aci CONCRETE CONVENTION

THE WORLD'S GATHERING PLACE FOR ADVANCING CONCRETE

2022 AWARDS PROGRAM

OCTOBER 23-27, 2022

Hyatt Regency Dallas, Dallas, TX, USA

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

2022 Listing of Awardees

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

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ACI EDUCATION AWARD

Kimberly Waggle Kramer

Personal Awards

ARTHUR R. ANDERSON MEDAL

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

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

"for her outstanding contributions to the advancement of knowledge of concrete as a construction material through written publications, workshops, conferences, and classroom presentations, and standards development leadership. Her contributions reflect the most recent research, advocate current best practices, and respond to the discovery of new challenges in the field of concrete as a construction material"

Michelle L. Wilson, FACI, is Senior Director of Concrete Industry Outreach and Support at the Portland Cement Association (PCA). She has over 25 years of experience relating to concrete materials, specifications, performance, troubleshooting, and repair. She is the primary author of the PCA book, *Design and Control of Concrete Mixtures*. She is responsible for PCA's technical resources covering the entire spectrum of cement and concrete technology, including industry outreach and support for PCA's Roadmap to Carbon Neutrality. She has given numerous workshops and keynote presentations globally, including at World of Concrete, CONEXPO-CON/AGG, and the International Builders' Show.

She served on the ACI Board of Direction and was Chair of ACI Committee 301, Specifications for Concrete Construction, during the 301-20 cycle. She is a member of the ACI TAC Construction Standards Committee, and ACI Committees E707, Specification Education; 132, Responsibility in Concrete Construction; 201, Durability of Concrete; 321, Concrete Durability Code; and 329, Performance Criteria for Ready Mixed Concrete; and Joint ACI-ASCC Committee 117, Tolerances. She received the 2008 ACI Young Member Award for Professional Achievement and became a Fellow of ACI in 2010. She is also Chair of ASTM International Subcommittee C09.40, Ready-Mixed Concrete; a member of Committee C09, Concrete and Concrete Aggregates; and served on the C09 Executive Committee.

Wilson received her BS in architectural engineering from the Milwaukee School of Engineering (MSOE), Milwaukee, WI, USA, in 1994, with an emphasis in structural engineering and concrete materials. She received the 2022 MSOE Outstanding Alumna of the Year Award.

Personal Awards

ROGER H. CORBETTA CONCRETE CONSTRUCTOR AWARD

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

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

"for recognition of the many contributions he has made to the concrete industry through the use of concrete materials and construction techniques in high-rise buildings in areas of high-seismicity, and for providing enthusiastic transfer of knowledge through professional papers, presentations and standards development activities"

ACI member **James E. Klinger** is a Concrete Construction Specialist for the American Society of Concrete Contractors (ASCC), St. Louis, MO, USA. He has worked in concrete construction since 1979, and has authored or co-authored 13 technical papers and reports. He received the 2020 ACI Construction Award.

He is a freelance writer and spent several years contributing to the *Pacifica Tribune* newspaper (Pacifica, CA, USA) reporting on small-town politics, sport fishing, and commercial fishing. In 1996, he received the award for Best Newspaper Column and was named Writer of the Year by the Outdoor Writers Association of California (OWAC).

He is a member of the ACI Construction Liaison Committee; ACI Committee 134, Concrete Constructability; Joint ACI-ASCC Committee 117, Tolerances; and ACI Subcommittee 318-A, General, Concrete, and Construction. He is a member of the American Society of Civil Engineers (ASCE) and serves on the ASCC Technical Committee. His research interests include structural concrete building construction, forensic engineering, and construction defect investigations.

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

Personal Awards

CLYDE E. KESLER EDUCATION AWARD

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

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

"in recognition of his enthusiastic commitment to concrete materials education, his innovative use of social media and online teaching tools, and his outstanding concrete YouTube video collection that has attracted more than six million views"

Tyler Ley, FACI, is a Professor and the Gilbert, Cooper, W&W Steel Chair in the Department of Civil and Environmental Engineering at Oklahoma State University, Stillwater, OK, USA. He has authored or co-authored over 100 technical papers and reports.

