

ACI Members Elected as ICT Honorary Fellows

The Institute of Concrete Technology (ICT) elected several ACI members as Honorary Fellows during its 50th Anniversary celebration. Honorary Fellowship is ICT's highest level of membership and is given to those who have made significant contributions to the concrete industry. The following ACI members were elected:



Burg

Ronald G. Burg, FACI, is the ACI Executive Vice President, providing overall management of ACI staff. Before joining ACI, he served as Vice President at CTLGroup, Skokie, IL, USA. In addition, he served on the ACI Board of Direction, Technical Activities Committee as a member and Chair, and various technical committees. He contributed to numerous papers and publications and

received the 2001 ACI Wason Medal for Materials Research along with his co-authors for their paper "Compression Testing of HSC: Latest Technology" in *Concrete International*. Burg was selected as a 2022 inductee of Distinguished Alumni by the Department of Civil, Construction, and Environmental Engineering at Iowa State University (ISU), Ames, IA, USA.



Ellis

ACI Honorary Member **Anne M. Ellis** is the Executive Director of the Charles Pankow Foundation. Ellis served as ACI President (2013-2014), as well as Chair of the National Institute of Building Sciences Board of Directors (2021-2022). In recognition of her industry leadership, she was named one of the "Most Influential People in Concrete Construction" in 2013 by *Concrete*

Construction magazine and received the ACI Strategic Advancement Award in 2020. She co-authored the "Concrete Design and Construction" section of the *Standard Handbook for Civil Engineers*, fifth edition. An advocate for industry advancement, Ellis served by appointment of five different U.S. cabinet secretaries to their federal advisory committees on matters of energy and trade policy.



Lewis

Robert C. Lewis, FACI and member of the ACI Board of Direction, is the Technical Marketing Manager – Silica Fume, at Ferroglobe, PLC. He is the immediate Past President of ICT as well as the long-standing Chair of the ICT Tech and Ed Committee. As ICT President (2019-2021), he steered the Institute through the opening year of the

pandemic, presiding over the switch to remote working and the introduction of webinars and the first virtual convention. He started his career as a Senior Field Technician at Tarmac Topmix in 1978, and joined Elkem in 1986 as its Technical Marketing Manager. During his more than 32 years career at Elkem, he became known internationally for promoting silica fume in concrete constructions. He has written and presented widely on aspects of the concrete technology related to the use of silica fume, and contributed a chapter on silica fume to the fifth edition of Lea's *Chemistry of Cement and Concrete*.



Manjrekar

ACI Honorary Member **Surendra K. Manjrekar** is the Chairman and Managing Director of Sunanda Speciality Coatings Pvt. Ltd. He joined ACI in 1987. Manjrekar conducts and teaches ACI certification field testing courses in India. He served as President of the ACI India Chapter for several years. He has published more than 200 papers in various national and international journals

and served as a guest editor of the *Construction and Building Materials* journal, *Cement and Concrete Research* journal, and *Revista ALCONPAT*. Manjrekar has made more than 100 keynote presentations throughout the United Kingdom, United States, Malaysia, Oman, Dubai, Sharjah, Kuwait, Romania, and Hong Kong on topics including concrete, corrosion prevention, dampproofing, repairs, and nano materials. He received the Industry Doyen award by the Construction Industry Development Council (CIDC) Government of India, the highest recognition of the construction industry in India.

ICT's mission is to promote concrete technology as a recognized engineering discipline and to consolidate the professional status of practicing concrete technologists worldwide.

Register for the Fall ACI Concrete Convention

Registration is now open for the Fall ACI Concrete Convention in Dallas, TX, USA, with in-person and hybrid options. Select programming will be available on-demand to attendees who choose to attend virtually.

Engineers, contractors, researchers, manufacturers, and material representatives will convene on October 23-27, 2022, to collaborate on concrete codes, specifications, and practices. Technical and educational sessions will provide attendees with the latest research, case studies, best practices, and the opportunity to earn Professional Development Hours (PDHs).

The ACI Concrete Convention is an opportunity to showcase companies, projects, current events, research, and offers networking events where you can meet with many concrete industry professionals. Attendees may also visit the

exhibit hall to learn more about the products and services offered by exhibitors.

