

Awards at The ACI Concrete Convention and Exposition – Spring 2016

At the Opening Session of The ACI Concrete Convention and Exposition in Milwaukee, WI, ACI will recognize a group of members for outstanding achievement and service to the Institute. Five individuals were granted Honorary Membership, ACI's highest honor given to "persons of eminence in the field of the Institute's interest, or one who has performed extraordinary meritorious service to the Institute." Since 1926 when this rank was established, 239 ACI members have been elected to Honorary Membership.

ACI's newest Honorary Members are:

- John A. Bickley,
- David Darwin,
- Vitervo Astrúbal O'Reilly Diaz (posthumously),
- W. Calvin McCall, and
- Cloyd E. (Joseph) Warnes.

In addition, ACI will honor the Instituto del Cemento y del Hormigón de Chile, the Wisconsin Ready Mixed Concrete Association, and 42 individuals with personal and paper awards. Those who will receive awards on April 17 at the ACI Convention include:

Honorary Membership

"for lifetime achievements and contributions to ACI and to the worldwide concrete industry, with particular recognition for his pioneering work in the development and implementation of non-destructive testing and evaluation of new and existing structures"

John A. Bickley retired in 2011 from John A. Bickley Associates, where he served as President from 1986 to 2011. Prior to that he was a Partner with Trow Associates, Toronto, ON, Canada, from 1967 to 1986 and Manager of the Materials Testing Laboratory, Messrs Sandberg, London, UK, from 1955 to 1965. He provided consulting, testing, and inspection services on major suspension bridges, expressways, dams, dockyards, airfields, conventional and nuclear power stations, and experimental nuclear reactors on projects in England, Canada, the United States, Jamaica, the Bahamas, Malta, Saudi Arabia, Abu Dhabi, Jordan, Pakistan, India, and New Zealand.

Bickley served as President of the Ontario Chapter – ACI and chaired the Ontario Chapter Committee: The Investigation and Repair of Parking Structures. He also was a member of the ACI Board of Direction, the Educational Activities Committee, and the Convention Committee. He served as Chair or was a member of several technical committees, including ACI Committees 214, Evaluation of Results of Tests Used to Determine the Strength of Concrete; 228, Nondestructive Testing of Concrete; 362, Parking Structures; 363, High-Strength Concrete; and the Concrete Research Council.

His research interests include development and implementation of nondestructive testing and evaluation of new and existing structures. Bickley is a Fellow of ACI, the Institution of Civil Engineers in England, and the Canadian Society for Civil Engineering. He has received the ACI Construction Practice Award (1980), the ACI Delmar L. Bloem Distinguished Service Award (1997), and awards from the

Fifty-Year Members Honored

At The ACI Concrete Convention – Spring 2016, 25 members will be recognized with citations of achievement for 50 years of continuous membership in the American Concrete Institute. They include:

Robert B. Anderson	Robert E. Griffith Jr.
P.V. Banavalkar	Stanley D. Lindsey
Edwin G. Burdette	Robert E. Loov
Domingo J. Carreira	Donald F. Meinheit
Carlos Alfredo	Vilas Mujumdar
Casabonne Rasselet	Ben G. Olson
Pinaki R. Chakrabarti	William F. Perenchio
Harold R. Cohen	Avanti Shroff
Norberto Davila	George Somerville
James T. Dikeou	Ado Valge
Kenneth F. Dunker	Thomas M. Velloff
Thomas Fitzpatrick	William J. Wilhelm
Allan V. Fozzard	Lawrence F. Yasinko



Bickley



Darwin



O'Reilly Diaz



McCall



Warnes



Lobo

Canadian Standards Association (CSA), the Institution of Civil Engineers, and the Institution of Highway Engineers.

Bickley is a 1948 graduate of the Institution of Civil Engineers (UK) and received his DSc, Honoris Causa from Ryerson University, Toronto, ON, Canada (2009). He was a member of ASTM International Committees C09, Concrete and Concrete Aggregates; C09.02.05, Nondestructive Testing; and C09.61, Testing for Strength. He served on CSA Committees A23, Concrete and Concrete Materials, and S413, Parking Structures.

Bickley served a 4-year Commission with the Royal Engineers in Kenya, Egypt, and Germany.

“for his outstanding leadership as ACI President, for his multiple contributions in research including reinforcement anchorage and development length equations for the ACI Building Code, and his mentorship of numerous students and young professionals in the concrete industry”

David Darwin is the Deane E. Ackers Distinguished Professor and Chair of the Department of Civil, Environmental, and Architectural Engineering at the University of Kansas, Lawrence, KS, where he has been a faculty member since 1974. He served as an Officer in the U.S. Army Corps of Engineers from 1967 to 1972.

ACI President in 2007-2008, Darwin is a member and Past Chair of ACI Committee 224, Cracking; and Joint ACI-ASCE Committee 408, Bond and Development of Steel Reinforcement; and a member of many other technical and Board committees, including ACI Committee 222, Corrosion of Metals in Concrete; Joint ACI-ASCE Committees 445, Shear and Torsion; and 446, Fracture Mechanics of Concrete; and ACI Subcommittee 318-B, Anchorage and Reinforcement. He is a past member of the ACI Board of Direction and Executive Committee; the Financial Advisory and Technical Activities Committees; and Joint ACI-ASCE Committee 447, Finite Element Analysis of Reinforced Concrete Structures. He is a Past Chair of the Concrete Research Council and the ACI Publications and TAC Technology Transfer Committees.

His research interests include concrete durability, with emphasis on corrosion protection and crack control, and on bond and anchorage of steel reinforcement to concrete. Elected Fellow in 1981, his other ACI awards include the Delmar L. Bloem Distinguished Service Award, 1986; the Arthur R. Anderson Award, 1992; the ACI Structural Research

Award, 1996; the Joe Kelly Award, 2005; the ACI Certification Award, 2010; and the ACI Foundation – Concrete Research Council Arthur J. Boase Award, 2013. Darwin is a member of the Precast/Prestressed Concrete Institute (PCI) and ASTM International, a Distinguished Member of the American Society of Civil Engineers (ASCE), and a Fellow of the Structural Engineering Institute (SEI) of ASCE.

He received his BS and MS in civil engineering from Cornell University, Ithaca, NY, in 1967 and 1968, respectively, and his PhD in civil engineering from the University of Illinois at Urbana-Champaign, Champaign, IL, in 1974.

“for tireless work in improving the quality of life in over 20 countries in Europe, Asia, and Pan-America by improving infrastructure through his innovative concrete research, practical construction applications, and inspiring education”

Before his death on May 31, 2015, **Vitervo Asdrúbal O’Reilly Diaz** was recognized for his outstanding career in the concrete industry. He served as President of the National Technical Committee for the Standardization of Concrete in Cuba from 1965 to 2002 and was Chief Investigator for the Technical Center for Construction and Materials from 1978 to 1986. He was also a member of numerous other organizations, including the Scientific Council of the Superior Polytechnic Institute; Permanent Board for the Award of Science Degrees; Technical Board of the Commission for Construction Technologies; National Corrosion Commission – Academic Investigation Division of the Cuban Academy of Sciences; Scientific Board of the Experimental Center for Construction; and Architecture in the Tropics.

Diaz published numerous documents, presented his work, and delivered keynote presentations at over 152 national and international conferences. He received several awards and honors, including Work Hero of the Republic of Cuba (highest honor bestowed to a worker in Cuba); Order of Carlos J. Finlay (highest recognition awarded to scientists in Cuba); and Order of Frank Pais (highest recognition awarded to a Professor for services and contributions to education). Diaz was also recognized for his 56 years as a constructor and 49 years as an educator with a National Award of Civil Engineering in 1999; Cuban Academy of Sciences Award for his methodology for concrete mixture proportioning in 2000; and Honorary Professor of the Universidad Autónoma Juan Misael Saracho, Bolivia, in 1993.

Diaz was recognized in numerous Latin American countries for his research in cement and the concrete field. He obtained a patent on a methodology he developed for batching concrete, increasing efficiency in cement use, which resulted in numerous courses and keynote conference presentations.

Diaz received his technical degree as an Industrial Chemist in Technical Sciences from Brno University of Technology, Brno, Czech Republic; his BS in civil engineering from the University of Havana, Havana, Cuba, in 1959; his MS from the Superior Polytechnic Institute of Havana, Havana, Cuba, in 1978; and his PhD from the Academy of Sciences of the Czech Republic, Národní, Czech Republic, in 1985.

“for his outstanding contributions to ACI and the concrete industry; his exceptional leadership in the advancement of reference specifications and their proper use; and his dedication to improving the outcome of concrete construction”

W. Calvin McCall, FACI, is President of Concrete Engineering Consultants, Inc., a diversified concrete engineering firm located in Charlotte, NC. He has over 40 years of experience in the concrete industry, including proportioning high-performance concrete mixtures, designing self-consolidating concrete and radiation-shielding concrete mixtures, performing nondestructive evaluations of concrete structures, developing quality control and quality assurance systems, and performing concrete floor evaluations. He was voted ACI Educational Seminar Speaker of the Year in 2002.