He is Chair of ACI Subcommittee 211-I, Assessing Aggregate Gradation, and is also a member of ACI Committees 201, Durability of Concrete; 211, Proportioning Concrete Mixtures; 232, Fly Ash and Bottom Ash in Concrete; 236, Material Science of Concrete; and ACI Subcommittee 130-A, Materials. He received the 2014 ACI Walter P. Moore, Jr. Faculty Achievement Award. His research interests include concrete durability, constructability, hydration, supplementary cementitious materials, and innovative ways of teaching.

He received his BS in civil engineering from Oklahoma State University in 2000, and his MS and PhD in civil engineering from The University of Texas at Austin, Austin, TX, USA, in 2002 and 2007, respectively. He is a licensed professional engineer in California.

Personal Awards

ROBERT F. MAST AWARD

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

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

"for his outstanding contributions to the concrete industry in the design and construction of post-tensioned concrete structures through leadership, training, outreach, and advocacy"

Miroslav Vejvoda, FACI, retired from the American Concrete Institute (ACI) at the end of 2020, where he served as Managing Director, Engineering and Professional Development, of the Post-Tensioning Institute (PTI). He joined ACI in 2002 as an engineer and was assigned to PTI in 2009 as Technical Director.

At PTI, he was responsible for PTI's technical publications development, was Secretary of the Technical Advisory Board (TAB), and was the Editor of the *PTI Journal*. He was also responsible for the PTI certification and educational programs and taught countless certification classes.

He was involved in the design and construction of various post-tensioning applications across the United States and in Europe for over 40 years and focused on all aspects of post-tensioning for most of his professional career. He received his BS in structural engineering from the School of Engineering of Burgdorf, Bern, Switzerland, in 1980, and his MBA from Sheffield Hallam University, Sheffield, UK, in 1997.

Vejvoda is a Fellow of ACI and a Fellow of the American Society of Civil Engineers (ASCE). He serves on ACI Committee 301, Specifications for Concrete Construction; Joint ACI-PTI Committee 320, Post-Tensioned Structural Concrete Code; Joint ACI-ASCE Committee 423, Prestressed Concrete; and ACI Subcommittee 318-T, Post-Tensioned Concrete. He previously served as a member of ACI Committees 302, Construction of Concrete Floors; 350, Environmental Engineering Concrete Structures; 360, Design of Slabs on Ground; and Joint ACI-ASCE Committee 421, Design of Reinforced Concrete Slabs. He is also a member of PTI Technical Advisory Board Task Group TAB-TG, Code Change Proposals for ACI 318-T and ACI 320.

In 2020, he received the PTI Lifetime Member Award. He is a licensed professional engineer in California. Besides enjoying retirement, he teaches PTI certification classes and provides other consulting services.

Personal Awards

HENRY C. TURNER MEDAL

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

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

"for his career of educational outreach and professional guidance for high-quality concrete construction, and his contributions to PCA's Design and Control of Concrete Mixtures*, one of the leading reference books on concrete materials"*

Steven H. Kosmatka, FACI, retired in 2022 from the University of Wisconsin-Milwaukee, Milwaukee, WI, USA, where he was the Associate Director of the Concrete Sustainability and Resilience Center and an Adjunct Professor of civil and environmental engineering since 2019. He was Vice President of Research and Technical Services at the Portland Cement Association (PCA) from 2004 to 2018. Prior to joining PCA in 1984, he was with Twin City Testing Corporation from 1981 to 1984.

He is a Fellow of ACI and served on the ACI Board of Direction, Technical Activities Committee, Membership Committee, Marketing Committee, as well as ACI Committees 123, Research and Current Developments; 225, Hydraulic Cements; and 232, Fly Ash and Bottom Ash in Concrete. He also served on the ACI Foundation Concrete Research Council (CRC) and Strategic Development Council (SDC). He is an Honorary Member of ASTM International Committees C01, Cement, and C09, Concrete and Concrete Aggregates. He was also a member of the American Society of Civil Engineers (ASCE). His research interests include durability, high-performance concrete, and sustainability.

Kosmatka received his BS in civil engineering from the University of North Dakota, Grand Forks, ND, USA, and is a graduate of the Institute for Organization Management. He is a licensed professional engineer in Wisconsin.

Personal Awards

CHARLES S. WHITNEY MEDAL

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

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

"for its national leadership role in advancing knowledge, research, and technology transfer in concrete pavement and for leadership in identifying and advancing sustainable solutions and new technologies"

The **National Concrete Pavement Technology Center** (**CP Tech Center**) at Iowa State University, Ames, IA, USA, has been making a difference in the concrete paving community since 2000 by providing expertise and resources to design, build, and maintain long-lasting and sustainable concrete pavements using state-of-the-art technologies and techniques.

