of Kansas, Lawrence, KS, USA, in 1980 and 1985, respectively.

Awards

ACI SYMPOSIUM VOLUMES AWARD

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

“Analysis of extreme loads such as 10,000-year iceberg impact and wave loads, and an overview of the design and construction techniques used to achieve a cost-efficient platform”

(“Hebron Offshore Concrete Gravity-Based-Structure: Novel Design and Construction Techniques” in SP-337, February 2020, pp. 21-39.)



Kjell Tore Fosså is a Manager for Concrete Technology in Aker Solutions AS (former Kvaerner) and is a part-time Professor at the University of Stavanger, Stavanger, Norway. He has authored and coauthored several technical papers and reports. Fosså is presently responsible for research and development programs within concrete technology and construction methods at Aker Solutions.

He is a member of ACI Committee 357, Offshore and Marine Concrete Structures.

His research interests include offshore concrete structures, as well as concrete material technology and

slipforming of concrete structures.

He received his MEng in structural engineering from the Royal Institute of Technology, Stockholm, Sweden, and his PhD in slipforming of vertical concrete structures from the Norwegian University of Science and Technology, Trondheim, Norway, in 2001.

Awards



Anton Gjørven is a Concrete Design and FEM-Analysis Specialist and former Structural Engineer at Norconsult A.S., Sandvika, Norway. He has served in this profession approximately 50 years and retired in 2015, but still works part-time.

His research interests include earthquake design of concrete structures; storage facilities for oil and gas products; concrete and steel design of structures subjected to static and dynamic loading; finite element modeling (FEM)—including calculations, construction, control, and maintenance work of various types of structures; concrete storage tanks for oil and gas

products, bridges, buildings, structures in hydropower, and underground storage facilities; concrete base structures for offshore oil and gas production platforms; precast concrete elements; expert tasks related to design of structures in seismic areas and response of concrete structures from dynamic loads in general—wind, waves, and vibrations from machineries; design of structures serving as fortification, exposed to explosion and design of high-pressure protecting barriers; interaction between concrete and rocks during shock wave pulse transfer; behavior of concrete exposed to extreme temperatures due to fire; FEM analyses of complicated interaction between concrete and rock or soil (nonlinear static analyses); and structural vibrations from explosions.

Gjørven received his MSc in civil and structural engineering from the Norwegian University of Science and Technology, Trondheim, Norway.

Awards



Kåre O. Hæreid has been the General Manager for Concrete Structures AS, Oslo, Norway, since 2010. From 1982 until 2010, he was an employee at Dr.techn. Olav Olsen AS in Oslo, serving for many years as Director of the Offshore Department.

His research interests include concept studies and structural design with a main emphasis on offshore projects, including both fixed and floating structures; general knowledge of hydrodynamic behavior; and detailed knowledge about hydrostatic stability, design principles, rules and regulations, structural detailing, and preparation of project documentation.

He has broad international experience as Engineering Manager and Civil Engineering Manager from a number of offshore projects, mainly in Canada, France, Russia, and Australia.

He is also coinventor of 10 different patents related to marine structures such as floating and fixed platforms for the oil and gas industry in addition to floating lifting vessels and fish farm concepts.

He received his BS in civil engineering from The Highschool of Engineering, Bergen, Norway, in 1978, and his MSc in civil engineering from The Norwegian University of Technology, Trondheim, Norway, in 1981.

Gjørven received his MSc in civil and structural engineering from the Norwegian University of Science and Technology, Trondheim, Norway.



Jameel Khalifa is an Engineering Manager for Global Projects for ExxonMobil, Spring, TX, USA. He has 40 years of experience in project and engineering management, structural design, forensic engineering, and construction of major capital projects (\$10B+) both offshore and onshore in the Oil and Gas and other industries. He has worked in many different countries (10+) and various cultures. He has authored and coauthored numerous technical papers.

Khalifa is a member of ACI Committee 376, Concrete Structures for Refrigerated Liquefied Gas Containment.

He received his BS in civil engineering from the University of Engineering and Technology, Lahore, Pakistan, in 1980, and his MS and PhD in structural engineering from the University of Toronto, Toronto, ON, Canada, in 1982 and 1986, respectively. He is a licensed professional engineer in the province of Ontario.

Awards



Widiyanto is a Lead Structural Engineer at ExxonMobil, currently working on an international project assignment in France. One of the highlights of Widiyanto's career with ExxonMobil is working on the Hebron project (one of the latest major concrete offshore structures) from the end of Front End Engineering Design (FEED), detailed design, and construction until the final installation and commissioning, both in concrete gravity-based structures (GBS) and topsides structures. Widiyanto has also worked for Bechtel Oil, Gas, and Chemicals and as a Lecturer of reinforced concrete design at the University of Houston, Houston, TX, USA.

