



2018 GLOBAL IMPACT REPORT



The American Concrete Institute

has **96** chapters,
168 student chapters,
and **30,000** members
spanning **120** countries



David A Lange,
ACI President

A leading authority and resource worldwide for individuals and organizations involved in concrete design, construction, and materials, the American Concrete Institute focuses its efforts on the development, dissemination, and adoption of its consensus-based standards, technical resources, educational and training programs, certification programs, and proven expertise to concrete industry professionals who share a commitment to pursuing the best use of concrete. In the following pages, we offer a snapshot of the accomplishments, leadership, and vision being created and executed every day by the ACI community.

As part of a comprehensive regional plan, ACI has been actively working to increase its programs and activities in the Middle East region. ACI has opened an office in Dubai, United Arab Emirates. The office will be focusing on advancing the development, dissemination, and adoption of ACI consensus-based knowledge on concrete and its uses in the region by establishing and nurturing a wide range of strategic relationships with members, chapters, companies, governmental bodies, educational institutions, partners, and other construction industry organizations. ACI continues to fulfill its role of engagement, outreach, and leadership around the world.

From our renowned documents, to our journals, conventions, and educational offerings, ACI continues to strengthen its global partnerships, certification and educational programs, and the work of the ACI Foundation. ACI will continue to help make the world a better place. The Institute is very well equipped to handle the future, with all its challenges and opportunities.

If you are already part of the ACI community, we thank you for your support. If you have yet to connect with us, we hope the following pages inspire you to do so. ACI is firmly committed to providing leadership to ensure our customers are equipped to sustainably address the needs of a changing world. ACI's goal of positively impacting the global concrete community will continue with your support.

Best Regards,
David A. Lange
ACI President

Vision

Founded in 1904 and headquartered in Farmington Hills, Michigan, USA, ACI is the world's foremost professional community dedicated to the best use of concrete, with over 96 chapters, 168 student chapters, and 30,000 members spanning over 120 countries. ACI envisions a future where everyone has the knowledge needed to use concrete effectively to meet the demands of a changing world.

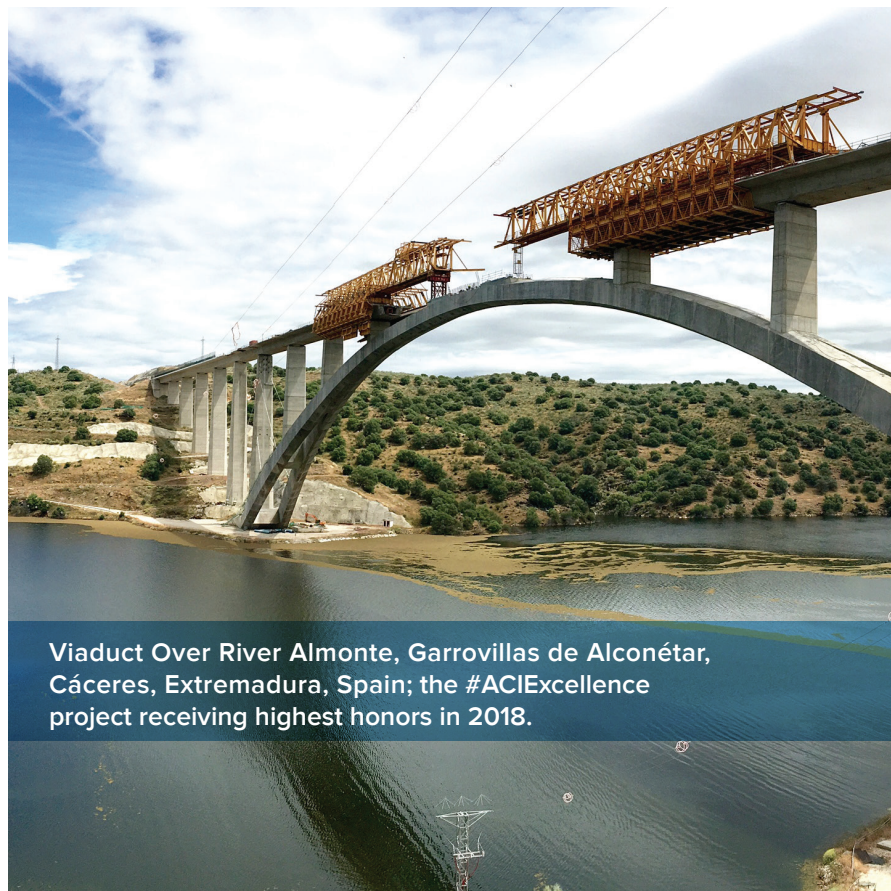
ACI continues to provide leadership to the concrete repair industry. Based on nearly one century of content, ACI 562 Code Requirements for Assessment, Repair, and Rehabilitation of Existing Concrete Structures, combines the Institute's historical knowledge with state-of-the-art resources on the evaluation, repair, and rehabilitation of concrete buildings. The new ACI 563 Specifications for Repair of Structural Concrete in Buildings, assists architects and engineers to apply to any construction repair and rehabilitation project involving structural concrete by citing it in the project specifications.