The Center's mission is threefold: help agencies find answers to their concrete pavement-related questions; identify critical concrete pavement research needs and discover solutions; and help agencies, industries, and businesses incorporate advanced solutions and new technologies into their day-to-day practices.

The Center is active at the intersection of industry, public agencies, and academia. Professional staff with decades of experience in each of these communities allows the Center to address questions from a uniquely broad perspective. The Center collaborates with a large pool of national experts, ensuring that the best technical expertise is available to address any given need.

The Center's approach to technology transfer strives to provide the right information to the right people in the right format, including technical guides, manuals, and briefs; monthly webinars routinely attended by several hundred transportation professionals; workshops, presentations, and training sessions tailored to the specific needs of the audience; forums for information sharing and discussion such as the National Concrete Consortium; demonstration and pilot projects to implement new approaches such as internal curing; and expert advisory teams that assist with training and troubleshooting in the field.

Current focus areas at the Center include concrete mixture optimization for enhanced sustainability and longevity; tools to educate practitioners on how to reduce environmental impacts through the life of the pavement; concrete overlays and preservation activities that make optimum use of the equity in existing pavements; and performance-engineered mixtures program that is changing the way agencies write specifications to ensure that the right concrete is provided for a given application.

Personal Awards

ACI CONCRETE SUSTAINABILITY AWARD

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

"for innovative development of reinforcement corrosion models that integrate ion transport processes with thermodynamic reactions in concrete to make service-life predictions based on limited empirical data. These innovations support evolution of more durable and sustainable performance-engineered mixtures, more sustainable binders, and new materials for improved corrosion resistance of concrete structures"

O. Burkan Isgor, FACI, is a Professor of civil engineering and materials science at Oregon State University, Corvallis, OR, USA. He has authored or co-authored over 250 publications, including about 150 peer-reviewed journal articles.

He is 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. He is a Fellow of ACI, a Fellow of the Canadian Society for Civil Engineering (CSCE), and a member of the International Union of Laboratories and Experts in Construction Materials, Systems and Structures (RILEM). He serves as an Associate Editor of the journals *Cement and Concrete Composites and Materials and Structures*. His research interests include the durability of concrete, reinforcement corrosion, thermodynamic modeling of cementitious systems, and service-life modeling of concrete structures.

He received his civil engineering degree from Boğaziçi University, Istanbul, Turkey, in 1995, and his MS and PhD from Carleton University, Ottawa, ON, Canada, in 1997 and 2001, respectively. He is a licensed professional engineer in the province of Ontario.

Paper Awards

WASON MEDAL FOR MOST MERITORIOUS PAPER

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

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

"The paper "Limestone Calcined Clay Cements (LC³)," published in the May 2021 issue of the ACI Materials Journal*, pp. 49-60, is awarded the ACI Wason Medal for Most Meritorious Paper"*

Fernando Martirena is a Professor and has worked at the Centro de Investigación y Desarrollo de Estructuras y Materiales (Center for Research and Development of Structures and Materials [CIDEM]) at the Universidad Central "Marta Abreu" de Las Villas, Santa Clara, Cuba, since 1992, and has been the Director of the Center since 2008. He has served for 30 years as a Scientist for CIDEM.

He has dedicated most of his active life as a scientist to the development of sustainable materials, with a strong emphasis on pozzolanic materials. In 2003, Martirena started working with calcined clays as pozzolanic materials. In 2004, he started a collaboration with Karen Scrivener at the École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland, on the use of calcined clays as supplementary cementitious materials. In 2013, he joined the international team (Switzerland, India, and Cuba) that launched the concept of a novel cement: LC3 (limestone calcined clay cement, **www.lc3.ch**), which enables clinker content as low as 50%, replaced by a combination of calcined clay and limestone. Martirena is Chair of the International Union of Laboratories and Experts in Construction Materials, Systems and Structures (RILEM) Technical Committee TC 282-CCL, Calcined Clays as Supplementary Cementitious Materials.