McCall was the recipient of the ACI Delmar L. Bloem Distinguished Service Award, 2006; the ACI Henry L. Kennedy Award, 2008; and the ACI Wason Medal for Most Meritorious Paper, 2013. He is a Past Chair and current member of ACI Committees 132, Responsibility in Concrete Construction; 301, Specifications for Concrete; and 349, Concrete Nuclear Structures. He is also a past member of the ACI Board of Direction and ACI Committee 318, Structural Concrete Building Code.

He has several research interests but the main focus at this time is self-consolidating concrete. He received his degree in civil engineering technology from Central Piedmont Community College, Charlotte, NC, in 1977, and became a licensed professional engineer in 1985.

McCall is also a member of the American Society of Civil Engineers (ASCE) and ASTM International. He has published papers on slab-on-ground, specifications, precast concrete, and teamwork on construction projects, as well as articles on other concrete-related topics.

“for his lifelong efforts to improve the design and construction of the concrete infrastructure, both domestically and internationally, and his significant contributions in the field of precast concrete structures that have benefitted societal developments throughout the world”

Cloyd E. (Joseph) Warnes is Managing Partner of CPM Associates, Roseville, CA, a nonprofit humanitarian public interest consulting project management firm that specializes in

design and construction of concrete houses. He spent much of his career in management of overseas construction projects in Iran, Saudi Arabia, Romania, and Russia. He was the keynote speaker at the first Russian Project Management Association convention in Moscow in 1999, on the subject of computerized project management of precast concrete design and construction.

Following 17 years with the Portland Cement Association (PCA), Warnes entered the concrete construction field. He has been involved in the construction management of several international projects, mostly in the Middle East. For 10 years, he conducted seminars on project management and precast concrete construction in various countries in the Middle East and North Africa. For several years after the implosion of the Soviet Union, he mentored indigenous concrete construction contractors on behalf of the U.S. Department of State USAID program in Romania, Russia, and Poland. He designed and built the first insulating concrete form (ICF) shell concrete houses in a severe earthquake region of Romania. Among various projects, Warnes initiated and led programs to develop the first computerized program for concrete pavement design; research to determine the cause of concrete pavement faulting; the refinement of “dogbone” precast concrete moment frames for high-rise buildings; and established the basis of the concept of “emulation detailing,” leading to the preparation of a report by Joint ACI-ASCE Committee 550 on that subject.

Warnes received his BCE from Ohio State University, Columbus, OH, in 1951, and his AA Management and Supervision from American River College, Sacramento, CA, in 1968. He is a Fellow of the Precast/Prestressed Concrete Institute (PCI) and former member of the American Society of Civil Engineers (ASCE) and the Concrete Reinforcing Steel Institute (CRSI).

Arthur R. Anderson Medal

“for his extraordinary dedication to codes and specification development, driven by his professionalism, deep understanding of concrete materials and the practice of concrete production and construction technique”

Colin L. Lobo, FACI, is Senior Vice President, Engineering, at the National Ready Mixed Concrete Association (NRMCA), Silver Spring, MD, since 1991.

He is Secretary of ACI Committee 329, Performance Criteria for Ready Mixed Concrete, and currently serves on or has served on ACI Committees 132, Responsibility in Concrete Construction; 211, Proportioning Concrete Mixtures; 214, Evaluation of Results of Tests Used to Determine the Strength of Concrete; 228, Nondestructive Testing of Concrete; 301, Specifications for Concrete; 318, Structural Concrete Building Code; E701, Materials for Concrete Construction; and is a past member of the ACI Board of Direction. Lobo is also a member of the American Society of Civil Engineers (ASCE) and serves on ASTM International Committees C01, Cement; C09, Concrete and Concrete Aggregates; E36, Accreditation and Certification; and F06, Resilient Floor Coverings.



Cornell



Vecchio



Kahn



Segura



Instituto del Cemento y del Hormigón de Chile

Lobo became a Fellow of ACI in 2002 and received the ACI Henry C. Turner Medal in 2013. His research interests include concrete durability, acceptance testing of concrete, performance-based methods that evolve to performance-based specifications, and practical and innovative applications that improve quality and predictability of concrete.

He received his BE in civil engineering from University of Mysore, Mysore, India, in 1984; his MS in civil engineering from Northeastern University, Boston, MA, in 1987; and his PhD in civil engineering from Purdue University, West Lafayette, IN, in 1991. He is a licensed professional engineer in Maryland.

Roger H. Corbetta Concrete Constructor Award

“for his leadership in the development of specifications and standard practices, combining his skill in team-building, motivation, and communication with his experience in concrete construction”

James N. Cornell II, FACI, is a General Superintendent for HC Beck, a design-build contractor in Dallas, TX. He has been constructing buildings for 38 years.

He is a Past Chair of ACI Committees 301, Specifications for Concrete; E707, Specification Education; the TAC Construction Standards Committee; the Construction Liaison Committee; and TAC Concrete Terminology Committee. He has also served on the ACI Publications Committee; ACI Committees 305, Hot Weather Concreting; 308, Curing Concrete; and 347, Formwork for Concrete; and as Subcommittee Chair for the initial publication of ACI 308.1, “Specification for Curing Concrete.” He is a member of the American Society of Civil Engineers (ASCE).

Cornell received his BS in civil engineering from Texas A&M University, College Station, TX, in 1977. He is a licensed professional engineer in Texas and is a LEED Accredited Professional.

Joe W. Kelly Award

“for his multiple contributions to research and teaching in the field of structural concrete, and for his selfless service to the profession through the development and implementation of the modified compression field theory”

Frank J. Vecchio, FACI, is Professor of Civil Engineering at the University of Toronto, Toronto, ON, Canada, where he has been on the faculty since 1985. He has served on ACI

Committee 435, Deflection of Concrete Building Structures, and Joint ACI-ASCE Committees 441, Reinforced Concrete Columns, and 447, Finite Element Analysis of Reinforced Concrete Structures. He is also a member of the American Society of Civil Engineers (ASCE) and the Canadian Society of Civil Engineers (CSCE).

Vecchio is a recipient of the ACI Chester Paul Siess Award for Excellence in Structural Research (1998), the ACI Design Award (1999), and the ACI Wason Medal for Most Meritorious Paper (2011). In 1999, he was elected a Fellow of ACI.

His research interests include the development of improved analysis and design procedures for reinforced concrete structures, particularly for those that are shear-sensitive; the modeling and assessment of fiber-reinforced concrete structures; structures rehabilitated with fiber-reinforced polymers, and structures subjected to extreme loads including blast, impact, fire, and earthquake.

Vecchio received his BSc, MEng, and doctorate from the University of Toronto in 1978, 1979, and 1981, respectively. He is a licensed professional engineer in Ontario.

Henry L. Kennedy Award

“for outstanding leadership in the development of a standard for repair of existing concrete buildings and in recognition of his research contributions for repair of concrete and masonry structural members”

Lawrence F. Kahn, FACI, is Professor Emeritus at the School of Civil and Environmental Engineering, Georgia Institute of Technology, Atlanta, GA. He retired after 39 years at Georgia Tech in 2015, and is now an affiliated consultant with Wiss, Janney, Elstner Associates, Inc., Atlanta, GA.

He is a Past Chair of ACI Committees 364, Rehabilitation, and 562, Evaluation, Repair and Rehabilitation of Concrete Buildings, and has also served on the ACI Technical Activities Committee; the Concrete Research Council; ACI Committees 440, Fiber-Reinforced Polymer Reinforcement; 546, Repair of Concrete; and 563, Specifications for Repair of Structural Concrete in Buildings; and Joint ACI-ASCE Committee 441, Reinforced Concrete Columns. He was President and Vice President of the Atlanta Chapter – ACI.

Kahn received the ACI Delmar L. Bloem Distinguished Service Award in 2013 and was elected a Fellow of ACI in 1983. He also is a Fellow of the American Society of Civil Engineers (ASCE) and The Masonry Society (TMS). His

research interests include durability of prestressed concrete bridge structures and seismic resistance and repair of structural masonry and concrete.

Kahn received his BSCE from Stanford University, Stanford, CA, in 1966; his MSCE from the University of Illinois at Urbana-Champaign, Champaign, IL, in 1967; and his PhD in civil engineering from the University of Michigan, Ann Arbor, MI, in 1976.

