



American Concrete Institute

ACI – Stakeholder Engagement



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ACI's Vision

ACI envisions a future where everyone has the knowledge needed to use concrete effectively to meet the demands of a changing world.



ACI's Mission

ACI develops, disseminates, and advances the adoption of its consensus-based knowledge on concrete and its uses.



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Brief History of ACI

- 1904: Founded-St. Louis, MO-Nat. Ass. of Cement Users
- 1910: Published first building code
- 1913: Name changed to American Concrete Institute
- 1941: First 318 building code
- 1947: Technical Activities Committee created
- 1956: First convention held outside the U.S.
- 1958: First ACI Chapter
- 1967: First *Manual of Concrete Practice*
- 1980: Certification Committee created
- 2004: 100th Anniversary

ACI Headquarters, Michigan, USA



ACI is:

- A non-profit, technical and educational society dedicated to improving the design, construction, maintenance and repair of concrete structures
- One of the world's largest sources of concrete knowledge

ACI is NOT:

- A Trade or Promotional Association
- A Government Agency
- A University

In reality ACI is...



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ACI stakeholders are:

- Engineers
- Researchers
- Designers
- Professors
- Architects
- Consultants
- Materials Suppliers
- Code Officials
- Contractors
- Craftsmen
- Technicians
- Inspectors
- Trainers
- Students
- Lawyers
- Quality Controllers

Anyone interested in concrete



ACI International Stakeholders

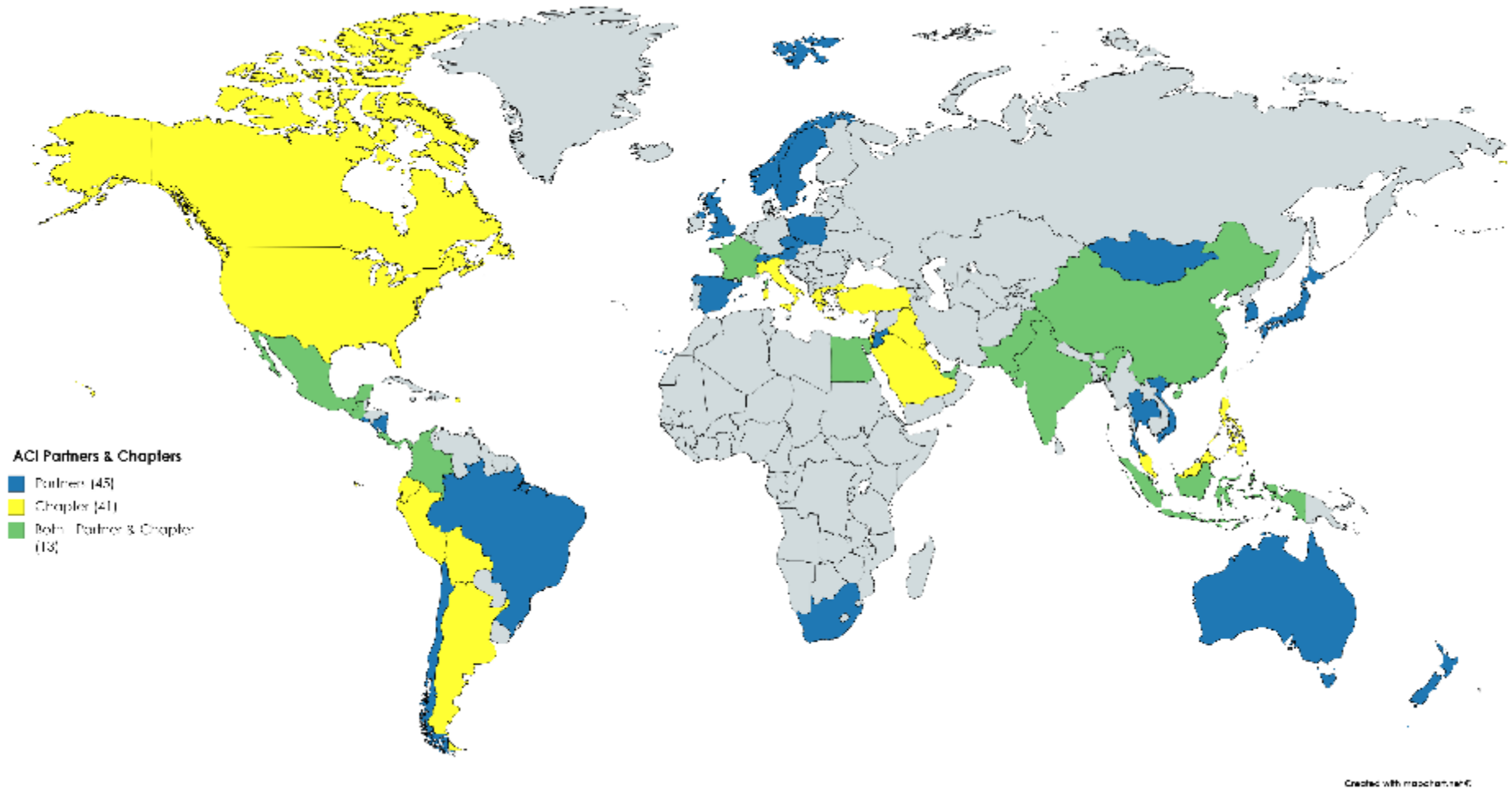
International Chapters & International Partners