Since the inception of the ACI Excellence in Concrete Construction Awards, in 2015, the Institute has recognized 228 projects showcasing the leadership and ingenuity embodied throughout ACI's network of chapters and global partners. This annual awards program and accompanying gala event have honored concrete innovation and excellence across the globe.

2,355

**ATTENDED THE
RECORD-
BREAKING
ACI CONVENTION IN
ANAHEIM, CA, USA.**

**CONVENTION
ATTENDANCE HAS
INCREASED 30%
OVER THE
LAST FIVE YEARS.**



Viaduct Over River Almonte, Garrovillas de Alconétar, Cáceres, Extremadura, Spain; the #ACIExcellence project receiving highest honors in 2018.

Engagement

The American Concrete Institute has more than 260 chapters and student chapters located around the world. ACI actively works to strengthen relationships between ACI and its chapter members by offering educational resources and social events to support the growth of local chapters.

In addition to chapter leadership training events, ACI provides chapter technical talks, presented by ACI's engineering staff, and chapter roundtables, held in conjunction with The ACI Concrete Convention and Exposition.

Chapters play an important role in strengthening relationships—local chapters are often the initial ACI experience for many members, and they are critical for ACI to carry out its mission.

ACI has strong allies around the world and we continue to invest in those friendships. The most important resource that ACI has is its volunteers, and through these partnerships we advance concrete knowledge globally.

ACI collaborates with international partners by providing more knowledge sharing through the International Concrete Abstracts Portal. The portal is an ACI-led collaboration with leading technical organizations from the international concrete industry and offers the most comprehensive collection of published concrete abstracts.

ACI works to increase participation of and add value for its members, chapter members, and customers.



THE INSTITUTE HAS
MORE THAN
13,000
STUDENT
MEMBERS
FROM ACROSS THE GLOBE;
26% GROWTH
OVER LAST YEAR.

Certification

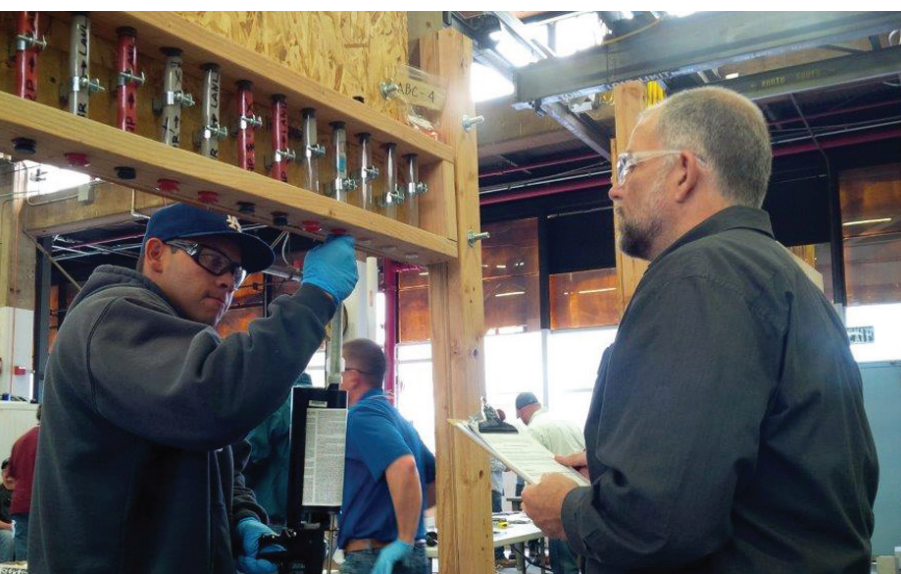
ACI Certification programs provide the credentials to build the best concrete structures in the world. ACI offers 27 certification programs designed to assess the knowledge and skills of those testing, inspecting, and working with all applications in concrete construction. Certification examinations and optional training courses are conducted through an international network of 127 sponsoring groups.