Martirena received his BS in civil engineering from the Universidad Central "Marta Abreu" de Las Villas in 1983, and his PhD and Doctor of Science (DrSc) in 1988 and 2004, respectively, from the Universidad Tecnológica de La Habana "José Antonio Echeverría," Havana, Cuba, in subjects related to construction and materials. Part of his postgraduate education took place in central Europe (Germany and Switzerland) as a Fellow of the Alexander von Humboldt Foundation.

Paper Awards

Karen Scrivener has been a Professor and Director of the Laboratory of Construction Materials in the Department of Materials at École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland, for the last 20 years. She is a Fellow of the UK Royal Academy of Engineering and the author of over 200 journal papers. Scrivener is also a member of ASTM International.

Her research interests include understanding the chemistry and microstructure of cement-based materials and improving their sustainability. In 2008, she came up with the idea for LC3 cement, a material that has the potential to cut CO_2 emissions related to cement by more than 400 million tons a year.

Scrivener received her bachelor's degree in materials science from the University of Cambridge, Cambridge, UK, in 1979, and her PhD from Imperial College London, London, UK, in 1984.

ACI member **Franco Zunino** has been a Postdoctoral Researcher at the Laboratory of Construction Materials (LMC) at École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland, since 2020. He received his BSc and MSc from Pontificia Universidad Católica de Chile, Santiago, Chile, and his PhD from EPFL. Zunino received the 2020 Nanocem award in recognition of his doctoral thesis as the best worldwide in that year. He was also awarded the Outstanding Paper Award by the Board of Editors of *Materials and Structures* in 2020. Zunino is a member of ACI Committees 231, Properties of Concrete at Early Ages; 236, Material Science of Concrete; and 240, Pozzolans. His research interests include sustainability, supplementary cementitious materials, hydration of cement, microstructure, and characterization techniques.

Paper Awards

ACI SYMPOSIUM VOLUMES AWARD

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

"The paper "Shear Strengthening of Reinforced Concrete T-Beams Using Carbon Reinforced Concrete," published in SP-345-13, February 2021, pp. 169-184, is awarded the ACI Symposium Volumes Award"

Sarah Bergmann has been a Research Associate at the Institute of Structural Concrete of the Faculty of Civil Engineering at RWTH Aachen University, Aachen, Germany, since 2017. She also worked as a civil engineer at solidian GmbH, a leading manufacturer in Germany for nonmetallic reinforcement.

Her research interests include the mechanical behavior of carbon-reinforced concrete (CRC), strengthening of reinforced concrete (RC) structures with CRC, and shear transfer in CRC structures. Bergmann received her master's degree in civil engineering from RWTH Aachen University in 2016.

Since 1994, **Manfred Curbach** has held the Professorship for the Institut für Massivbau (Institute of Concrete Structures) at the Technische Universität Dresden, Dresden, Germany. He is a leading researcher in the development of textile-reinforced concrete and carbon-reinforced concrete. He has also authored or co-authored over 200 technical papers and reports.

Curbach is a member of ACI, the American Society of Civil Engineers (ASCE), and several national working committees. In 2011, he received an honorary doctorate from the Technische Universität Kaiserslautern, Kaiserslautern, Germany, for his outstanding scientific achievements in structural engineering, his services in the consistent implementation of research results into practice, and his exemplary personality. Since June 2013, Curbach has been a member of the German National Academy of Sciences Leopoldina. In 2016, he received the Deutscher Zukunftspreis, which is awarded by the German Federal President.

In 2022, Curbach was elected a Fellow of the Fédération internationale du béton (*fib*).

From 1977 to 1982, Curbach studied civil engineering at the Technische Universität Dortmund, Dortmund, Germany, specializing in structural engineering. In 1980, he was admitted to the Studienstiftung des deutschen Volkes (German Academic Scholarship Foundation). After his graduation, he took up a scholarship to work for David P. Billington at Princeton University, Princeton, NJ, USA, doing research on bridge construction in the United States and Robert Maillart. From 1982 to 1988,

Paper Awards

Curbach was Josef Eibl's research assistant, first at the Technische Universität Dortmund and later at the Karlsruhe Institute of Technology, Karlsruhe, Germany, where he also received his doctorate in 1987. In 1988, he started working as project manager at the Ingenieurbüro Köhler + Seitz, where he was also a Partner.