- 41 ACI Chapters in 32 countries outside USA
- 45 International Partners in Asia, Europe, North and South America, Australia and Africa

Purpose: Increase collaboration and improve concrete construction by making technical expertise available through mutually agreed upon activities.



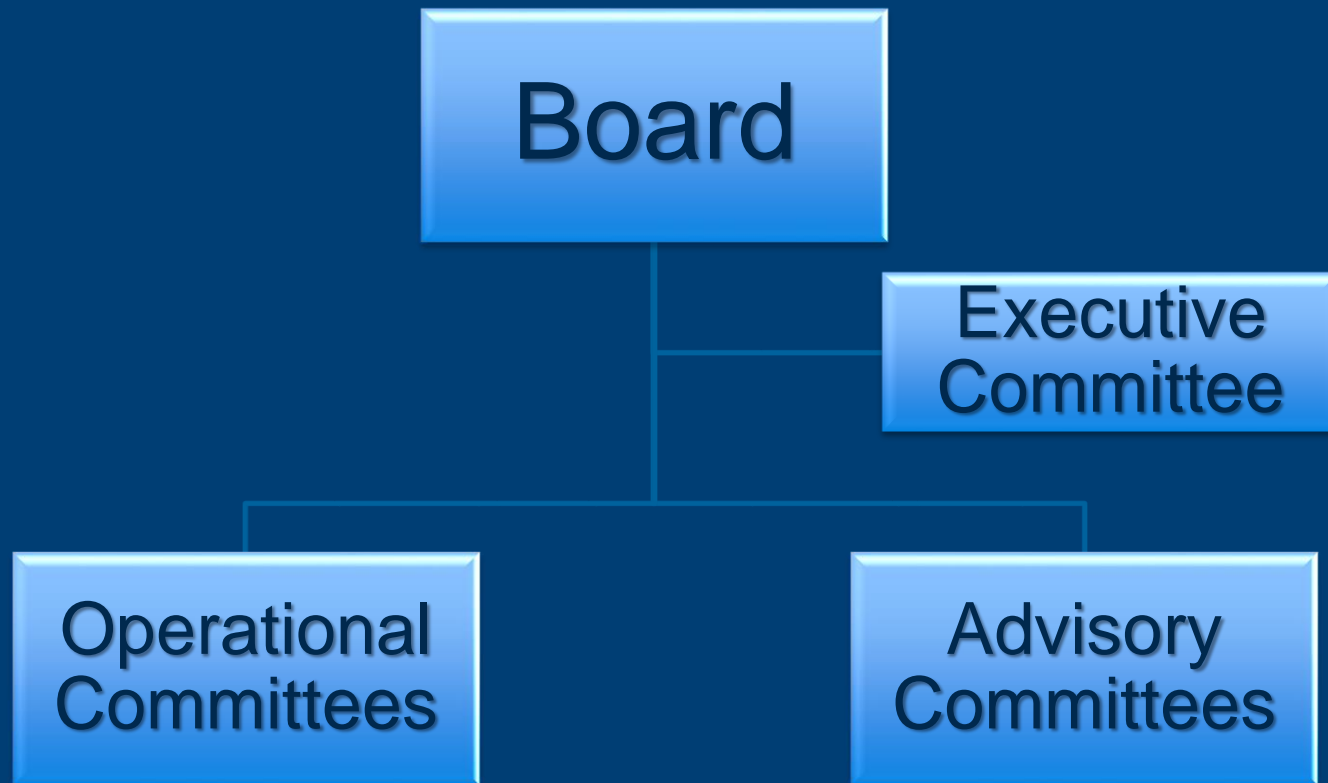
Distribution of ACI Partners and Chapters