Since its inception in 1983, more than 550,000 craftsmen, technicians, inspectors, and other concrete professionals have pursued ACI Certification. A large and growing list of specifiers and owners are requiring the concrete industries' leading certification credentials from ACI. In 2018, the number of actively certified ACI Concrete Field Testing Technicians surpassed the 80,000 mark, an extraordinary testament to the power of ACI Certification programs.

New programs were added in 2018, including programs for Decorative Concrete Flatwork Finisher and Associate, and the Self-Consolidating Concrete Testing Technician. ACI developed and delivered a customized certification program with the Institute of Concrete Technology in the United Kingdom, and developed a customized program for use in India, with plans to develop additional customized programs in Mexico and other countries.



127
SPONSORING GROUPS
CONDUCT
ACI CERTIFICATION
WORLDWIDE





International Partners

ACI's goal of serving as a major force in creating and maintaining a worldwide community of individuals and organizations supplying and accessing knowledge on concrete is met through its international activities.

ACI's 44 international agreements with concrete-related associations that are committed to cooperation, coordination, and collaboration are a critical step in developing a worldwide unified concrete community.

Our forward-looking attitude and commitment to creating new knowledge places us in service to all the communities of the world. Service is a priority because helping others in pursuing the best use of concrete provides a higher purpose for individual members and the Institute. We are ACI and our members represent the entire world.

Outreach

ACI has opened a new regional office in Dubai, United Arab Emirates. The Middle East Regional office will be focusing on advancing the development, dissemination, and adoption of ACI consensus-based knowledge on concrete and its uses in the region by establishing and nurturing a wide range of strategic relationships with members, chapters, companies, governmental bodies, educational institutions, partners, and other construction industry organizations.

ACI's ambassador speakers impact the global concrete community. The ambassador speaker program was developed to promote ACI technical expertise globally and to create, strengthen, and solidify ACI relations with international organizations—chapters, partners, and technical societies. In 2018, speakers presented in—Australia, China, Colombia, Hong Kong, Indonesia, Mexico, Russia, Singapore, Spain, Thailand, and Vietnam.

**ACI will
POSITIVELY
impact the global
CONCRETE
COMMUNITY
through mutually
beneficial alliances**



Cooperation

ACI hosted the ACI Concrete Essentials Seminar Series at the Big 5 Heavy Show in Dubai, UAE, in March 2018. The 2-day series presented information on several topics and featured a three-part course on the ACI Building Code Requirements for Structural Concrete, which will be used to develop a Gulf Building Code. ACI also exhibited at Big 5 International Building and Construction Show in Dubai, UAE, and the International Concrete Conference and Exhibition, in Sharjah, UAE, in November 2018.

ACI joined with the American Society of Concrete Contractors on a joint Decorative Concrete Committee; and the American Association of State Highway and Transportation Officials (AASHTO) has included a requirement for ACI Adhesive Anchor Installation Certification in the eighth edition of its Load and Resistance Factor Design Bridge Design Specifications.

ACI maintains its relationship with the international concrete community through participation in international events, our active and influential international chapters, and signing collaborative agreements with other international organizations. ACI's international committees serve as a guiding voice to keep international activities and concerns at the forefront of ACI's strategic goals.

ACI opens **MIDDLE EAST REGIONAL OFFICE** in Dubai, UAE



Leadership

Empowering the next generation of concrete designers, constructors, and leaders. ACI is a community where students studying concrete receive free online access to a wide range of the Institute's content. Students demonstrate their knowledge of concrete at regional competitions, then globally at ACI Conventions. ACI's Faculty Network empowers educators to deliver the best information on concrete and its uses through a variety of online resources. The brightest students from throughout the world convene, compete, and excel in the ACI community. Always leading; always advancing. Leading at #ACIConvention.

