



American Concrete Institute
Always advancing

2021 Global Impact Report



Aldilonda Promenade Around Bastia Fortress

Corse-du-Sud, France

1st Place Flatwork Category and Overall Excellence Award Winner



Message from the President



*Cary Kopczynski,
ACI President*

I couldn't be prouder of the commitment that our community has shown toward a future where everyone has the knowledge needed to use concrete effectively. While 2021 has been challenging, you and ACI's 30,000+ global members continued to invest your time to strengthen our chapters and build consensus in the Institute's world-renowned codes, specifications, and practices. Our industry experts have been sharing their knowledge through webinars and on-demand courses that are now free to members—and members like you have been engaging with these education resources at a pace we've never seen before. And to those of you who have made personal and business contributions to further fund the important work of the ACI Foundation, we are so grateful for your generosity and your trust.

And ACI has mirrored that investment. The Institute has made an investment and a commitment to identifying and facilitating innovative technology into practice. Through our new ACI Resource Centers, we have invested in hands-on training and in-person education for trades, contractors, inspectors, designers, and engineers. And we've continued to invest in the technology that allows thousands of us to learn and convene virtually for our twice-annual conventions.

While none of us know what 2022 and beyond holds, I am most confident journeying forward with you alongside. Learn more on the following pages.

Sincerely,

Cary Kopczynski, PE, SE, FACI, FPTI
President
American Concrete Institute

ACI Resource Centers Bring Expanded Access to Industry

With the launch of the inaugural American Concrete Institute Resource Center in San Bernardino, CA, in 2020, the Institute positioned itself to assist the industry in meeting the demand for further access to ACI knowledge. Beginning in 2022, inspectors, contractors, designers, and engineers will have additional regional access to ACI offerings through the ACI Resource Center – Midwest/Chicago. Located near O'Hare International Airport, this new Resource Center will offer expanded access to ACI certification programs, hands-on training, and educational offerings.

Coming in 2022, ACI Slabs Week at the ACI Resource Center – Southern California will mark the first-ever opportunity to participate in several days of educational seminars, certification review sessions and exams, and earn an ACI Specialty Commercial/Industrial Concrete Flatwork Finisher and Technician certification. Educational content includes seminars on *Design of Slabs-on-Ground* and *Construction of Slabs-on-Ground*, plus review sessions and exams for ACI Concrete Flatwork Finisher and ACI Decorative Concrete Flatwork Finisher certification programs.

As the ever-growing industry demand for access to ACI content was a driving factor behind launching ACI Resource Centers, the Institute is proud to continue Always Advancing through a coordinated effort with ACI and its volunteers, chapters, and sponsoring groups. For more information on upcoming programming at ACI Resource Centers, visit concrete.org/resourcecenters.



Code Adoption

In 2021, ACI Code Advocacy Engineers attended and advocated at numerous seminars, shows, and hearings throughout the United States. Nearly 10 state-level collaboration groups were created to assist in public comment on proposals and provide additional support for the adoption of ACI codes and certifications in their area.

In late 2021, ACI hosted the 1st International ACI Code Summit virtually. The goal of the summit was to provide countries adopting ACI codes a space to share the challenges they face and the solutions they've developed when modifying ACI CODE-318 to suit their country. Several international speakers provided local perspectives so that we could all learn from their experiences. The knowledge shared by this group may also help ACI implement changes that would make it simpler for countries to adopt ACI codes.