Many Stakeholders Become ACI Members

- Approximately 20,000 members in 129 countries
- Approximately 14,500 additional Chapter Members
- 5,400 members outside North America
- Over 15,000 Student Members
- 1,000 Organizational Members
- 4,000 Active Committee Members

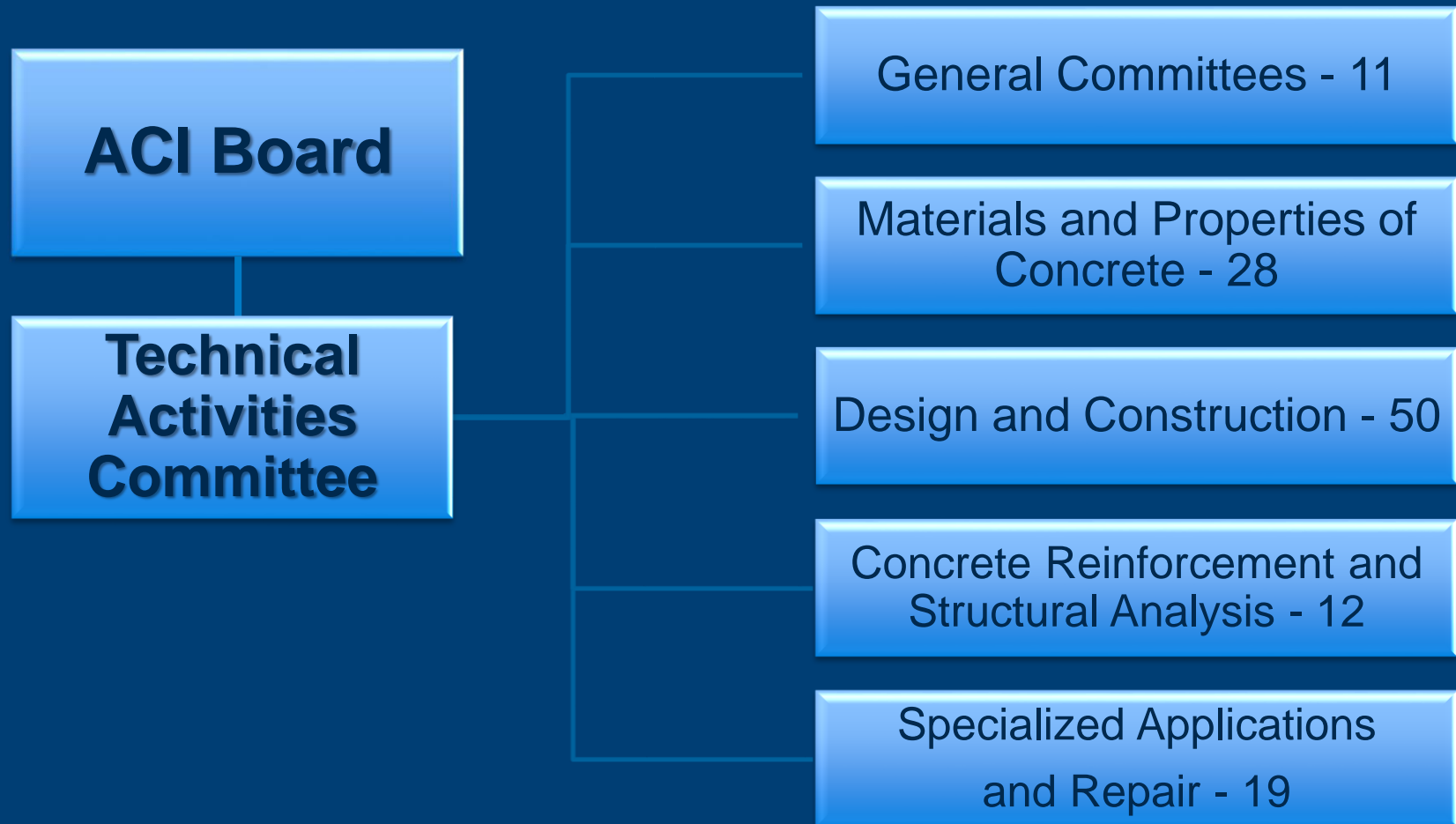
Committees of Stakeholders Share Knowledge