Alfred E. Lindau Award

“for his outstanding design practice in reinforced concrete structures in Colombia, combined with his teaching of reinforced concrete fundamentals at the Colombian National University and at the Escuela Colombiana de Ingeniería in Bogotá for several decades”

Jorge I. Segura, FACI, civil engineer, is the Founder and Partner of Jorge Segura Franco & Cia, a civil engineering firm. The firm has provided design and construction services for numerous major concrete structures for more than 48 years in Bogotá, Colombia. He is also a Professor at the Universidad Nacional de Colombia and the Escuela Colombiana de Ingeniería.

He has been a member of ACI since 1970 and a Fellow since 1999. He is a member of ACI Committee 314, Simplified Design of Concrete Buildings, and Joint ACI-ASCE Committee 352, Joints and Connections in Monolithic Concrete Structures. He was a Co-Founder of the Republic of Colombia Chapter – ACI in 1978 and served as its President from 2004 to 2010. He has been a member of the American Society of Civil Engineers (ASCE) since 2000.

Segura started teaching in the field of concrete structures in 1967 at the Universidad Nacional de Colombia. He has taught at the Escuela Colombiana de Ingeniería since 1980. He was recognized as Emeritus Professor in 1992 and has been awarded the “Excellence in Teaching” award for 9 years. Segura was named Distinguished Professor at the Escuela Colombiana de Ingeniería in 2012.

His research interests include the design and use of concrete materials. He graduated from the Universidad Nacional de Colombia, Bogotá, Colombia, in 1964.

Henry C. Turner Medal

“for its continuous activities furthering the use of concrete in Chile and its support to ACI by providing translations into Spanish of several official translations of ACI documents, among them the ACI 318S versions since the 2002 issue”

The **Instituto del Cemento y del Hormigón de Chile** (ICH) is a technical institution founded in 1966 by the Chilean Construction Chamber and the Cement Industry to promote and extend the use of concrete construction in Chile. ICH congregates more than 30 Institutional members covering all major concrete applications.

As an ACI International Partner since 1996, ICH has been involved in the translation of many ACI documents, including ACI 318, “Building Code Requirements for Structural Concrete.” In 2009, ICH received the ACI Alfred E. Lindau Award.

Charles S. Whitney Medal

“for their analytical and experimental research studies at North Carolina State University that have led to significant advances in design of precast structures, especially precast members used in parking structures”

Gary J. Klein, FACI, is a Senior Principal and Executive Vice President of Wiss, Janney, Elstner Associates, Inc., (WJE), Northbrook, IL. For more than 30 years, he has studied and delivered solutions for buildings and bridges

ACI Award Recipients, Spring 2016

Honorary Membership—John A. Bickley, David Darwin, W. Calvin McCall, Vitervo Astrúbal O’Reilly Diaz (posthumously), and Cloyd E. (Joseph) Warnes

Arthur R. Anderson Medal—Colin L. Lobo

Roger H. Corbetta Concrete Constructor Award—James N. Cornell II

Joe W. Kelly Award—Frank J. Vecchio

Henry L. Kennedy Award—Lawrence F. Kahn

Alfred E. Lindau Award—Jorge I. Segura

Henry C. Turner Medal—Instituto del Cemento y del Hormigón de Chile

Charles S. Whitney Medal—Gary J. Klein, Sami Gregory W. Lucier, Hanna Rizkalla, and Paul Zia

Cedric Willson Lightweight Aggregate Concrete Award—Erik Holck

ACI Certification Award—Alejandro Durán Herrera, Joe Hug, and John R. Wilson

ACI Concrete Sustainability Award—John W. Roberts, Larry Rowland, and Alan Sparkman

ACI Distinguished Achievement Award—Wisconsin Ready Mixed Concrete Association

ACI Education Award—Lance Boyer and Jay H. Paul

ACI Young Member Award for Professional Achievement—Zachary C. Grasley and Ishita Manjrekar

Wason Medal for Most Meritorious Paper—Rémy D. Lequesne and José A. Pincheira

ACI Construction Award—Ahmad Mohamed El Magdoub, Whitney Morris, and Ahmed Osman

ACI Design Award—Weng Yuen Kam, Roberto T. Leon, and Stefano Pampanin

Chester Paul Siess Award for Excellence in Structural Research—Yihai Bao, H. S. Lew, Santiago Pujol, and Mete A. Sozen

Wason Medal for Materials Research—Hamid Farzam, Delia de Leon Guajardo, and Hugh H. Wang

Delmar L. Bloem Distinguished Service Award—Jeffrey W. Coleman, Mary Beth Deisz Hueste, Barzin Mobasher, and Sri Sritharan

Chapter Activities Award—Xiomara Sapon-Roldan and Jeffrey Tanabe

Walter P. Moore, Jr. Faculty Achievement Award—Gaurav N. Sant



Klein



Lucier



Rizkalla



Zia



Holck



Durán Herrera

suffering from deterioration, distress, or failure. Since 1995, he has been a member of ACI Committee 318, Structural Concrete Building Code, and serves on ACI Subcommittees 318-E, Section and Member Strength, and 318-J, Joints and Connections. He also serves on Joint ACI-ASCE Committee 445, Shear and Torsion, and Subcommittee 445-A, Shear & Torsion-Strut & Tie.

Klein is an active member of the Precast/Prestressed Concrete Institute (PCI). He has received numerous awards, including the ACI Wason Medal for Most Meritorious Paper in 2010 and PCI's Martin P. Korn Award in 2007 and 2010. His research interests include the design and behavior of precast/prestressed concrete members, including spandrel beam behavior, volume change in precast buildings, dapped double-tees, and punching shear of beam ledges.

He received his BS and MS in civil engineering from the University of Illinois at Urbana-Champaign, Champaign, IL, in 1973 and 1975, respectively. He is a licensed structural engineer in Illinois, and a licensed professional engineer in Illinois and several other states.

ACI member **Gregory W. Lucier** is a Research Assistant Professor in the Department of Civil, Construction, and Environmental Engineering at North Carolina State University (NCSU), Raleigh, NC. He also serves as the Manager of the Constructed Facilities Laboratory, which he has done for the past 8 years.

Lucier is an active member of the Precast/Prestressed Concrete Institute (PCI). His research interests include reinforced and prestressed concrete with a focus on practical construction-oriented problems. He received his BS in construction engineering and management and his MS and PhD in structural engineering from NCSU in 2004, 2006, and 2012, respectively.

Sami Hanna Rizkalla, FACI, is a Distinguished Professor in the Department of Civil, Construction, and Environmental Engineering at North Carolina State University (NCSU), Raleigh, NC. He is the Director of the Constructed Facilities Laboratory and the Center for Integration of Composites into Infrastructure at NCSU.

He is a member of ACI Committees 440, Fiber-Reinforced Polymer Reinforcement, and 550, Precast Concrete Structures; and Joint ACI-ASCE Committee 423, Prestressed Concrete.

He is a former member of ACI Subcommittee 318-G, Precast and Prestressed Concrete. He is also member of the Precast/Prestressed Concrete Institute (PCI) Technical Activities Council and FRP Composites Committee.

Rizkalla has received several ACI awards, including the Delmar L. Bloem Distinguished Service Award in 2004, the Joe W. Kelly Award in 2008, the Arthur J. Boase Award in 2010, and the Chester Paul Siess Award for Excellence in Structural Research in 2014. He is also a Fellow of the American Society of Civil Engineers (ASCE) and PCI.

His research interests include the behavior of reinforced concrete and prestressed concrete structures and bridges, with special interest in the precast concrete field, and the use of fiber-reinforced polymer material for the construction and strengthening of structures and bridges. He received his BSc from Alexandria University, Alexandria, Egypt, and his master's and PhD from NCSU in 1974 and 1976, respectively.

ACI Honorary Member **Paul Zia** is a Distinguished University Professor Emeritus at North Carolina State University (NCSU), Raleigh, NC. He joined the NCSU civil engineering faculty as an Associate Professor in 1961 and was promoted to Professor in 1965. He served as Associate Department Head from 1967 to 1978 and as Department Head from 1979 to 1988. He was then appointed as Distinguished University Professor of Civil Engineering and returned to full-time teaching and research until his retirement in 1996. Since his retirement, he has been actively engaged in research with his colleagues on several major projects.

A Past President of ACI, Zia has served as Chair and/or member of many Board committees and task groups. He was Chair of the International Advisory Committee, Membership Committee, and Strategic Planning Committee; and a member of the ACI Technical Activities Committee, Convention Committee, and Educational Activities Committee. Currently, he is a member of ACI Committees 363, High-Strength Concrete, and 445, Shear and Torsion; Joint ACI-ASCE Committee 423, Prestressed Concrete; and ACI Subcommittee 440-J, FRP Stay-in-Place Forms. He is also a member of the Concrete Research Council and Technology Transfer Advisory Group of the ACI Foundation.

Zia received of the ACI Joe W. Kelly Award in 1984, Arthur J. Boase Award in 1992, and Chester Paul Seiss Award for Excellence in Structural Research in 2014. He was named

an Honorary Member of ACI in 1998. In 1983, he was elected as a member of the National Academy of Engineering. He is a Distinguished Member of the American Society of Civil Engineers (ASCE), and a Fellow, Titan, and Medal of Honor recipient of the Precast/Prestressed Concrete Institute (PCI).