ACI member **Josef Hegger** has been the Head of the Institute of Structural Concrete at RWTH Aachen University, Aachen, Germany, since 1993. From 1985 to 1993, he worked as a project engineer and project manager in the construction industry at Philipp Holzmann AG. Since 1994, Hegger has been an authorized expert for structural engineering in the field of structural concrete and Associate Partner at H+P Ingenieure GmbH.

His research interests include bond behavior, shear and punching shear capacity, high-performance concrete, textile-reinforced concrete, and composite structures. From 1973 to 1979, he studied civil engineering at RWTH Aachen University. Until 1985, Hegger worked as a Research Associate at the Technical University of Braunschweig, Braunschweig, Germany, with Professor Kordina, and received his PhD in 1984.

Sebastian May worked as Project Manager at CARBOCON GMBH since 2018 and has been one of two Managing Directors since 2020. The company CARBOCON has 16 employees and is a leading independent service provider in the field of carbon-reinforced concrete in Germany. CARBOCON develops, designs, and plans sustainable solutions in civil engineering.

From 2009 to 2012, May studied at the Bauhaus-Universität Weimar, Weimar, Germany, where he received his BS. In March 2016, he received his Diplom-Ingenieur from the Technische Universität (TU) Dresden, Dresden, Germany. As part of his Diplom thesis, he calculated prestressed concrete structures with carbon tendons. After his Diplom, he worked as a research assistant at the Institute of Concrete Structures at TU Dresden under Professor Curbach, until 2020. As part of his research and PhD work (in progress), he investigated and analyzed many different reinforced concrete (RC) structures strengthened with carbon-reinforced concrete under shear load. He published some papers on this topic in English and German as author and co-author.

Paper Awards

WASON MEDAL FOR MATERIALS RESEARCH

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

"The paper "Characterization of Tensile Behavior of Fresh Cementitious Materials," published in the November 2021 issue of the ACI Materials Journal*, pp. 217-226, is awarded the Wason Medal for Materials Research"*

Yohan Jacquet recently defended his PhD thesis in June 2022 at the University of South Brittany, Lorient, France. His PhD student activities allowed him to publish six papers in international journals, mainly about concrete materials, and two patents about reinforcement and bio-based materials for three-dimensional (3-D) printing applications.

His research activities deal with underwater 3-D printing of concrete. He mainly works on the rheological requirements of material intended to be printed, and especially on the behavior transition from the firmest to the most fluid ones when subjected to various mechanical stresses (shear, tension, and compression). Jacquet focuses on the viscous contribution to emphasize its predominant effect on the printability of cement-based materials, and the relationship with the durability of hardened materials, especially concerning underwater 3-D printed ones. His research interests include issues related to automation in the field of construction, from reinforcement aspects to new materials mixture design for specific 3-D printing applications.

Arnaud Perrot has been a Full Professor in the Department of Civil Engineering 4.0 in the École Nationale Supérieure d'Ingénieurs de Bretagne Sud of the Université Bretagne Sud, Lorient, France, since 2022. Previously, he served as an Associate Professor from 2007 to 2022 at the same university. He is Associate Editor of various international scientific journals such as *Materials and Structures*, *Advances in Civil Engineering*, and *Construction Materials*.

Perrot has regularly attended the ACI Concrete Convention since 2010. He is a member of the Institut de Recherche Dupuy de Lôme and has authored more than 60 scientific papers. His research interests include the rheology and processing of all types of concrete, from self-consolidating concrete to three-dimensional (3-D) printed ones. He received his BS, MS, and PhD in civil engineering from the Institut National des Sciences Appliquées de Rennes, Rennes, France, in 2001, 2003, and 2006, respectively.

Paper Awards

Vincent Picandet has been an Associate Professor in the Department of Civil Engineering at the Université Bretagne Sud, Lorient, France, since 2002. He is doing his research at the Institut de Recherche Dupuy de Lôme. Picandet has authored more than 40 scientific papers.

His research interests include bio-based concretes, rheology and three-dimensional (3-D) printing of concrete, and damage mechanics. He received his BS and MS in civil engineering from the École Nationale Supérieure d'Ingénieurs de Poitiers, Poitiers, France, in 1996 and 1998, respectively. He received his PhD in civil engineering from the Université de Nantes, Nantes, France, in 2001, on the topic of the link between damage and the permeability of concrete.