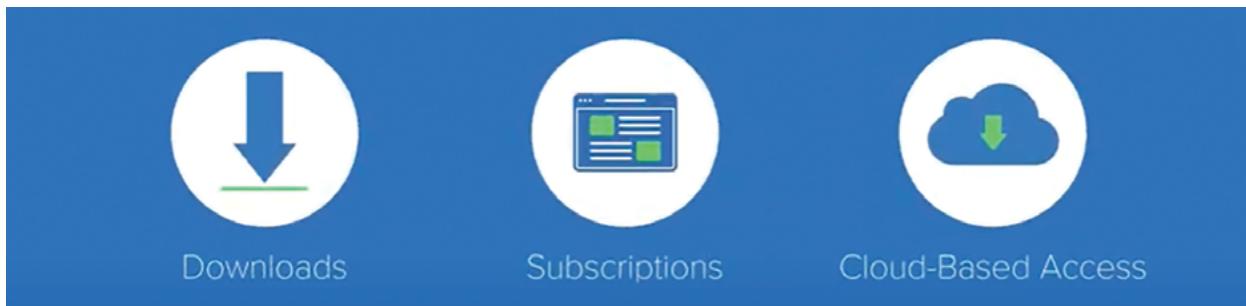
New Code Committees

ACI is making significant progress in expanding the scope covered by its code documents. Since 2019, ACI has formed committees covering code requirements for precast/prestressed structural concrete (Joint ACI-PCI Committee 319), post-tensioned structural concrete (Joint ACI-PTI Committee 320), concrete durability (ACI Committee 321), concrete pools and watershapes (ACI Committee 322), and fiber-reinforced polymer repair and rehabilitation of concrete (ACI Committee 440S). All of these committees held meetings at the ACI Virtual Concrete Convention, where they began to formalize and discuss the creation of the new codes that will soon play an important role alongside ACI CODE-318.

In 2021, ACI published over 30 new/updated codes, specifications, and practices, including the highly anticipated ACI CODE-122.1-21, ACI CODE-562-21, and ACI CODE-350-20.

In 2021, ACI members participated in 2043 free ACI University webinars available through their ACI membership.

Multi-Publisher/Multi-User Solutions



ACI partners with several leading providers of digital content, including IHS, Techstreet, Madcad.com, BSB Edge, and SAI Global. Customers can choose the content/standards their team needs; bundle ACI content with content from ICC, ASCE, ASHRAE, and hundreds of other leading publishers; provide access to a single individual or any number of concurrent users; and provide access to users at any number of homes, offices, or campuses worldwide. Learn more at concrete.org/multi.



The Outlook 2030 report contains nine recommendations, one of which states, “Change ACI’s information flow from passive to active; create opportunities for online products and guides; empower staff to create more products derived from ACI code and committee documents.”

With that recommendation in mind, ACI staff built the entirely new ACI PLUS document delivery platform featuring a new annual subscription: ACI 318 PLUS. This new subscription provides users with convenient digital interactive access to ACI CODE-318-19, along with in-document access to related resources and enhanced digital search features through all code provisions and commentary. Since its launch in March 2021, ACI 318 PLUS now has nearly 1000 users and continues to grow.

ACI Collection

Specifically developed for individual users, the online subscription to the ACI Collection is the most convenient format, is always up-to-date, and includes access to every new ACI technical committee document as soon as it is published. Additionally, the online subscription includes access to current and historical versions of ACI’s codes and specifications, along with versions in both inch-pound and SI units.

ACI Certification Activity Sees Strong Return in 2021

The American Concrete Institute has been certifying concrete craftsmen, technicians, and inspectors for nearly four decades. With more than 30 certification programs available across concrete testing, inspection, and construction/specialist roles, the industry has seen considerable growth over the years in the number of projects requiring ACI-certified individuals.

As a result of increased access to ACI Certification programs since the beginning of the year, thousands of individuals have earned certifications each month in 2021—many of whom are in newer offerings such as the Post-Installed Concrete Anchor Installation Inspector and Shotcrete Inspector programs, along with perennial favorites including Concrete Field Testing Technician – Grade I, Concrete Strength Testing Technician, and Concrete Flatwork Associate. Numbers to date in 2021 align with past trends often seen in some of ACI Certification's most active and successful years.

ACI also released a new workbook for its most popular certification program, Concrete Field Testing Technician – Grade I. The new CP-1, 40th Edition: Technician Workbook for ACI Certification of Concrete Field Testing Technician – Grade I, is authored in a way that offers a comprehensive exam preparation option better-tailored for technicians and trainers.

With more than 120,000 current certifications to support the industry and activity returning to historic levels, owners, specifiers, and employers continue to understand the value ACI Certification brings to projects and companies.