His research interests include behavior and design of reinforced and prestressed concrete structures; and high-performance concrete, high-strength steel reinforcement, other innovative materials, and their application to structural concrete.

A native of China, Zia received his BSCE from National Chiao-Tung University, Shanghai, China, in 1949; his MSCE from the University of Washington, Seattle, WA, in 1952; and his PhD from the University of Florida, Gainesville, FL, in 1960.

Cedric Willson Lightweight Aggregate Concrete Award

“for his outstanding contribution bringing ACI Committees 308 and 213 report on internally cured concrete to completion and taking the technology of internal curing using lightweight aggregate into the field, resulting in design and construction of large-scale water storage tanks in the Denver, Colorado area”

Erik Holck is the Construction Engineering Manager for

Infrastructure at Denver Water in Denver, CO, where he has served for 19 years in both design and construction of water supply infrastructure. He is the Secretary of ACI Committees 306, Cold Weather Concreting, and 308, Curing Concrete. He is a Past Chair of ACI Subcommittee 308-E, Internal Curing.

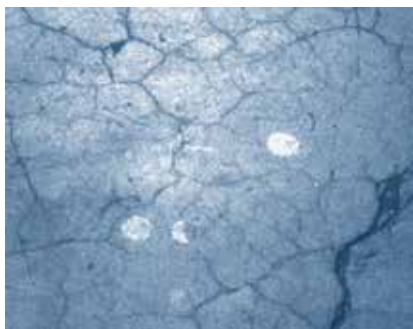
Holck received his BS and MS in civil engineering from the University of Colorado Denver, Denver, CO, in 1998 and 2002, respectively. He is a licensed professional engineer in Colorado.

ACI Certification Award

“for outstanding service in developing, supporting, administering, and promoting ACI Certification Programs”

Alejandro Durán Herrera, FACI, is Professor/Head of Concrete Technology/International Affairs Coordinator at the Universidad Autónoma de Nuevo León (UANL), Facultad de Ingeniería Civil (FIC), San Nicolas de Los Garza, NL, México. He serves on the ACI Board of Direction; Chapter Activities Committee; Certification Programs Committee; Educational Activities Committee; S801, Student Activities; S803, Faculty Network; and International Certification Subcommittee.

Durán Herrera has received numerous awards, including the ACI Young Member Award for Professional Achievement, 2004; Fellow of ACI, 2006; ACI Chapter Activities Award,



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Hug



Wilson



Roberts

2011; and the Raymundo Rivera-Villarreal Award, 2014, for outstanding work in academic and research activities in benefit of the concrete industry granted by the Northeast Mexico Chapter – ACI. His research interests include use of fly ash in high-performance concrete, internal curing of concrete, volume stability of concrete, and self-consolidating concrete.

Durán Herrera received his BS in civil engineering from the School of Civil Engineering (FIC) of UANL, 1992; his MS in environmental engineering from FIC-UANL, 1998; and his PhD in materials engineering from the School of Mechanical and Electrical Engineering (FIME) of UANL, 2003. He completed his postdoctorate work at the Department of Civil Engineering, Research Group on Cement and Concrete, Université de Sherbrooke, Sherbrooke, QC, Canada, during the summers of 2005, 2006, and 2007.

He is a member of ASTM International, the International Union of Laboratories and Experts in Construction Materials, Systems and Structures (RILEM), and the National Researchers System (SNI), pertaining to the National Research Council of Science and Technology (CONACYT).

“for outstanding service in developing, supporting, administering, and promoting ACI Certification Programs”

Joe Hug is the Technical Services Manager for The Monarch Cement Company in Humboldt, KS, where he has served for 21 years. He is a member of ACI’s Chapter Activities Committee; Certification Programs Committee; Educational Activities Committee; International Project Awards Committee; ACI Committees C610, Field Technician Certification, and C630, Construction Inspector Certification; and ACI Subcommittee C601-B, Concrete Quality Technical Manager. Hug is a Past President of the Kansas Chapter – ACI and serves as Secretary/Treasurer for the Chapter and Chair of the Kansas Certification Committee. He received the ACI Chapter Activities Award in 2007. He is also a member of ASTM International. Hug received his BSME from Kansas State University, Manhattan, KS, in 1994 and he is a licensed professional engineer in Kansas, Arkansas, and Missouri.

“for outstanding and tireless service in supporting, administering, and promoting ACI Certification Programs”

John R. Wilson, FACI, has been the Principal of Wilson

Technologies, LLC, for the past 26 years, serving the concrete industries mainly within the Maryland; Washington, DC; and Virginia areas. He began his career with the National Ready Mixed Concrete Association (NRMCA) as Staff Engineer and Laboratory Manager; spent 20 years with Martin Marietta Cement as Director of Technical Services; General Manager of Marketing/Quality Assurance with the Vulcan Materials operation in Saudi Arabia; and with Master Builders as Technical Director before starting his private practice.

He received the ASTM International Sanford E. Thompson Award from Committee C09, Concrete and Concrete Aggregates, for a technical paper (1963). He has served on technical committees and is Past Chair of ACI Committee 211, Proportioning Concrete Mixtures. In 2012, he was recognized as a 50-year member of ACI. He is a Life Member of the American Society of Civil Engineers (ASCE) and member of ASTM International. For 40 years, he has been active with the National Capital Chapter – ACI, and for the past 20 years served as Examiner with the Certification Committee.

Wilson received his BS in civil engineering from the Virginia Military Institute, Lexington, VA, in 1953, and his MS in civil engineering from the University of Maryland, College Park, MD, in 1960. He is a licensed professional engineer in Maryland.

ACI Concrete Sustainability Award

“for his lifelong participation in and extraordinary advocacy of the advancements in concrete foundational to the environmental, social and economic benefits realized globally”

John W. Roberts, FACI, is the Chairman of Northeast Solite Corporation, Richmond, VA. He is a member of ACI Committees 130, Sustainability of Concrete; 224, Cracking; 308, Curing Concrete; 325, Concrete Pavements; and formerly 362, Parking Structures. He is a Past President of the Virginia Section, American Society of Civil Engineers (ASCE).

His awards include the ACI Cedric Willson Lightweight Aggregate Concrete Award, ACI Wason Medal for Materials Research, the Swarthmore College McCabe Engineering Award, and Heaton Award presented at the Leadership Conference in Blue Ridge, NC, and was recognized as the Outstanding Industrialist of the Year by the Virginia Science Institute.

Roberts received his BS from Swarthmore College, Swarthmore, PA, in 1939. He is a licensed professional engineer in Virginia.

“for his outstanding contributions to ACI and the CJSI helping the concrete community understand and institutionalize sustainability, and for his outreach and engagement with students and practitioners enhancing their understanding of concrete and its contribution to sustainable construction”

Larry Rowland has been the Manager Marketing & Technical Services for Lehigh White Cement Company, Allentown, PA, for 11 years. His experience includes 12 years in construction engineering and concrete material supply



Rowland



Sparkman



Wisconsin Ready Mixed Concrete Association

industries. He is Chair of ACI Committees 310, Decorative Concrete; 524, Plastering; and Subcommittee 310-L, Liaison; and Secretary of 308-310 TG2, Curing Decorative Concrete Joint Task Group; and a member of ACI Committees 124, Concrete Aesthetics; 130, Sustainability of Concrete; and 549, Thin Reinforced Cementitious Products and Ferrocement; and ACI Subcommittees 130-G, Education/Certification; 130-TG1, Sustainability of Concrete Editorial Task Group; and 310-J, Polished Finishes. Rowland was the ACI Ambassador Speaker to the China Concrete and Cement-Based Products Association's 2015 International Conference of Decorative Concrete Technology. He is a regular contributor to ACI convention sessions and co-authored ACI University's "Guide to Decorative Concrete" online program. Rowland is an expert on the topics of architectural and decorative concrete and is a Certified Construction Product Representative with the Construction Specifications Institute. He has served in numerous capacities with the Concrete Joint Sustainability Initiative (CJSI), the Portland Cement Association (PCA), and the Architectural Precast Association (APA). He has been a USGBC LEED Accredited Professional since 2004 and is a former Director of the Delaware Valley Green Building Council, his region's chapter of the USGBC. He has spoken internationally and on a national level to architects, engineers, students, and green building professionals on the topics of concrete sustainability, resilience, and high-performance concrete. In 2015, he was recognized by *Concrete Decor* magazine as one of the top Ten Influential People in the decorative concrete industry. Rowland received his associate degree in civil engineering from Santa Rosa Junior College, Santa Rosa, CA, and his BS in business from the University of Phoenix, Tempe, AZ, in 1987 and 2003, respectively. He is a member of the Precast/Prestressed Concrete Institute (PCI) Sustainability Committee.