Over 200 industry-leading speakers will present live at the convention. Sessions will be available to those who registered for the in-person event in Dallas or those who register for the on-demand technical sessions. All technical sessions will be available on-demand through the convention platform and will be available for viewing after premiering live at the convention.

ACI Convention highlights include the International Workshop on Structural Concrete, International Lunch with Santiago Pujol presenting on “Sozen’s Zen: Interactions with Japanese Researchers,” Opening Session and Keynote Presentation titled “Lead with Passion” by Art delaCruz, ACI Excellence in Concrete Construction Awards Gala, Concrete Mixer, NEx Workshop on FRP Bars, and President’s Reception.

The ACI Convention will hold over 300 committee meetings, 50+ technical sessions, an industry trade exhibition, networking events, and more. The convention is supported by Controls, Inc.; Baker Concrete Construction, Inc.; Ash Grove Cement Co.; The Euclid Chemical Company; Master Builders Solutions; and many additional sponsors.

To learn more about the ACI Concrete Convention and to register, visit www.aciconvention.org.

Registration Open for ACI Foundation 2022 Technology Forum

The ACI Foundation’s Concrete Innovation Council (CIC) will host its next Technology Forum on August 30-September 1, 2022, in St. Paul, MN, USA. This in-person forum will include four technology showcases, over 10 different presentations, and a debate.

A debate titled “Alternatives to

Cylinder Breaks for Acceptance Testing” will be moderated by Rex A. Donahey, ACI Director, Innovative Concrete Technology. Participants will discuss if the industry could/should develop more rapid and reliable acceptance criteria based, for example, on multivariate analyses of fresh concrete properties and data from nondestructive tests and sensors. Viewpoints of contractor, producer, specifier, and testing agency sectors will be represented, as well as a Q&A with attendees.

The ACI Foundation Technology Forum is an industry-exclusive educational and networking event for concrete professionals. For more information and to register, visit

www.acifoundation.org/technology.

2022 Professors’ Workshop

The 2022 Professors’ Workshop was held in two parts—the first being an online-only event on July 18-19, 2022, and the second was a face-to-face event held at ACI World Headquarters in Farmington Hills, MI, USA, on July 26-27, 2022.

The Professors’ Workshop is designed to provide instructors in civil engineering, architecture, architectural engineering, materials science, and construction management programs, as well as the latest tools and teaching techniques to engage students in courses that cover structural concrete design, construction, materials, and pavements.

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Prominent, nationally known faculty and industry representatives presented information and resources to assist professors in preparing or fine-tuning their concrete-related courses. The synchronous online portion of the workshop focused on providing teaching resources that are suited for both online and face-to-face formats.

The face-to-face sessions at ACI HQ included numerous breakout sessions to develop course goals, student learning objectives in the context of topical modules, instructional materials, laboratory activities, and assessments. The breakout sessions were guided by the Professors' Workshop faculty with an opportunity to exchange teaching ideas with faculty and fellow attendees.

Apply for ACI Foundation Fellowships and Scholarships

The ACI Foundation is now accepting applications from graduate and undergraduate students for the 2023-2024 academic year. Four new fellowships and three new scholarships have been added, growing the total annual awards available to 38. New awards include:

- JoAnne K. and Cecil L. Jones Carolinas Fellowship (graduate or undergraduate);
- Bernard Erlin Memorial Scholarship (graduate);
- ACI Foundation Fellowship (three awards, graduate or undergraduate); and
- ACI Foundation Scholarship (two awards, graduate or undergraduate).

ACI Foundation fellowships are offered to both undergraduate and graduate students pursuing a concrete-related degree at an accredited institution in the United States, Canada, or Mexico. Students in eligible countries can apply for the ACI Foundation Middle East & North Africa Fellowship.

Fellowships provide the following benefits:

- An educational stipend of \$10,000 (\$15,000 USD for the Daniel W. Falconer Memorial Fellowship);
- Airfare, hotel, travel stipend, and registration to attend two ACI Concrete Conventions (travel contingent upon state and country laws);
- Assignment to a mentor;
- An internship, if required; and
- Recognition at ACI Concrete Conventions, in *Concrete International*, and on ACI Foundation's website and social media.