The Institute now has 636 Fellows—members who have been recognized for their outstanding contributions to the production or use of concrete materials, products, and structures in the areas of education, research, development, design, construction, or management. Six new Honorary Members have been named: Gregory P. Chacos; Uğur Ersoy; Michael C. Forde; Catherine E. French; Robert Douglas Hooton; and Kenneth C. Hover. ACI Honorary membership is the Institute's highest honor, being a person of eminence in the field of the Institute's interest, or one who has performed extraordinary meritorious service to the Institute.



Leading by example at ACI's headquarters: rooftop solar panels, LED lighting, power and heat co-generation, a staff-driven recycling committee, and more green-building improvements on the horizon.

MOST RECENT HONORARY MEMBERS



Gregory P. Chacos



Uğur Ersoy



Michael C. Forde



Catherine E. French



Robert Douglas Hooton



Kenneth C. Hover



**ACI HAS INCREASED ITS 2018 FUNDING
FOR THE ACI FOUNDATION TO
\$1,000,000**

Structure

The American Concrete Institute relies on the work of over 3000 volunteers who serve on committees to develop the latest codes, specifications, and practices related to concrete. ACI committee members consist of professionals from all experience levels and all sectors of the concrete industry. Two new committees were formed in 2018—ACI Committee 242, Alternative Cements, and ACI Committee 564, 3-D Printing with Cementitious Materials.

ACI partners with IHS, Techstreet, Madcad, SAI Global, and BSB Edge to provide global on-demand access to ACI content digitally—from access in one office to many concurrent users at locations worldwide.



ACI also offers an all-access subscription to ACI University webinars and on-demand courses, and a subscription to New and Archived Symposium Papers which provides unlimited digital access to more than 6000 archived papers from Symposium Publications published since 1962, plus any new papers that are published.

The ACI Collection online subscription provides low-cost unlimited access to all ACI codes, specifications, and practices. All ACI individual members receive digital access to the Institute's practices, which contain 200+ guides and reports.

ACI's two technical journals—the *ACI Materials Journal* and the *ACI Structural Journal*—are published for professional and technical personnel in engineering, construction, design, research, manufacturing, and education.

ACI's monthly magazine *Concrete International* features articles contributed by industry respected authors on current and developing practices, news, answers to frequently asked questions about concrete design and construction practice, and more.

NEW **ACI 318-19** **BUILDING CODE REQUIREMENTS** **FOR STRUCTURAL CONCRETE** **EXPECTED IN** **JUNE 2019**



ACI Subsidiaries



Established in 1989, the ACI Foundation is a wholly owned and operated nonprofit subsidiary of the American Concrete Institute that promotes progress, innovation, and collaboration. The ACI Foundation relies on funding from the American Concrete Institute, ACI members, current partners, and new future partners to maximize industry impact.

Over the last year, the ACI Foundation has distributed 19 scholarships and fellowships to deserving students, funded eight new concrete research projects, and invested in initiatives to advance the implementation of new technology. With the help of donors, the ACI Foundation has made a positive impact on the industry. Learn more at www.acifoundation.org.



Formed in January 2018 as a subsidiary of ACI, AOE is the combination of the Creative Association Management and Constructive Communication, Inc., teams. The AOE team has decades of experience serving associations and companies in technical industries, specializing in association management, marketing, event planning, training, education, and public relations. Learn more at www.aoeteam.com.

“ACI transformed its membership program in 2018 with the creation of a new local member category, which makes connection to the concrete community even easier especially for our international members. Membership is now structured around digital online access to ACI’s guides and reports, while providing substantial discounts to add online access to ACI’s codes and specifications.”

Ronald G. Burg, P.E.,
ACI Executive Vice President

**\$15
MILLION**
**LEVERAGED THROUGH THE
ACI FOUNDATION
OVER ITS LIFETIME,
FOR CUTTING-EDGE
RESEARCH AND
IMPLEMENTING
CONCRETE
TECHNOLOGY**



Founded in 1904 with a headquarters in Farmington Hills, MI, USA, and a regional office in Dubai, UAE, the American Concrete Institute is a leading authority and resource worldwide for the development, dissemination, and adoption of its consensus-based standards, technical resources, educational and training programs, certification programs, and proven expertise for individuals and organizations involved in concrete design, construction, and materials, who share a commitment to pursuing the best use of concrete. ACI will provide leadership to ensure our customers are equipped to sustainably address the needs of a changing world.

ACI World Headquarters

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www.concrete.org