Paper Awards

METE A. SOZEN AWARD FOR EXCELLENCE IN STRUCTURAL RESEARCH

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

"The paper "High-Strength Steel Bars in Earthquake-Resistant Reinforced Concrete T-Shaped Walls," published in the January 2021 issue of the ACI Structural Journal*, pp. 215-226, is awarded the Mete A. Sozen Award for Excellence in Structural Research"*

Erick A. Burgos is an Associate Professor of structural analysis and design in the Department of Structural Mechanics at the Universidad Centroamericana José Simeón Cañas (UCA), San Salvador, El Salvador. With more than 15 years of academic experience and 10+ years of professional experience in El Salvador and the United States, he has served as Faculty and Chair of the Department of Structural Mechanics at UCA. He has also been a member of the Research Committee Board at UCA and a member of the Seismic Code Committee of the Ministry of Public Works and Transportation (Government of El Salvador), where he has collaborated on the development of the Salvadoran Building Code.

Burgos received the 2022 Distinguished Professor Award from UCA for his academic trajectory. He was awarded the J. William Fulbright-Laspau Foreign Scholarship and the FANTEL-Salvadoran Talent Scholarship in 2004 and 2015, respectively. He is a co-founder of the Salvadoran Structural and Earthquake Engineering Association. He is also a member of the American Society of Civil Engineers (ASCE).

His research interests include the earthquake performance of reinforced concrete, high-strength steel, fiber-reinforced concrete, cement replacement, and disaster reconnaissance. He has authored and co-authored over 30 technical papers and reports in Salvadoran and international journals.

Burgos received his BS in civil engineering from UCA in 2002; his MS in civil engineering from The State University of New York at Buffalo, Buffalo, NY, USA, in 2006; and his PhD in civil engineering from the University of Kansas, Lawrence, KS, USA, in 2018. He is a licensed professional engineer in El Salvador.

Paper Awards

Mohammad Sajedul Huq is a Project Consultant at Simpson Gumpertz & Heger Inc., New York, NY, USA. He has more than 8 years of experience in structural design.

His research interests include the behavior of reinforced concrete walls under seismic loads and the use of high-strength steel. He received his BS in civil engineering from Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh, in 2008, and his PhD in civil engineering from the University of Kansas, Lawrence, KS, USA, in 2018.

Andrés Lepage is a Professor of civil, environmental, and architectural engineering at the University of Kansas, Lawrence, KS, USA. He worked as a project engineer in Seattle, WA, USA, from 1996 to 2005, and joined academia in 2006.

Lepage is a member of ACI Committees 318, Structural Concrete Building Code; 374, Performance-Based Seismic Design of Concrete Buildings; and 375, Performance-Based Design of Concrete Buildings for Wind Loads; and Joint ACI-ASCE Committee 335, Composite and Hybrid Structures. He served on the ACI Publications Committee from 2005 to 2011.

He is a member of the American Society of Civil Engineers (ASCE), the Earthquake Engineering Research Institute (EERI), and The Masonry Society (TMS). He also serves on the American Institute of Steel Construction (AISC) Task Committee 5 (TC 5), Composite Design. His research interests include high-performance/high-strength materials for structures subjected to extreme loading events.

Lepage received his BS in civil engineering from Universidad Rafael Urdaneta, Maracaibo, Venezuela, in 1987; his MS in civil engineering from Universidad Simón Bolívar, Caracas, Venezuela, in 1990; and his PhD in civil engineering from the University of Illinois at Urbana-Champaign, Urbana, IL, USA, in 1997. He is a licensed professional engineer and structural engineer in the state of Washington.

Paper Awards

Rémy D. Lequesne is an Associate Professor of civil, environmental, and architectural engineering at the University of Kansas, Lawrence, KS, USA. He received the 2016 ACI Wason Medal for Most Meritorious Paper and the 2017 ACI Young Member Award for Professional Achievement.

Lequesne is Chair of Joint ACI-ASCE Committee 408, Bond and Development of Steel Reinforcement. He serves on ACI Committee 133, Disaster Reconnaissance; Joint ACI-ASCE Committee 352, Joints and Connections in Monolithic Concrete Structures; and ACI Subcommittee 318-J, Joints and Connections. He is also a member of the American Society of Civil Engineers (ASCE) and the Precast/Prestressed Concrete Institute (PCI). He received his BSE, MSE, and PhD in civil engineering from the University of Michigan, Ann Arbor, MI, USA, in 2005, 2007, and 2011, respectively. He is a licensed professional engineer in Kansas.