"for his significant mentorship of the concrete community in the field of sustainability, and exemplary outreach to those in the public, private and social sectors improving recognition, understanding and appreciation for the sustainable benefits of concrete as a building material"

ACI member **Alan Sparkman** has served as the Executive Director of the Tennessee Concrete Association, Nashville, TN, since 1998. He is also an Adjunct Professor at Middle

Tennessee State University, Murfreesboro, TN, teaching the Concrete Industry Management program's executive MBA program. He serves on the Board of Directors for the Tennessee Parks and Greenways Foundation, the United States Green Building Council – Tennessee Chapter, and the Tennessee Stormwater Association.

In 2004, Sparkman received the Kodak American Greenways Award from The Conservation Fund and National Geographic for his work supporting local trails and greenways through the Count on Concrete Bike Ride Across America. In 2010, Sparkman received the Tennessee Sustainability Award from the Tennessee Environmental Council. His research interests include controlled low-strength materials, concrete shrinkage, concrete maturity, and pervious concrete.

He received his BA in business administration from Mount Vernon Nazarene College, Mount Vernon, OH, in 1980, and his MBA from Jones International University, Boulder, CO, in 2004. He has also been certified as an ACI Concrete Field Testing Technician Grade I, an ACI Concrete Flatwork Finisher and Technician, and an Adhesive Anchor Installer.

ACI Distinguished Achievement Award

"for providing the advancement of the concrete industry through advocacy and legislative action, promotion, and education"

The **Wisconsin Ready Mixed Concrete Association** (WRMCA), established in 1939, is a nonprofit professional organization committed to strengthening the ready mixed concrete industry in Wisconsin and Michigan's Upper Peninsula (UP). Since its inception, the Association has developed its structure and membership and is proud to represent over 100 member companies.

WRMCA comprises producer and associate members, overseen by the Board of Directors, and assisted by a talented professional staff comprising an Executive Director, Public Policy Director/Lobbyist, Association Manager, and Paving Consultant. The WRMCA contributes to and helps connect its members to the global knowledge community, while working collaboratively to advance the ready mixed industry in Wisconsin and Michigan's UP. Partnering with associations and academics, the WRMCA brings this knowledge to the marketplace for use by Wisconsin/Michigan UP contractors,



Boyer



Paul



Grasley



Manjrekar



Lequesne



Pincheira

engineers, architects, students and educators, government, regulatory agencies, owners, and the public.

The WRMCA creates a productive setting of support and information exchange among ready mixed industry stakeholders in Wisconsin and Michigan's UP, advancing the industry through the power of association in legislative, promotional, and educational arenas and helping producer members hurdle the increasingly complex challenges of successfully running a ready mixed operation.

The WRMCA presents several awards. The Annual Concrete Design Awards showcase innovative uses of concrete. The Annual Safety Awards highlight the operations with a frequency and severity rate better than OSHA's current Bureau of Labor Statistics national average. The Annual Driver Awards recognize the outstanding leaders within the industry who promote a commitment of health and safety. The WRMCA Member Scholarship assists students seeking further education to enter the ready mixed concrete industry. WRMCA educates through its convention, technical workshops, and regional seminars. The WRMCA is the local sponsor of ACI concrete field testing technician, flatwork, and strength testing, and National Ready Mixed Concrete Association (NRMCA) pervious concrete testing certification programs.

ACI Education Award

"in recognition of his determination in the development of 'Placing and Finishing Decorative Concrete Flatwork,' which will serve as the knowledge source for the Decorative Concrete Finisher certification program and fills the need for a comprehensive educational document on the design, construction, and maintenance of decorative concrete flatwork"

Lance Boyer is President of Trademark Concrete Systems, Inc., with three offices in Southern California: Anaheim, Los Angeles, and Oxnard. He has been involved in the decorative concrete industry since 1986 and founded Trademark Concrete Systems, Inc., in 1997.

Boyer is Chair of ACI Subcommittee C601-D, Decorative Concrete Finisher, and is a member of ACI Committee 310, Decorative Concrete. He received his BS in construction from Arizona State University, Tempe, AZ, in 1983.

"in recognition of his dedication and leadership in the development of the 'Guide to the Code for Evaluation, Repair, and Rehabilitation of Concrete Buildings,' which required

extensive coordination, and detailed review to produce a document that furthered the understanding and dissemination of the ACI 562 repair code"

Jay H. Paul, FACI, is a semi-retired Senior Principal of Klein and Hoffman, Inc., Chicago, IL. He has been with the firm since 1971 and established the structural and architectural restoration group. He is a Past Chair and current member of ACI Committee 546, Repair of Concrete; Secretary of ACI Committee 563, Specifications for Repair of Structural Concrete in Buildings; and a member of ACI Committees 364, Rehabilitation, and 562, Evaluation, Repair, and Rehabilitation of Concrete Buildings. Recently, he served as Chair during the development of "Guide to the Code for Evaluation, Repair, and Rehabilitation of Concrete Buildings." Paul received the ACI Delmar L. Bloem Distinguished Service Award in 2007.

He has been a guest lecturer at the University of Illinois at Urbana-Champaign (UIUC), Champaign, IL. He is a Past President of the Structural Engineers Association of Illinois and is now a lifetime member. He is also a member of the International Concrete Repair Institute (ICRI) and formerly a member of the Chicago High-Rise Committee.

Paul received his BS in 1965 and MS in 1966 from UIUC. He is a licensed structural engineer in Illinois.

ACI Young Member Award for Professional Achievement

"for contributions to advancing the use of innovative materials and technologies in concrete construction through research, technology transfer, and mentoring of younger colleagues and students"

Zachary C. Grasley is an Associate Professor and the Peter C. Forster Faculty Fellow I in the Zachry Department of Civil Engineering at Texas A&M University (TAMU), College Station, TX. He is also a faculty member in the Materials Science and Engineering Department and has been with TAMU for 8 years. Grasley also spent 2 years as a faculty member at Virginia Tech, Blacksburg, VA. He was awarded the ACI Walter P. Moore, Jr., Faculty Achievement Award in 2013. Grasley is Secretary of ACI Committee 236, Material Science of Concrete; and a member of the ACI Publications Committee; ACI Committees 231, Properties of Concrete at Early Ages; 241, Nanotechnology of Concrete; and 376, Concrete Structures for Refrigerated Liquefied Gas

Containment. He is also a member of the American Society of Civil Engineers (ASCE). Grasley's research interests include concrete shrinkage, creep, durability and sustainability, nanomaterials, cryogenic concrete, poroelastic behavior, and early-age behavior. Grasley uses a combination of novel experiments and theoretical modeling in his research approach, with a focus on leveraging fundamental science. He has made contributions in uncovering new mechanisms for concrete creep and irreversible drying shrinkage and advanced the science of quantifying dispersion of nanomaterials in concrete. Additionally, he devised a novel method for quantifying concrete permeability. At TAMU, Grasley teaches classes on concrete, material science, and mechanics to students ranging from sophomore to PhD levels. He received his BS from Michigan Technological University, Houghton, MI, in 2001, and his MS and PhD from the University of Illinois at Urbana-Champaign, Champaign, IL, in 2003 and 2006, respectively.

"for outstanding service to advance the spread of concrete knowledge at the Chapter, national, and international levels with a focus on mentoring students to pursue research and careers in the field of civil engineering; and for contributing to the advancement of sustainable and durable construction through the use of innovative construction chemical aids"

Ishita Manjrekar has been Director (Technology) – SUNANDA Speciality Coatings Pvt. Ltd., Mumbai, India, for the past 9 years. She serves on the ACI International Advisory Committee, the Membership Committee, the Marketing Committee, the International Project Awards Committee, the IPAC Judging Subcommittee, and the Student and Young Professionals Activities Committee.

Her research interests include corrosion, admixtures, and protective coatings. She received her bachelor's degree in chemical engineering from the Institute of Chemical Technology, Mumbai, India, in 2005, and her MS in chemical engineering from Rensselaer Polytechnic Institute, Troy, NY, in 2007.

Wason Medal for Most Meritorious Paper

"for the proposed revision to the strength-reduction factor for nonprestressed reinforced concrete members subjected to flexural and axial load"

("Proposed Revisions to the Strength-Reduction Factor for Axially Loaded Members," *Concrete International*, September 2014, pp. 43-49)

Rémy D. Lequesne is an Assistant Professor at the University of Kansas, Lawrence, KS. He is Secretary of Joint ACI-ASCE Committee 408, Bond and Development of Steel Reinforcement, and is a member of Joint ACI-ASCE Committee 352, Joints and Connections in Monolithic Concrete Structures; ACI Subcommittees 318-J, Joints and Connections, and 544-C, FRC-Testing; and Joint ACI-ASCE Subcommittee 445-C, Shear and Torsion-Punching Shear. He is also a member of the American Society of Civil Engineers (ASCE).

