

## 2022 Emerging Leaders Alliance Conference for Young Professionals

Six Young Professionals represented ACI during the Emerging Leaders Alliance (ELA) conference held September 26-28, 2022, at The Omni Penn Hotel in Pittsburgh, PA, USA.

ELA is a partnership among leading engineering and science-based organizations that provides high-quality leadership training. For the past 12 years, ELA has hosted an interdisciplinary leadership conference for young professionals, providing advanced training in topics such as management, personal branding, social styles, problem-solving, presentation skills, and global diversity.

Applicants with less than 8 years of industry experience were required to submit a resume, nomination letter, and essay questions related to leadership.

This is ACI's fourth year participating in the conference. Kanette Worlds, ACI Student, Faculty, and Young Professional Activities Coordinator, also attended the conference as a partner representative. Other partners include The American Institute of Mining, Metallurgical, and Petroleum Engineers; Association for Iron & Steel Technology; Association for Materials Protection and Performance; International Erosion Control Association; Society for Mining Metallurgy & Exploration; Society of Petroleum Engineers; and The Minerals, Metals & Materials Society.

The six young professionals that represented ACI included Andres Matos, Junior Civil Engineer, Flood Testing Labs, Chicago, IL, USA; Xijun Jeff Shi, Assistant Professor, Texas State University, San Marcos, TX, USA; Jovan Tatar, Assistant Professor, University of Delaware, Newark, DE, USA; Kanchani Basnayake, Graduate Research Assistant,

Western Michigan University, Kalamazoo, MI, USA; Ying Wang, Research & Teaching Assistant, University of Miami, Coral Gables, FL, USA; and Yogiraj Sargam, Research Scientist, CarbonCure Technologies.

## ACI Provides Code Updates at The Big 5 Construct Egypt

ACI hosted an education program: "Highlights on ACI new Initiatives; 318PLUS, Sustainability, and Innovation," on June 26, 2022, at The Big 5 Construct in Egypt.

Ahmad Mhanna, ACI Middle East Regional Director, gave attendees an introduction to the Institute and its mission to develop and disseminate concrete knowledge, along with an overview of the ACI 318PLUS platform and its benefits for structural engineers and educators. Mhanna also provided an overview of ACI's efforts and initiatives concerning the sustainable use of concrete and how the Institute embraces constructability improvement and innovation. Attendees were also able to have an in-depth look into topics including sustainability, innovation, and ACI 318-19: Building Code Requirements for Structural Concrete.

## Young Professional Receives Free ACI Convention Registration

The Women in ACI ad hoc committee selected Hilary Chaimov to receive free registration to the ACI Concrete Convention, October 23-27, 2022, in Dallas, TX. The program is dedicated to sharing the experience of professional and technical collaboration with emerging faces in the concrete industry by offering free registration twice a year to men and women with less than 8 years of industry experience.

Hilary Chaimov is a Drainage Engineer at Kiewit Infrastructure Engineering in Denver, CO, USA, and also a part-time Technical Consultant for the Slag Cement Association. In her application, Chaimov states the value of attending the convention will allow her to stay informed about the most current research in the industry and the development of the ACI Committee 233 reference document. She is looking forward to developing relationships with experts in the field.

For more information and how to apply for the next Young Professional Free Convention Registration Program, visit [www.concrete.org/aboutaci/honorsandawards/awards/otherawards.aspx](http://www.concrete.org/aboutaci/honorsandawards/awards/otherawards.aspx).

## Cement and Concrete Industry Leaders Discuss Roadmap to Carbon Neutrality at New York Climate Week 2022

During a New York Climate Week 2022 panel event held on September 20, 2022, in New York, NY, USA, the Portland Cement Association (PCA), in partnership with the Global



Young professionals who represented ACI during the Emerging Leaders Alliance conference

Cement and Concrete Association (GCCA), showcased the industry's decarbonization progress since launching its Roadmap to Carbon Neutrality in October 2021. Panelists also reviewed the next steps to accelerate efforts. While PCA spoke to U.S. cement companies' advancements, GCCA provided a global perspective.

Special Advisor to the UN Secretary General for Climate Action and Just Transition Selwin Hart delivered the keynote speech, issuing a strong call for governments to take a more active role in helping to expedite industry efforts. Panelists also addressed specific policies that are vital to building a green, net zero concrete future, and discussed innovative tools available to stakeholders and policymakers worldwide.

"Cement and concrete are now at the heart of the U.S. infrastructure plan," said Mike Ireland, President and CEO of PCA. "There is much work to be done, PCA in collaboration with GCCA, and so many others are doing amazing things already. Our industry has long recognized the need for emissions reduction and has taken steps to increase efficiencies for many years, but we're in a unique position to do much more. We're already seeing encouraging signs of progress on our Roadmap. We must collaborate across the entire value chain to reach carbon neutrality."

Hart remarked to industry leaders: "The world is way off track from keeping the 1.5C global warming limit alive and meeting the goals of the Paris Agreement. We urgently need all hands on deck. GCCA represents 80% of the cement industry—responsible for 7% of global CO<sub>2</sub> emissions. You have the power to shape history. Your global association was the first heavy industry association to set a net-zero commitment. But that means the easy part is done. We need you to be champions of net-zero credibility by bringing your entire industry and supply chain on board, including specific plans on how you will all reach net-zero and what immediate steps you'll take to cut emissions significantly each year."

PCA member companies represent the majority of U.S. cement production capacity. Through its Roadmap, PCA and member companies have been working with industry partners globally, including research groups, along with government agencies, nongovernmental organizations, and academic institutions working toward a future of carbon neutrality.