Widiyanto is Chair of ACI Task Group 357-TG1, ACI 357R-84 Revision, and a member of ACI Committees 351, Foundations for Equipment and Machinery; 357, Offshore and Marine Concrete Structures; 370, Blast and Impact Load Effects; 376, Concrete Structures for Refrigerated Liquefied Gas Containment; and Joint ACI-ASCE Subcommittee 445-C, Shear & Torsion-Punching Shear. He is also a member of American Society of Civil Engineers (ASCE) Task Committee of Anchor Bolt Design for Petrochemical Facilities. His research interests include concrete marine/offshore structures, concrete liquefied gas containment structures, and anchorage in concrete.

He received his BS in 2001, his MSE in 2003, and his PhD in 2006, all in civil engineering, from The University of Texas at Austin, Austin, TX. He is a licensed professional engineer in Texas.

Awards

WASON MEDAL FOR MATERIALS RESEARCH

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

“Development and experimental verification of a model that uses binder composition to predict reaction products, pH, and pore solution chemistry in hydrating cementitious systems”

(“Non-Equilibrium Thermodynamic Modeling Framework for Ordinary Portland Cement/Supplementary Cementitious Material Systems” published in the November 2020 issue of the *ACI Materials Journal*, pp. 111-123.)



Deborah Glosser is an Assistant Professor in Engineering and Design and the Institute for Energy Studies at Western Washington University, Bellingham, WA, USA.

Her research interests include thermodynamic modeling of materials and numerical methods in materials science.

She received her MS in geophysics from the University of Pittsburgh, Pittsburgh, PA, USA, in 2013, and her PhD in civil engineering from Oregon State University, Corvallis, OR, USA, in 2020.



O. Burkan Isgor, FACI, is a Professor in the School of Civil and Construction Engineering at Oregon State University, Corvallis, OR. He has authored or coauthored over 200 technical papers and reports.

Isgor is a Fellow of ACI and Chair of ACI Committee 222, Corrosion of Metals in Concrete, and a member of ACI Committees 236, Material Science of Concrete, and 365, Service Life Prediction. His research interests include durability of concrete, reinforcement corrosion, thermodynamic modeling of cementitious systems, and reactive-transport modeling in concrete.

He received his BS in civil engineering from Boğaziçi University, Istanbul, Turkey, in 1995, and his MS and his PhD from Carleton University, Ottawa, ON, Canada, in 1997 and 2001, respectively.

Awards



W. Jason Weiss, FACI, is the Edwards Distinguished Chair in Engineering at Oregon State University, Corvallis, OR, USA, where he has served on the faculty for 6 years. Before joining Oregon State as the Head of the School of Civil and Construction Engineering, he was a faculty member at Purdue University, West Lafayette, IN, USA, for over 16 years, where he held the position of the Jack and Kay Hockema Professor of Civil Engineering as well as the Director of the Pankow Materials Laboratory.

Weiss is a member of the ACI Board of Direction; Editor-in-Chief of the *ACI Materials Journal*, member of the Technical Activities Committee (TAC), and has chaired ACI Committees 123, Research and Current Developments, and 213, Lightweight Aggregate and Concrete. He is a Fellow of ACI and has received the 2020 ACI Arthur R. Anderson Medal; the 2018 ACI Foundation Robert E. Philleo Award; the 2007 ACI Young Member Award for Professional Achievement; the 2004 ACI Walter P. Moore, Jr. Faculty Achievement Award; and has also received the 2014 and 2009 ACI Wason Medal for Materials Research.

His research interests include early-age shrinkage and cracking, fluid transport, salt damage, and freezing-and-thawing performance of concrete. He has conducted extensive research on shrinkage-reducing admixtures, internally cured concrete, portland limestone cement, and concrete pavement performance specifications.

He received his BAE from Pennsylvania State University, State College, PA, USA, and his MS and PhD from Northwestern University, Evanston, IL, USA, in 1997 and 1999, respectively. Weiss has authored over 425 publications with over 225 peer-reviewed journal articles.

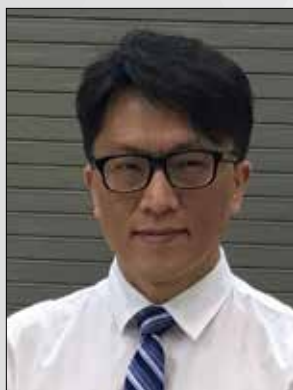
Awards

METE A. SOZEN AWARD FOR EXCELLENCE IN STRUCTURAL RESEARCH

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

“Development of a recommended design procedure for DBCBs that are a viable alternative to diagonally reinforced concrete coupling beams (DCBs) while offering favorable construction time and effort”

(“Analysis and Design of Double-Beam Coupling Beams” published in the September 2020 issue of the *ACI Structural Journal*, pp. 79-95.)



Shih-Ho Chao is a Distinguished Teaching Professor at the University of Texas at Arlington, Arlington, TX, USA. He worked as a Postdoctoral Research Fellow and Lecturer in the Department of Civil and Environmental Engineering at the University of Michigan, Ann Arbor, MI, USA, until July 2007. He became a member of the University of Texas at Arlington faculty as an Assistant Professor in 2007, earned the title of Associate Professor in 2012, and became a full Professor in 2017. He has authored or coauthored over 100 technical papers and reports.