Paper Awards

ACI *CONCRETE INTERNATIONAL* AWARD

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

"The paper "Establishing Thickness Tolerances for Parking Lot Slabs," published in the July 2021 issue of Concrete International*, pp. 25-35, is awarded the ACI* Concrete International *Award"*

Paul Beagley is the President of Phaze Concrete Inc. and has served in that position since 2010. He started in the concrete business working with his father at a family-owned concrete business and has worked in the industry his entire life. Beagley graduated high school in Salt Lake City in 1998. He joined ACI years later and serves as Chair of Joint ACI-ASCC Subcommittee 117-F, Cast in Place Floors, and is a member of ACI Committees E703, Concrete Construction Practices, and 302, Construction of Concrete Floors, and Joint ACI-ASCC Committee 117, Tolerances. Beagley has been an ACI-certified Concrete Flatwork Finisher for over 15 years and has placed and finished millions of square feet of concrete in his career.

Tim Manherz is the Operations Manager for Encore Concrete Construction, a leading commercial concrete contractor in Houston, TX, USA. He has more than 37 years of experience in the construction industry, with over 30 of those years dedicated to the concrete segment.

Manherz received the 2020 ACI Construction Award for his co-authored paper titled, "Constructability of Embedded Steel Plates in Cast-in-Place Concrete," which was published in the September 2018 issue of *Concrete International*. He is a member of ACI Committees 302, Construction of Concrete Floors; 330, Concrete Parking Lots and Site Paving; and 360, Designs of Slabs on Ground; and Joint ACI-ASCC Committee 117, Tolerances.

He received his BS, with honors, in construction management from Arizona State University, Tempe, AZ, USA, in 1992, and was selected as an outstanding graduate of his class.

Paper Awards

Peter J. Ruttura has been continuously employed in the family business, Ruttura and Sons Construction Co. His concrete construction experience started as a laborer over 40 years ago, where he advanced through the trades learning the proper methods and techniques of concrete construction. Ruttura is currently the Vice President and Chief Operating Officer of Ruttura and Sons Construction.

He is Chair of Joint ACI-ASCC Subcommittees 117-C, Foundations, and 117-I, Exterior Pavements and Sidewalks. He serves as a member of ACI Committees 302, Construction of Concrete Floors; 330, Concrete Parking Lots and Site Paving; Joint ACI-ASCC Committee 117, Tolerances; and Joint ACI-ASCC Subcommittee 117-D, Cast-in-Place Concrete for Buildings. He is also a member of ASTM International.

Ruttura attended the State University of New York at Farmingdale, East Farmingdale, NY, USA.

Bruce A. Suprenant, FACI, has been Technical Director at the American Society of Concrete Contractors (ASCC), St. Louis, MO, USA, since 2011. He has authored over 50 ACI papers and over 200 other technical papers and reports.

Suprenant received the 2010 Roger H. Corbetta Concrete Constructor Award, the 2011 and 2020 ACI Construction Award, the 2013 ACI Certification Award, and the 2021 Arthur R. Anderson Medal. He is a Fellow of ACI.

He is Vice Chair of Joint ACI-ASCC Committee 117, Tolerances. Suprenant previously served on the ACI Technical Activities Committee (TAC), TAC Construction Standards Committee, and Construction Liaison Committee. He also served on ACI Committees 222, Corrosion of Metals in Concrete; 228, Nondestructive Testing of Concrete; 232, Fly Ash and Bottom Ash in Concrete; 301, Specifications for Concrete Construction; 302, Construction of Concrete Floors; 306, Cold Weather Concreting; 336, Footings, Mats, and Drilled Piers; 437, Strength Evaluation of Existing Concrete Structures; and ACI Subcommittee 318-A, General, Concrete, and Construction. He is also a member of the American Society of Civil Engineers (ASCE).

Suprenant received his BS in construction from Bradley University, Peoria, IL, USA, in 1974; his MS in structural engineering from the University of Illinois at Urbana-Champaign, Urbana, IL, in 1975; and his PhD in civil engineering from Montana State University, Bozeman, MT, USA, in 1983. He is a licensed professional engineer in California and Florida. He is also a Certified Construction Contract Administrator and a Certified Construction Specifier through the Construction Specifications Institute (CSI).