Virtual Gatherings



During 2021, the American Concrete Institute held multiple virtual gatherings that brought its international concrete community together, including both its spring and fall ACI Virtual Concrete Conventions, along with a new virtual event: 24 Hours of Concrete Knowledge. The event was held on July 13, 2021, to over 700 attendees from 60 different countries.

Honorary Members



Bev Garnant



Lawrence F. Kahn



William E. Rushing Jr.



Luke M. Snell



Roberto Stark

Advancing Organizational Excellence

With roots dating back to 1990, Advancing Organizational Excellence (AOE), an ACI subsidiary, provides full-service association management expertise and service offerings ranging from business and operational, to marketing and technical expertise.

AOE is the leading concrete and building industry resource for management, marketing, and other consulting needs. In 2021, AOE further expanded their offerings to include Practice Groups in Sustainability, Crisis Communications, as well as Diversity, Equity, and Inclusion.

AOE differs from other consulting firms not only in its mission to serve the unique needs of the concrete and building industry, but also for its commitment to invest 100 percent of its profits back in the industries it serves. This impact can be seen in the form of scholarships, fellowships, and training, to sponsoring your events and activities—paving the way for your future leaders—and ensuring you have the funding to reach your members and target clients. In the last 5 years alone, AOE has reinvested more than \$450,000 in the design and construction industry.

Advancing Organizational Excellence isn't just their name...it is their calling. Learn more at aoeteam.com.



“The AOE team is a true asset to the Industry. For that, I say ‘thank you.’ ”

*—Ronald Burg, Executive Vice President,
American Concrete Institute*

ACI Foundation

Established in 1989, ACI Foundation is a wholly owned and operated 501(c)(3) nonprofit subsidiary of American Concrete Institute that makes strategic investments in ideas, research, and people to build the future of the concrete industry. Through contributions from industry partners and individual supporters, ACI Foundation awards fellowships and scholarships to high-potential students in concrete-related undergraduate and graduate degree programs; offers research grants to expand the knowledge and sustainability of concrete materials, construction, and structures; and nurtures innovative solutions to advance emerging and mature technologies.

Help ACI Foundation build the future by contributing today. Visit acifoundation.org/giving or scan the QR code.

2021 IMPACT

AWARDED	DISTRIBUTED
22	\$480,000
Scholarships & Fellowships	in Research Grants



"I definitely would not have been able to get here without the ACI Foundation Fellowship and the incredible people in the concrete industry who have taken time out of their day to mentor me."

-Maddie Murphree of University of Florida, 2020-21 recipient of the Concrete Materials Fellowship



ACI Launches New Center of Excellence for Nonmetallic Building Materials

The American Concrete Institute has partnered with founding member Aramco Americas to establish NEx: An ACI Center of Excellence for Nonmetallic Building Materials. Based at ACI World Headquarters in Farmington Hills, MI, USA, NEx will focus on accelerating the use of nonmetallic materials and products in construction, leveraging ACI's role as a world-leading authority and resource for the development, dissemination, and adoption of consensus-based standards for concrete design, construction, and materials.

As nonmetallic materials are increasingly being deployed across multiple industries, including oil and gas, construction, automotive, packaging, and renewables, NEx aims to achieve more sustainable building solutions through advances in nonmetallic technologies. Incorporation of nonmetallic materials and products in the built environment may contribute to improved sustainability, durability, and resilience of structures.

NEx has hired Jerzy Zemajtis as Executive Director, with an initial focus on new member recruitment from leading academic institutions, industries, technical societies, standard bodies, manufacturers, and professionals. As the center's mission expands to include the use of nonmetallics in other construction materials, such as composite cladding, asphalt, and soil, NEx will further build upon its mission of development and adoption of nonmetallic materials in building and construction.

To learn more about NEx, or to get involved, visit nonmetallic.org.



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Always advancing – The American Concrete Institute is a leading global authority for the development, dissemination, and adoption of its consensus-based standards; technical resources; and educational, training, and certification programs. Founded in 1904, ACI is headquartered in Farmington Hills, MI, USA, with a regional office in Dubai, UAE, and a resource center in Southern California.

Visit concrete.org for additional information.

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