ACI Committees - Operational:

- Certification Programs Committee
- Chapter Activities Committee
- Codes & Standards Advocacy & Outreach
- Committee on Nominations
- Convention Committee
- Educational Activities Committee
- Standards Board
- Technical Activities Committee

Technical Committees (120 total)



ACI Technical Committees - Characteristics:

- Open committee membership
- Stakeholder balance/lack of dominance
- Coordination and harmonization of information
- Transparency of committee activities to public
- Consideration of views and objections
- Resolution through consensus process

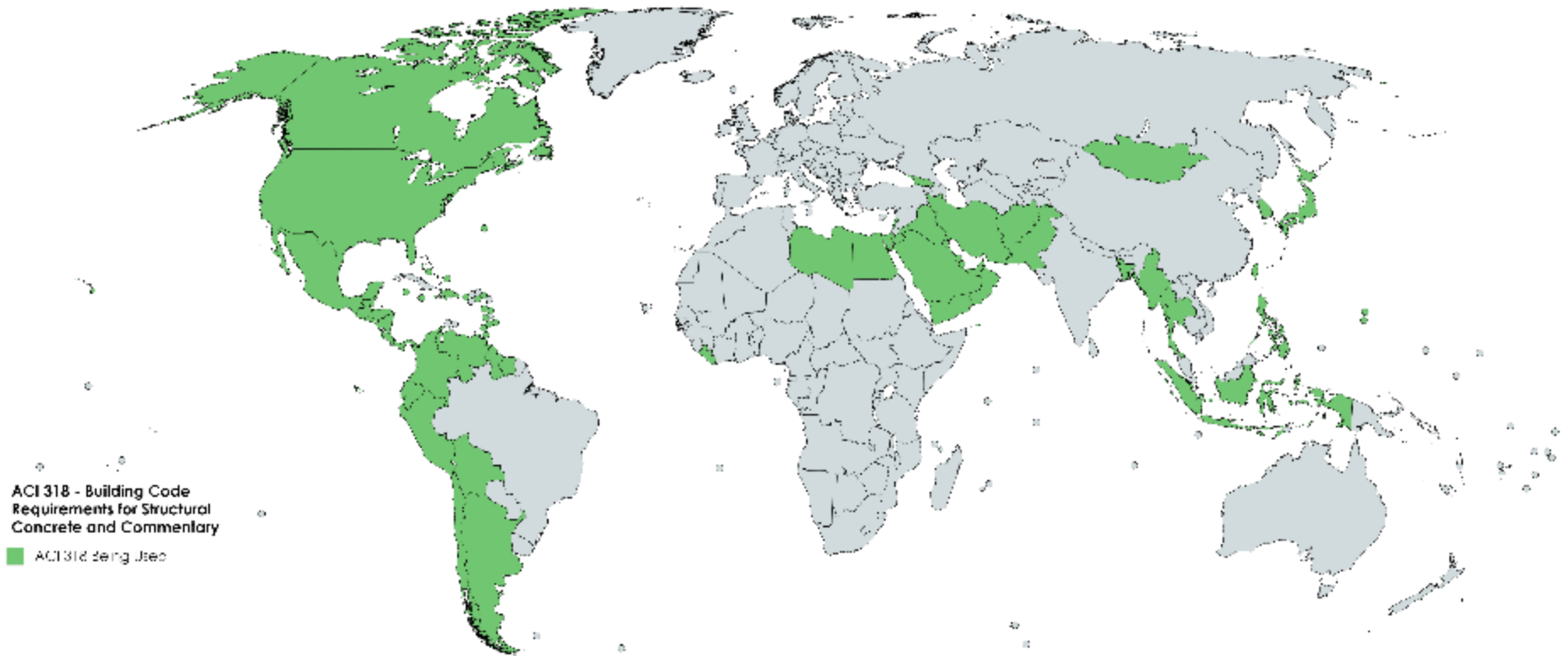
Standardization is the most rigorous consensus process used by ACI. It provides the widest input and highest overall quality assurance for a document.

More than 400 technical documents, including:

- Codes (ACI 318 Building Code)
- Standards/Specifications
- Reports and Guides
- References
- “The ACI Collection” - contains all of the ACI documents you need to answer questions on code requirements, specifications, tolerances, concrete proportions, construction methods, evaluations of test results, and many more topics.