Paper Awards

ACI Honorary Member **Eldon G. Tipping** is Vice Chairman and Founder of Structural Services, Inc. (SSI), a privately held company based in Waxahachie, TX, USA. His 47 years of experience in the design and construction industry began as a structural designer for commercial and industrial structures; he later served as Vice President for a commercial materials testing laboratory, where he monitored construction projects.

A leading authority on tolerances and construction of both on-ground and suspended floors, Tipping has received several awards, including becoming a Fellow of ACI in 2000; bestowed Honorary Membership, ACI's highest honor, in 2020, "for improving the design and safety of reinforced concrete buildings through outstanding leadership in research, teaching and professional service"; and received the 2006 ACI Delmar L. Bloem Distinguished Service Award for his leadership of ACI Committee 302, Construction of Concrete Floors. In addition, he was selected by *Concrete Construction* magazine as one of "The 10 Most Influential People in the Concrete Industry" in 2005; received the 2006 Outstanding Alumni Award from Texas A&M University's School of Architecture in recognition of outstanding leadership and accomplishments; and selected for the 2008 Samuel A. Face, Jr., Golden Trowel Award for his "accomplishments in, and contributions to, the Art and Science of High Quality Horizontal Concrete Construction."

Tipping is past Chair of ACI Committees 302, Construction of Concrete Floors, and 330, Concrete Parking Lots and Site Paving, and Joint ACI-ASCC Committee 117, Tolerances. He also served on the ACI Board of Direction (2006-2009). He is the author of numerous articles in professional publications and leads educational seminars. He is a member of the American Concrete Pavement Association (ACPA), the American Society of Civil Engineers (ASCE), the American Society of Concrete Contractors (ASCC), ASTM International, the International Concrete Repair Institute (ICRI), and The Structural Engineers Association of Texas (SEAoT).

He received his BS in architectural construction in 1969 and his MArch in construction management from Texas A&M University, College Station, TX, with an emphasis on structural design and management in 1973. He is a licensed professional engineer in Texas, Oklahoma, Kansas, Kentucky, Maryland, Virginia, and New Hampshire.

Personal Awards

ACI EDUCATION AWARD

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

"for her instrumental leadership and prolific contributions to the activities and products of ACI Committee E702 for the past 14 years and for her tireless efforts to revitalize the influence and impact of this committee on advancing the ACI educational profile for the past five years"

Kimberly Waggle Kramer, FACI, is a Professor and the G. E. Johnson Construction Science Chair in the G. E. Johnson Department of Architectural Engineering and Construction Science at Kansas State University (KSU), Manhattan, KS, USA.

In her role at KSU since 2003, she has served as the primary advisor for 55 graduate students in architectural engineering and a committee member for 50 additional students in architectural engineering and civil engineering. Periodically, she has been the Faculty Advisor for the ACI KSU Student Chapter. During her mentorship, the ACI KSU Student Chapter received the ACI Excellent University Award in 2012, 2013, 2014, 2019, and 2020. From 2005 to 2010, she was the Faculty Advisor for the KSU teams for the ACI Concrete Construction Competition, where they were awarded first place in 2005, 2007, 2009, and 2010; second place in 2008; and third place in 2005. In 2010, she also served as the Faculty Advisor for the KSU team for the ACI Pervious Concrete Cylinder Competition Sustainability Report, which the team won second place. She became a Fellow of ACI in 2014 and received the 2021 ACI Concrete Sustainability Award.

Her ACI membership started in 1993, and a year later she was President-elect of the ACI Oklahoma Chapter. Additionally, she served as the Director of the ACI Kansas Chapter from 2006 to 2008. She is Chair of ACI Subcommittee 130-G, Education, and past Chair of ACI Committees E702, Designing Concrete Structures, and 124, Concrete Aesthetics. She serves on the ACI Construction Liaison Committee, Educational Activities Committee, Certification Programs Committee, as well as 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, Chester Paul Siess Award for Excellence in Structural Research. As an ACI-approved Examiner for Tilt-Up Supervisor and Technician Certification, she has administered over 375 exams to students since 2005. 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 the rehabilitation/restoration of existing structures in the built environment. She 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 33 years of experience working in the field of structural engineering and is a licensed professional engineer in 13 states.

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.*