"We're coming up on one year since we formally launched our Roadmap to Carbon Neutrality and we've exceeded our expectations for near-term progress in such a short time," said Ron Henley, President of GCC of America and Chairman of PCA. "We aimed to increase the use of available lower carbon cement products, and we're already seeing more requirements from architects and builders requesting lower carbon cement options. Carbon capture, utilization, and storage is another big issue we want to accelerate addressing, and we have a number

of pilot projects looking at this from various angles. We are working with the administration to get more funding to expand and provide breakthrough technologies. We are committed to engaging the necessary stakeholders, and are pursuing dialogues with regulators, other industries, academics, and many others to make this work."

"Since 1980, cement producers have reduced energy usage by 40%. But this is not enough—we need to accelerate reductions across the value chain," said Filiberto Ruiz, President and CEO of Votorantim Cimentos North America and Vice Chairman of PCA. "At the cement plant, we can continue reducing emissions and add value to materials otherwise headed to landfills by reusing them as fuel. In the United States, cement producers are only displacing their use of fossil fuels by 15%, on average, in comparison to 30 or 40% in other countries. Recently, we have been working with the Department of Energy to reduce the use of fossil fuels, but to do so we need new permitting and other regulation changes."

## **CIM Program Seeks Donations for 2023 Auction at World of Concrete**

The Concrete Industry Management (CIM) program, a business-intensive program that awards students with a 4-year BS in concrete industry management, is seeking donations for the 2023 CIM Auction to be held at World of Concrete in Las Vegas, NV, USA. The auction is scheduled for January 18, 2023, at the Las Vegas Convention Center. The silent auction will be held from 11 a.m. to 1 p.m., and the live auction begins at 1 p.m.

"The proceeds from the 2023 CIM Auction will benefit the CIM National Steering Committee (NSC) and support the current CIM programs at Middle Tennessee State University, New Jersey Institute of Technology, Texas State University, California State University – Chico, South Dakota State University, the Executive MBA program, as well as help fund scholarships," said Ben Robuck, Chairman of the CIM Auction Committee.

The CIM Auction organizers are hoping for another record event in 2023. According to CIM Marketing Committee Chairman Brian Gallagher, the 2022 auction broke all previous years' auctions, raising more than \$1.74 million in gross revenue.

Last year's auction items included a concrete mixer truck, a truck-mounted concrete pump with truck chassis, a high-performance mixer, a laser screed, and a truck wash system. Other donated items included cement and admixtures, skid steers, concrete saws, drills, mixers, vibrators, scaffolding, safety equipment, fiber transport systems, dust collectors, NDT equipment, decorative concrete tools, water meters,

pumps, generators, training sessions, reference books, advertisements, laptop computers, mobile computers, sports memorabilia, sports travel packages, golf packages, and vacation travel packages.

Those interested in donating to the auction should contact CIM Auction Committee Chairman Ben Robuck at [ben.robuck@cemex.com](mailto:ben.robuck@cemex.com) or +1.404.456.6867.

## ICPI-NCMA Rebrand Update

Members of both the Interlocking Concrete Pavement Institute (ICPI) and the National Concrete Masonry Association (NCMA) voted to merge as ICPI-NCMA. The merge became effective in July 2022. In addition, ICPI-NCMA announced its senior staff leadership team that also took effect in July, which includes Robert Thomas, President/CEO; Merry Beth Hall, Chief Operating Officer; Rich Gemelaris, Vice President of Finance and Operations; Erin Hobson, Director of Meetings and Events; Clare Ramminger, Director of Membership; Lee Krinzman, Director of Education; Nick Lang, Vice President of Engineering and Advocacy; Robert Bowers, Director of Engineering, Hardscapes; David Smith, Vice President of Research and Development, Pavers; and Jason Thompson, Vice President of Research and Development, Masonry.

On September 16, 2022, members of the rebranding task group, along with other ICPI-NCMA members and staff, met in Minneapolis, MN, USA, at CLUTCH headquarters for a workshop. Several members also participated virtually. ICPI-NCMA has partnered with CLUTCH for the rebranding efforts for the organization. During the workshop, attendees prioritized potential organization names, worked to develop a position statement for the new organization, worked on audience

identification and prioritization, and identified messages by audience and key touchpoints/activities for the brand rollout.

For more information on the ICPI-NCMA unification process, visit <https://icpi-ncma-unification.com/news>.

## ICC and ASTM International Collaborate on Digital Offering

The International Code Council (ICC), in collaboration with ASTM International, has made it easier for the building safety industry to adopt a digital-first strategy through ICC's Digital Codes Premium Complete. As

part of the update, subscribers, at no additional cost, will have access to over 525 ASTM standards referenced in the 2021 International Codes (I-Codes). Every ASTM standard that is referenced in the 2021 I-Codes is available in a read-only format.

As more remote users have off-site requirements for codes and standards, building safety professionals needed more readily available, digital options. The online offering includes all ICC digital publications and over 1000 referenced standards cited across the codes, allowing users quick access to standards.

For more information, visit <https://codes.iccsafe.org>.

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## Design Guide on the ACI 318 Building Code Requirements for Structural Concrete

**With OVER 990 pages and 140 worked-out examples,** this unique Design Guide assists in the proper application of the provisions in the 2019 edition of Building Code Requirements for Structural Concrete (ACI 318-19) for cast-in-place concrete buildings with nonprestressed reinforcement.

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