Lequesne received the Charles Pankow Foundation ACI Student Fellowship in 2007 and the ACI W.R. Grace Scholarship

in 2006. His research interests include reinforced concrete and fiber-reinforced concrete member behavior and earthquake-resistant design. He received his BSE, MSE, and PhD from the University of Michigan, Ann Arbor, MI, in 2005, 2007, and 2011, respectively.

José A. Pincheira, FACI, is an Associate Professor of civil and environmental engineering at the University of Wisconsin, Madison, WI, where he has been a faculty member for over 20 years.

Pincheira is a Past Chair and member of ACI Committee 369, Seismic Repair and Rehabilitation, and is a member of ACI Committee 374, Performance-Based Seismic Design of Concrete Buildings, and ACI Subcommittee 318-R, High Strength Reinforcement. He has also served as Secretary of ACI Committee 442, Response of Concrete Buildings to Lateral Forces, and as a member of the ACI Membership Committee; ACI Committee 368, Earthquake Resisting Structural Elements; ACI Subcommittee 318-D, Members; and the American Society of Civil Engineers (ASCE) Seismic Retrofit of Existing Buildings Standards Committee.

Pincheira's research interests include the behavior and design of reinforced concrete and the seismic rehabilitation and nondestructive testing of concrete structures. He has authored many journal articles and co-authored the textbook *Reinforced Concrete Design* with C. K. Wang and C. G. Salmon. He has received several awards, including the National Science Foundation (NSF) CAREER Award, the Chi Epsilon James M. Robbins Excellence in Teaching Award, and the Precast/Prestressed Concrete Institute (PCI) Martin P. Korn Award.

He received his BSc in civil engineering and Ingeniero Civil degree from the University of Chile, Santiago, Chile, in 1986; his MSc from the University of Manitoba, Winnipeg, MB, Canada, in 1988; and his PhD from the University of Texas at Austin, Austin, TX, in 1992.

ACI Construction Award

"for the design and construction of the elliptical 45-story Emirates Pearl building and the unique solutions to encountered construction challenges"

("Emirates Pearl Hotel—Design and Construction Challenges of a Twisting Tower in the Middle East," *Concrete International*, June 2014, pp. 40-44)

Ahmad Mohamed El Magdoub is Head of the Structural Department of Arabian Construction Company (ACC), Abu Dhabi, United Arab Emirates, where he has served for 27 years. He previously worked at ACC as a Structural Design Manager, and at Dar Al-Handasah Consultants (Shares and Partners), Cairo, Egypt, where he was a Senior Structural Engineer and then Group Leader.

His research interests include seismic and wind effects on high-rise buildings. El Magdoub received his BS with Honors in civil engineering from Ain Shams University, Cairo, Egypt, in 1987.



El Magdoub



Morris



Osman



Kam



Leon



Pampanin

Whitney Morris is a Senior Structural Engineer with DeSimone Consulting Engineers, Abu Dhabi, United Arab Emirates. Over the past 7 years, she has worked on the design and managed construction on many notable high-rise buildings in both the San Francisco, CA, and Abu Dhabi offices of DeSimone. In 2012, she was recognized with the Young Engineer of the Year award from Big Project-Middle East.

Ahmed Osman is a Managing Principal with DeSimone Consulting Engineers, Abu Dhabi, United Arab Emirates. He joined the firm in 2004 and has headed the firm's Abu Dhabi office since 2011. Osman has over 20 years of experience designing high-rise buildings, sports facilities, and long-span roofs in New York and Abu Dhabi.

Osman has authored and co-authored many articles in *Concrete International* and *STRUCTURES* magazines. He also lectures in universities and design firms. He received his bachelor's degree from Ain Shams University, Cairo, Egypt, in 1996, and his master's degree from Stevens Institute of Technology, Hoboken, NJ, in 2007. He is a member of the American Institute of Steel Construction (AISC). He is also a licensed professional engineer in New York and New Jersey.

ACI Design Award

"for their study of the performance of reinforced concrete beam-column joints after New Zealand earthquakes between 2010 and 2012"

("Performance of Beam-Column Joints in the 2010-2012 Christchurch Earthquakes," *Symposium Honoring James O. Jirsa's Contributions in Structural Concrete: A Time to Reflect*, SP-296, March 2014)

Weng Yuen Kam is an Associate Principal with Beca Ltd, Auckland, New Zealand, with 10 years of postgraduate experience in research and professional consultancy. He has worked on a number of significant projects in New Zealand, Singapore, and Dubai, including the New Zealand International Convention Centre and Hobson Hotel project, the Marina One mixed development in Singapore, the Meydan Racecourse in Dubai, and various seismic assessment and retrofit projects throughout New Zealand.

He is a task group leader on the New Zealand Society for Earthquake Engineering (NZSEE)/NZ Ministry of Business, Innovation and Employment (MBIE) committee to update the New Zealand guidelines for seismic assessment of existing

structures. He is also involved with the NZSEE technical group on seismic isolation design guidelines and an industry-led task group on fiber-reinforced polymer design and specification. He has been a peer reviewer for the ACI Journals. Kam is serving on the NZSEE management committee for 2015-2016.

Kam received the 2007 NZSEE Best Research Paper award for his paper on seismic response of low-damage systems in near-fault earthquakes. He also was a co-recipient of the 2011 Institution of Professional Engineers New Zealand Fulton-Downer Gold Medal—The President's Award. His research interests include seismic evaluation of existing structures, nonductile concrete structures, displacement-based seismic design, and assessment and low-damage seismic systems.

Kam received his PhD from the University of Canterbury, Christchurch, New Zealand, in 2011 for developing techniques for seismic assessment and retrofit of nonductile reinforced concrete beam-column joints. He also received his undergraduate degrees in civil engineering and economics from the University of Canterbury. He is a NZ Chartered Professional Engineer (CPEng).

Roberto T. Leon, FACI, is the David H. Burrows Professor of Construction Engineering, The Charles E. Via, Jr. Department of Civil and Environmental Engineering, Virginia Tech, Blacksburg, VA, where he has served for 20 years. Previously, he was affiliated with the Georgia Institute of Technology, Atlanta, GA, for 16 years.

He has served on the ACI Publications Committee; Joint ACI-ASCE Committees 335, Composite and Hybrid Structures; 352, Joints and Connections in Monolithic Concrete Structures; and 408, Bond and Development of Steel Reinforcement; ITG-2, Reinforcing Bar Development Pattern Technology Transfer Group; and the Journal Oversight Committee.

Leon's research interests include behavior of reinforced concrete beam-column connections, bond of reinforcing bars under cyclic loads, design and behavior of composite structural systems, behavior of bolted connections subjected to large cyclic loads, design of steel-reinforced concrete and CFT composite columns, design of composite joists and trusses, long-term behavior of composite floors, design of innovative braced frames for large seismic loads, and development of innovative energy dissipation and recentering devices for small structures.

He received his BSCE in civil engineering from the University of Massachusetts, Amherst, MA; his MSCE in structural engineering from Stanford University, Stanford, CA; and his PhD in civil engineering from the University of Texas at Austin, Austin, TX, in 1978, 1979, and 1983, respectively. Leon is a member of the American Society of Civil Engineers (ASCE) and a Fellow of the Structural Engineering Institute (SEI).

Stefano Pampanin is Professor of Structural Design and Earthquake Engineering at the Department of Civil and Natural Resources Engineering at the University of Canterbury, Christchurch, New Zealand, since 2002. He has been actively involved in a variety of national and international code and technical committees for the preparation of design guidelines and standards, including ACI Subcommittee 440-F, FRP-Repair-Strengthening, and various International Federation of Concrete and Standards New Zealand committees.

Pampanin served as Past President of the New Zealand Society for Earthquake Engineering from 2012 to 2014. In 2005, he was elected Fellow of the Institution of Professional Engineers New Zealand. He has received several awards for

his research activities, including the *fib* Diploma 2003 for Younger Engineers (under 40 years old) and the 2005 EQC/NZSEE Ivan Skinner Award “for the advancement of Earthquake Engineering in NZ” (inaugural recipient).

His research interests include the development of innovative solutions for the seismic design of low-damage structural systems and seismic assessment and retrofit of existing reinforced concrete structures.

He received his Laurea in civil/structural engineering from the University of Pavia, Pavia, Italy, in 1997; his ME in structural engineering from the University of California, San Diego, La Jolla, CA; and his PhD in earthquake engineering from the Polytechnic University of Milan, Milan, Italy, in 2000. He is a Charter Professional Engineer in Italy and New Zealand.