He is a member of ACI Committees 239, Ultra-High-Performance Concrete, and 544, Fiber Reinforced Concrete; and Joint ACI-ASCE Committee 423, Prestressed Concrete. He received the 2011 ACI Chester Paul Siess Award for Excellence in Structural Research. He is also a member of the American Society of Civil Engineers (ASCE), ASTM International, and the Precast/Prestressed Concrete Institute (PCI).

His research interests include the seismic behavior of reinforced concrete structures, prestressed concrete, and ultra-high-performance fiber-reinforced cementitious materials.

He received his BS in bioenvironmental systems engineering from National Taiwan University, Taipei, Taiwan, in 1993; his MS in structural engineering from National Chung-Hsing University, Taichung, Taiwan, in 1995; and his PhD in structural and materials engineering from the University of Michigan in 2005. He is a licensed professional engineer in Texas.

Awards



Youngjae Choi is a Postdoctoral Research Fellow in the Department of Civil and Environmental Engineering at the University of California Irvine (UCI), Irvine, CA, USA. At UCI, he is conducting multiple projects that include three-dimensional (3-D) concrete printing of wind turbine towers and evaluating their seismic performance by conducting large-scale structural tests, as well as full-scale experimental tests to improve the connection durability of precast, prestressed voided slab bridge systems using nonproprietary engineered cementitious materials.

His research interests include the design and behavior of reinforced concrete structures, 3-D concrete printing, and next-generation materials. Recently, his research interests have focused on 3-D concrete printing and next-generation materials and their interfaces with structural engineering.

He received his MS in architectural engineering from Pusan National University, Busan, South Korea, in 2010, and his PhD in civil engineering from the University of Texas at Arlington, Arlington, TX, USA, in 2018.

Awards

ACI CONCRETE INTERNATIONAL AWARD

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

“Discussion of design and reinforcement requirements for slabs-on-ground, and alternative details that reduce risk of out-of-joint cracking”

(“Concrete Q & A: Design and Construction of Slabs-on-Ground,” in the November 2020 issue of *Concrete International*, pp. 87-88.)



Scott Tarr is a Consulting Engineer and President of North S.Tarr Concrete Consulting, P.C., headquartered in Dover, NH, USA. He has presented over 200 seminars and authored or coauthored over 250 technical reports and more than 70 technical publications, including the books *Concrete Floors on Ground* for the Portland Cement Association (PCA) and *Guide to the Design and Construction of Concrete Toppings for Buildings* for the American Society of Concrete Contractors (ASCC).

Tarr is Chair of ACI Committee 360, Design of Slabs on Ground; past Chair of ACI Subcommittees 301-J, Shrinkage Compensating Concrete, and 301-K, Industrial Floor Slabs; a member of ACI Committees 301, Specifications for Concrete Construction; 302, Construction of Concrete Floors; and 330, Concrete Parking Lots and Site Paving; and a former member of the Educational Activities Committee and the Committee on Nominations. He is also a member of the American Concrete Pavement Association (ACPA), American Society of Civil Engineers (ASCE), ASCC, ASTM International, and International Concrete Repair Institute (ICRI).

He received his BS and MS in civil engineering from the University of New Hampshire, Durham, NH, USA, in 1990 and 1993, respectively. He is a licensed professional engineer in Georgia, Illinois, Maine, New Hampshire, Ohio, Pennsylvania, and Washington.

Awards

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“for his tireless efforts in directing positive changes in ACI Education that both reorganized the Education Committee structure and increased ACI online offerings”



Cecil Jones, FACI, is the President of Diversified Engineering Services (DES), Inc., located in Raleigh, NC, USA. Prior to establishing DES, Inc., he was the State Materials Engineer at the North Carolina Department of Transportation, Raleigh, NC, USA. He has over 45 years of experience in construction, materials, quality management, specification development, and research.

Jones is a Fellow of ACI and is past Chair of the ACI Educational Activities Committee and ACI Committees 308, Curing Concrete; C601, New Certification Programs; and E905, Training Programs. He is a member of ACI Committees 132, Responsibility in Concrete Construction; 308, Curing Concrete; 555, Concrete with Recycled Materials; C610, Field Technician Certification; C630, Construction Inspector Certification; C631, Concrete Transportation Construction Inspector Certification; and E905, Training Programs. He is a member of the ACI Foundation Scholarship Council, served on the ACI Board of Direction, and is active in the ACI Carolinas Chapter. He is also a member of ASTM International Committees C09, Concrete and Concrete Aggregates; D04, Road and Paving Materials; and D18, Soil and Rock. He received the 2015 ACI Henry L. Kennedy Award.

Jones received his BS in civil engineering from North Carolina State University, Raleigh, NC, USA in 1973. He is a licensed professional engineer in North Carolina.



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