ACI Foundation scholarships are also offered to graduate and undergraduate students pursuing a concrete-related degree or program. International students are eligible to apply for all scholarships that are not region specific as defined by the sponsor. Among other requirements, students must obtain two

endorsements with one of the endorsements being from an ACI member. Each ACI Foundation scholarship includes an educational stipend of \$5000 USD.

The purpose of the ACI Foundation's student fellowship and scholarship program is to identify, attract, and develop outstanding professionals for future careers in the concrete industry. The deadline for this application period is November 1, 2022. Additional application details are available at www.acifoundation.org/scholarships.

2024 President of American Society of Civil Engineers Elected

The American Society of Civil Engineers (ASCE) members elected **Marsia Geldert-Murphey** as President of the Society for the 2023-2024 term. Geldert-Murphey is currently Chair of ASCE's Public Policy and Practice Committee, which coordinates public policy and government relations activities affecting the civil engineering profession and work with allied organizations on matters of mutual interest. Specializing in transportation and geotechnical engineering, she is currently the Regional Director for Missouri and Illinois for the Lochmueller Group, Inc., a Midwestern consulting firm.

Geldert-Murphey has been involved in ASCE for 32 years and has acted in leadership roles within the Society since 2006. She served on the ASCE Board of Direction from 2016-2019 as the Region 7 director. She began her leadership within the Society as President of ASCE's St. Louis Section in 2006 and as Region 7 Governor from 2009-2013. Her ASCE activity involvement includes service on several Society-level committees such as program and finance, leader training, and diversity and women, as well as serving as a mentor.

Geldert-Murphey received her BS in civil engineering at South Dakota State University, Brookings, SD, USA. She received her MS in civil engineering at the University of Missouri Science and Technology, Rolla, MO, USA.

U.S. Resiliency Council Publishes Earthquake Performance Comparison Study

The Ready Mixed Concrete (RMC) Research & Education Foundation and the National Ready Mixed Concrete Association (NRMCA) announced a new report from the U.S. Resiliency Council (USRC) titled "Earthquake Performance Comparison of Multifamily, Multistory Apartment Building Constructed of Various Materials." The report evaluated the comparative seismic performance of four commonly used construction types, including traditional wood framing, cross-laminated timber (CLT), steel framing, and concrete built using insulated concrete forms (ICF) for a typical multifamily building in Los Angeles, CA, USA; Seattle, WA,

USA; and Memphis, TN, USA. The report estimated a potential return on investment when comparing construction and post-earthquake recovery costs of concrete versus the other construction materials. While there are a variety of factors that could be considered, the study focused on benefits surrounding reduced property loss and rental losses in each of the three geographical locations.

The report is available for download at <https://rmc-foundation.org>.

ACMA Unveils New Climate Impact Project

The American Composites Manufacturers Association (ACMA) launched its Climate Impact Project. The new initiative will equip manufacturers of fiber-reinforced-polymer composite and cast polymer products with tools, education, and technical resources to provide their customers with important information about the climate impacts associated with the production of their products and raw materials.

The Climate Impact Project started with an updated and

expanded ACMA Life-Cycle Inventory (LCI), providing estimates of the climate impacts associated with the production of unsaturated polyester, vinyl ester, epoxy and polyurethane resins, and glass- and carbon-fiber reinforcement, and with the manufacture of composite products using the compression molding, open molding, open mold casting, vacuum infusion, and pultrusion processes, and lastly, with secondary bonding. Additional components of the project include three new model Life-Cycle Assessments (LCAs), an online LCA tool that uses company specific information together with data from the LCI to prepare customized LCAs for their products; and a new Product Category Rule for composite construction and infrastructure products.

The Climate Impact Project is funded through ACMA’s Composites Growth Initiative Fund, which includes contributions and support from composites industry raw material suppliers—AOC, Composites One, INEOS Composites, Interplastic, Jushi USA, Nippon Electric Glass Co., Olin Epoxy, Owens Corning, and Polynt Reichhold.



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