Chester Paul Siess Award for Excellence in Structural Research

“for their experimental study of full-scale reinforced concrete assemblies subjected to critical loading conditions”
 (“Experimental Study of Reinforced Concrete Assemblies under Column Removal Scenario,” *ACI Structural Journal*, July-August 2014, pp. 881-892)



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Concrete Repair Application Procedures: This program covers procedures for basic concrete repair techniques. The program includes the purpose of the repair, applications for which each method is appropriate, surface preparation, safety considerations, and the repair procedure.

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Bao



Lew



Pujol



Sozen



Guajardo



Farzam

Yihai Bao is an Assistant Project Scientist in the Department of Civil and Environmental Engineering at the University of California, Davis, Davis, CA. In the past 6 years, he has also worked as a Guest Researcher in the Engineering Laboratory at the National Institute of Standards and Technology (NIST), Gaithersburg, MD. His research interests include nonlinear modeling of structural behavior under extreme loads, large-scale experimental methods, and advanced scientific computational methods.

Bao received his bachelor's and master's degrees from Tongji University, Shanghai, China, and his doctoral degree from the University of California, Davis, in 2000, 2003, and 2008, respectively. He is an Associate Member of the American Society of Civil Engineers (ASCE) and a member of the Disproportionate Collapse Technical Committee.

ACI Honorary Member **H.S. Lew**, Senior Research Engineer, directs a broad range of research programs in the field of structural engineering. He joined the National Institute of Standards and Technology (NIST) in 1968 as a Structural Research Engineer. He successively served as Chief of the Construction Safety Section (1978-1985), Chief of the Structural Evaluation Section (1985-1989), and Chief of the Structures Division (1989-1998). Prior to joining NIST, he was an Assistant Professor at the University of Texas at Austin, Austin, TX.

Lew has served on the ACI Board of Direction, the Technical Activities Committee, the Fellows Nomination Committee, and the Convention Committee; and is a Past Chair of the Board of Trustees of the Concrete Research Education Foundation, the Chapter Activities Committee, and the Concrete Research Council. He is a member of several ACI committees, including 214, Evaluation of Results of Tests Used to Determine the Strength of Concrete; 228, Nondestructive Testing of Concrete; 318, Structural Concrete Building Code; 347, Formwork for Concrete; 348, Structural Reliability and Safety; 377, Performance-Based Structural Integrity & Resilience of Concrete Structures; and 437, Strength Evaluation of Existing Concrete Structures.

Lew received the ACI Wason Medals for Materials Research (1980) and for Most Meritorious Paper (1988); the ACI Henry L. Kennedy Award (1990); the ACI Chapter Activities Award (1995); and the ACI Henry C. Turner Medal (1999).

Lew received his BS in architectural engineering from Washington University, St. Louis, MO; his MS in civil engineering from Lehigh University, Bethlehem, PA; and his PhD from the University of Texas at Austin, in 1960, 1963, and 1967, respectively. He is a Fellow of the American Society of Civil Engineers (ASCE) and the Structural Engineering Institute (SEI), and a member of the Precast/Prestressed Concrete Institute (PCI). He is a licensed professional engineer in the District of Columbia, Maryland, and New York.

Santiago Pujol, FACI, is an Associate Professor of civil engineering at Purdue University, West Lafayette, IN, where he has taught for 10 years. He is a member of ACI Committees 133, Disaster Reconnaissance, and 314, Simplified Design of Concrete Buildings; Joint ACI-ASCE Committee 445, Shear and Torsion; and ACI Subcommittee 318-R, High Strength Reinforcement. His research interests include earthquake engineering; seismic vulnerability of existing structures; displacement-based seismic design; instrumentation and testing of structures; response of structures to impulsive loads; and monitoring, repair, and strengthening of structures.

Pujol received his BS from the National University of Colombia, Bogotá, Colombia, and his MS and PhD from Purdue University in 1996, 1997, and 2002, respectively.

ACI Honorary Member **Mete A. Sozen** has been teaching at Purdue University, West Lafayette, IN, as the Kettelhut Distinguished Professor of Structural Engineering since 1993. Prior to that, he was an Assistant Professor of civil engineering at the University of Illinois at Urbana-Champaign, Champaign, IL (1957), was promoted to Associate Professor (1959), and given the rank of Professor (1963).

His research interests include vulnerability assessment of building, transportation and massive structures, development of numerical nonlinear models for spatial dynamic response of reinforced concrete structures, effects of explosions on buildings, and uses of very high-strength concrete in earthquake-resistant design.

Sozen has been a member of the U.S. National Academy of Engineers and the Royal Swedish Academy of Engineering Sciences. He has been granted honorary doctorates by Boğaziçi University, Istanbul, Turkey; Pannonius University,



Wang



Coleman

Pécs, Hungary; and the Georgian Technical University, Tbilisi, Georgia; and honorary membership by the Association of Turkish Engineers, the American Society of Civil Engineers (ASCE), the Japan Society of Architectural Engineers, and the International Association of Earthquake Engineering. In 2006, he was recognized as one of the Top Ten Seismic Engineers of the 20th Century by *Engineering News-Record* and the Applied Technology Council.

He received his BSc in civil engineering from Robert College (now Boğaziçi University), Istanbul, Turkey, and his MS and PhD degrees in civil engineering from the University of Illinois in 1951, 1952, and 1956, respectively.

Wason Medal for Materials Research

“for their study of the hydration kinetics and reactivity of ferrite in industrial cement”

(“C₄AF Reactivity—Chemistry and Hydration of Industrial Cement,” *ACI Materials Journal*, March-April 2014, pp. 201-210)

Delia de Leon Guajardo is a Scientist at CEMEX Technical Center, CEMEX USA, Riverview, FL. She has 30 years of experience in the cement industry, including quality control, quality assurance, and specialization in clinker microscopy. Her research interests include cement quality control, low temperature process, clinker microstructure analysis, and clinker grindability.

De Leon Guajardo received her BS from Universidad Autónoma de Nuevo León, Monterrey, NL, Mexico, in 1984.

Hamid Farzam, FACI, is the Vice President of Technical Services and Quality Assurance for CEMEX USA, Houston, TX. He has more than 29 years of experience in cement and concrete technology as well as chemical admixtures used in underground, mining, and civil construction.

He has participated on numerous ACI committees and is a current member of ACI Committees 212, Chemical Admixtures; 222, Corrosion of Metals in Concrete; 229, Controlled Low-Strength Materials; 232, Fly Ash in Concrete; 365, Service Life Prediction; and 523, Cellular Concrete. He is a Past Chair of Committee 116, Nomenclature. He has also served on ASTM International committees as Chair of ASTM International Subcommittees C09.23.3, Chemical Admixtures, and ASTM C09.91, Terminology; and as a member of ASTM International Committees C01, Cement, and C09, Concrete and Concrete Aggregates.

In 2000, Farzam received the ACI Wason Medal for Most Meritorious Paper for “Predicting the Service Life of Concrete Marine Structures: An Environmental Methodology.” He was elected as a Fellow of ACI in 2002. He received his master’s degree in chemical engineering in 1985 from the University of Oklahoma, Norman, OK.

ACI member **Hugh H. Wang** was formerly the Director of CEMEX Technical Center, CEMEX USA, Riverview, FL. He is active in ASTM International. He was awarded Honorary Membership in ASTM International Committee C01, Cement, for outstanding contributions to standards and specifications development.

His research interests include cement chemistry and mineralogy, concrete technology, chemical admixtures, and compatibility of cementitious systems. Wang received his BS from Wuhan Institute of Building Materials, Hubei, China, in 1977; his MS from Wuhan University of Technology, Hubei, China, in 1982; and his PhD in material science from the University of Calgary, Calgary, AB, Canada, in 1991.

Delmar L. Bloem Distinguished Service Award

“for outstanding leadership of Committee 132, Responsibility in Concrete Construction”

Jeffrey W. Coleman, FACI, is a licensed professional engineer and Attorney at Law and Principal Partner of The Coleman Law Firm, LLC. He has been an ACI member for over 35 years. Coleman is the author of the book *Legal Issues in Concrete Construction*, published by ACI in 2004 (second edition published in 2015), and previously authored the “Concrete Legal Notes” section of *Concrete International*.

Coleman received his BS in civil engineering in 1976 and his MS in structural engineering in 1977 from Iowa State University, Ames, IA. He is a licensed engineer in Iowa, Minnesota, and Wisconsin and a lawyer in Minnesota, Wisconsin, and North Dakota; he practices regularly in other states through admission “Pro Hac Vice.”

Coleman served as a member of the ACI Board of Direction and has been an active member of ACI Committees 215, Fatigue of Concrete, and 301, Specifications for Concrete. He also served as a member of the Construction Liaison Committee, the TAC Specifications Committee, the Financial Advisory Committee, the Convention Committee, and is Past Chair and current member of ACI Committee 132, Responsibility in Concrete Construction.

After completing his law degree in 1984, Coleman served as General Counsel for Ellerbe Associates, Inc. (later Ellerbe Becket, Inc., and now part of AECOM). He started his own firm in 1991, which was quickly merged and renamed Coleman, Hull & van Vliet, PLLP. In 2013, he founded The Coleman Law Firm, LLC—committed to continuing his representation of engineers, architects, and the concrete construction industry.

Coleman represents engineers, architects, concrete contractors and suppliers, and building owners in all aspects



Hueste



Mobasher



Sritharan



Sapon-Roldan



Tanabe



Sant

of construction. He is a Past President of the Minnesota Concrete Council (MCC) and a former Board member. He is also a Sustaining Member of the American Society of Concrete Contractors (ASCC). Coleman served five terms on the Board of Directors of the American Council of Engineering Companies, Minnesota, and is one of the only two nonpracticing engineers to receive the Tom Roach Award for Outstanding Service and Motivation to the Consulting Engineering Professional Community. Coleman is a past member of the Minnesota Board of Architecture, Engineering, Land Surveying, Landscape Architecture, Geoscience, and Interior Design (the Minnesota Licensing Board), and the University of Minnesota Concrete Conference Planning Committee. He is a frequent lecturer on topics involving construction law, but is also a regular practitioner involved with construction disputes involving concrete.

“for outstanding leadership of Committee 352, Joints and Connections in Monolithic Concrete Structures, Joint ACI-ASCE”

Mary Beth Deisz Hueste, FACI, is a Professor in the Zachry Department of Civil Engineering at Texas A&M University (TAMU), College Station, TX, where she has been a member of the structural engineering faculty for 17 years. She is also the Major Highway Structures Program Manager and Acting Division Head for the Construction, Geotechnical and Structures Division within the TAMU Transportation Institute.

Hueste has held leadership positions with ACI, including current Chair of Joint ACI-ASCE Committee 352, Joints and Connections in Monolithic Concrete Structures, and Past Secretary of the Reinforced Concrete Research Council. She is a member of ACI Committee 374, Performance-Based Seismic Design of Concrete Buildings, and ACI Subcommittee 318-J, Joints and Connections. She has also served as a member of the ACI Educational Activities Committee, Committee on Nominations, Committee on Awards for Papers, and Marketing Committee.

Her research interests include behavior, analysis, and design of reinforced and prestressed concrete building and bridge structures; nonlinear analysis and probabilistic assessment of structures under extreme loads; earthquake engineering; and assessment of aging and historic infrastructure. She has authored or co-authored over 70 technical papers and reports.

She received her BS from North Dakota State University, Fargo, ND, in 1988; her MS from the University of Kansas, Lawrence, KS, in 1993; and her PhD from the University of Michigan, Ann Arbor, MI, in 1997; all in civil engineering. She is a member of the American Society of Civil Engineers (ASCE) and is a licensed professional engineer in Kansas and Texas.

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

Barzin Mobasher, FACI, is a Professor in the School of Sustainable Engineering and the Built Environment at Arizona State University (ASU), Tempe, AZ. After working with USG Corporation, he joined the Civil Engineering program faculty at ASU in 1991. He has been a member of ACI since 1984.

He has over 30 years of experience in research and educational aspects related to the mechanics of concrete materials and has led many research projects involved with the modeling, design, analysis, materials testing, and full-scale structural testing of cement-based composite systems and structural materials. His publications include more than 150 research papers in journals and conference proceedings, as well as over 100 conference presentations. His fundamental contributions are in the field of fiber-reinforced concrete materials, textile reinforced concrete, and mechanics of toughening in cement-based systems, modeling the mechanical properties of materials, experimental mechanics, and durability of concrete.

Mobasher served as the Chair of ACI Committees 239, Ultra-High Performance Concrete; 544, Fiber-Reinforced Concrete; and 549, Thin Reinforced Cementitious Products and Ferrocement; and Joint ACI-ASCE Committee 446, Fracture Mechanics of Concrete. He has been a reviewer for a variety of journals. He is a member of the American Society of Civil Engineers (ASCE).

He received his BS in civil engineering from the University of Wisconsin-Platteville, Platteville, WI, (summa cum laude) in 1983; his MSCE from Northeastern University, Boston, MA, in 1985; and his PhD in civil engineering from Northwestern University, Evanston, IL, in 1990.

“for outstanding leadership of Committee 341, Earthquake-Resistant Concrete Bridges”

Sri Sritharan, FACI, is the Grace Miller Wilson and T.A. Wilson Endowed Engineering Professor of the Department of

Civil, Construction, and Environmental Engineering at Iowa State University (ISU), Ames, IA, where he served as an Associate Department Chair, Director of Graduate Education, and Faculty Lead for the Wind Energy Initiative. His research expertise includes lateral load design of structures, precast systems, tall concrete wind turbine towers, ultra-high-performance concrete (UHPC), and soil foundation structure interaction. Sritharan is the immediate Past Chair of ACI Committee 341, Earthquake-Resistant Concrete Bridges. He is also a member of Joint ACI-ASCE Committees 445, Shear and Torsion, and 447, Finite Element Analysis of Reinforced Concrete Structures. He also served as a Co-Chair of ACI Subcommittee 341-C, Earthquake Resistant Bridges-Retrofit.

Sritharan has published over 200 journal and conference papers and has advised more than 50 MS and PhD students. In 2015, he received the Martin P. Korn Award from the Precast/Prestressed Concrete Institute (PCI) and the Renewable Energy Impact Award from the Iowa Energy Center. Sritharan received his bachelor's degree with First Class Honors from the University of Peradeniya, Peradeniya, Sri Lanka; his master's degree with Distinction from the University of Auckland, Auckland, New Zealand; and his PhD in structural engineering from the University of California, San Diego, La Jolla, CA, in 1985, 1989, and 1998, respectively.

Chapter Activities Awards

"for her outstanding contributions and support to the Guatemala Chapter – ACI"

Xiomara Sapon-Roldan has been a Training Manager at the Guatemalan Cement and Concrete Institute since 2007. She is a member of the ACI Certification Programs Committee and Chapter Activities Committee. She also serves as Secretary of the Guatemala Chapter – ACI.

Sapon-Roldan's research interests include construction materials, quality control, construction pathology, and sustainability. She is a member of ASTM International. She received her degree 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 Landivar, Guatemala City, Guatemala, in 2013.

"for his outstanding commitment to the advancement of concrete education through his activities in the Intermountain Chapter – ACI"

Jeffrey Tanabe has been the Marketing/Technical Services Manager for CMT Engineering Laboratories, Salt Lake City, UT, for the past 11 years. Previously, he was an Analytical Chemist for Utah Portland Cement/Lone Star Cement in Salt Lake City and QA/QC Manager for MONROC Utah Aggregate, Asphalt, Ready Mix and Precast operations.

He spent several years as a Technical Sales, Product Development, and Marketing Representative for Utelite Corporation (manufacturer of expanded clay and shale ceramic aggregates in Utah); Pozzolanic International (a U.S.

and Canadian fly ash distributor); and Holnam Inc., (cement manufacturer and distributor, Devils Slide, UT, for Utah, Wyoming, and Idaho).

Tanabe is active on the Intermountain Chapter – ACI, where he has served as Chair on numerous committees, and was also an Officer on the Chapter's Board of Direction, Vice President, and Chapter President. He received a chapter award for his involvement with the ACI Spring Convention in Salt Lake City.

Walter P. Moore, Jr. Faculty Achievement Award

"for integrating the study of cementitious materials, including concepts of sustainability and the impact of cement and concrete on the environment, into general undergraduate materials engineering courses and thus encouraging undergraduate student interest in cementitious materials research and the cement-based materials industry"

Gaurav N. Sant is an Associate Professor and the Edward K. and Linda L. Rice Endowed Chair in Materials Science in the Department of Civil and Environmental Engineering and a member of the California Nanosystems Institute at the University of California, Los Angeles, Los Angeles, CA.

Sant has authored or co-authored over 80 papers in international journal and conference publications. He was the recipient of the National Science Foundation (NSF) CAREER Award and the Hellman Fellowship in 2013. His research interests include better understanding the relations between the composition, structure, and properties of cementitious materials and porous media. Efforts toward reducing the CO₂ impacts of construction materials and civil engineering infrastructure on the environment are of special interest.

He is a member of ACI Committees 212, Chemical Admixtures; 231, Properties of Concrete at Early Ages; and 236, Material Science of Concrete. He is also a member of ASTM International Committees C01, Cement, and C09, Concrete and Concrete Aggregates; and a member of the American Society of Civil Engineers (ASCE), RILEM, and the American Ceramic Society. He received his BSCE, MSCE, and PhD in civil engineering from Purdue University, West Lafayette, IN, in 2006, 2007, and 2009, respectively, and spent a postdoctoral year as a Research Scientist in 2010 at the Ecole Polytechnique Federale de Lausanne (EPFL), Lausanne, Switzerland.

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