ACI 318 - Used in 65 Countries (and Growing)



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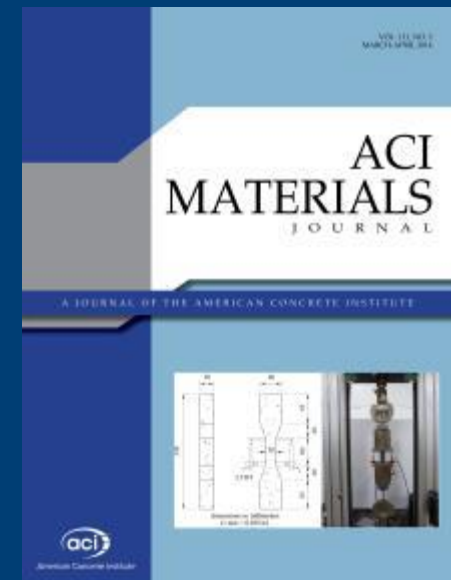
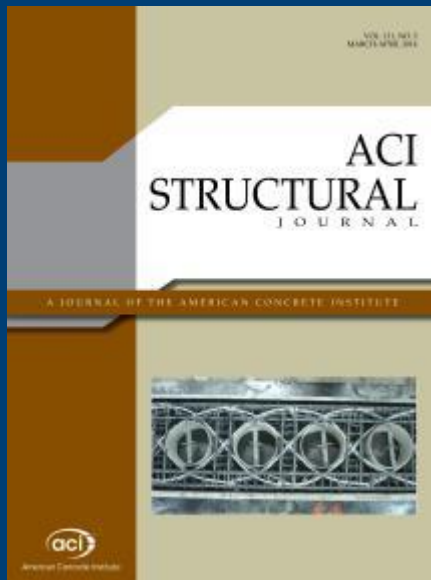
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Other Representative Committee Documents:

- 121 - Quality Assurance Systems for Concrete
- 201 - Durability of Concrete
- 207 - Mass Concrete
- 211 - Proportioning Concrete Mixtures
- 301 - Specifications for Concrete
- 304 - Measuring, Mixing, Transporting & Placing Concrete
- 305 - Hot Weather Concreting
- 306 - Cold Weather Concreting
- 350 - Environmental Engineering Concrete Structures

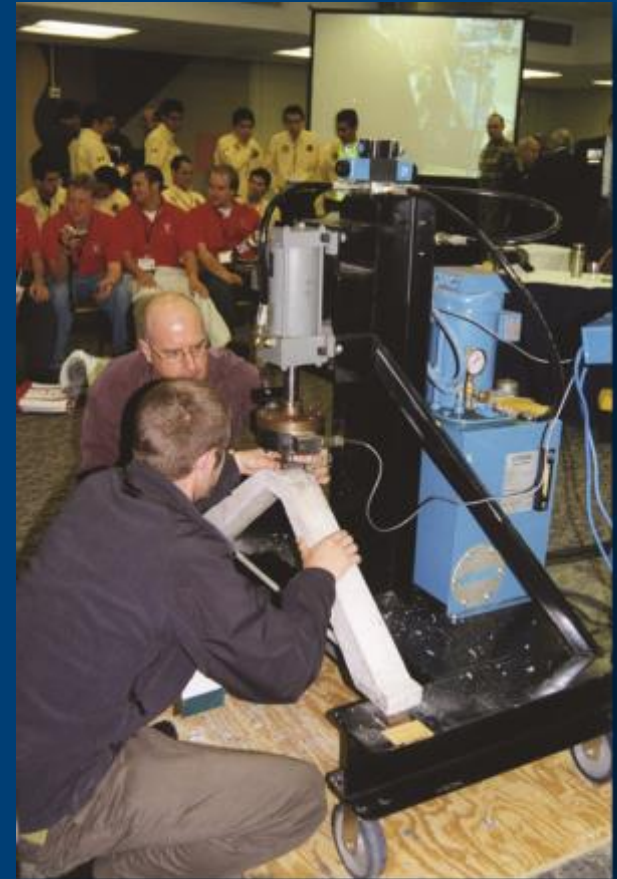
Stakeholders Contribute to ACI Periodicals:

- *ACI Structural Journal*
- *Concrete International (CI)*
- *ACI Materials Journal*



ACI Educational Support:

- ACI University - Over 150 online learning modules
- Continuing Education:
 - Seminars (example 318-14)
 - Publications
 - Online learning / Webinars
 - Convention technical sessions
 - Training videos
- Student competitions
- Scholarships/Fellowships
- Free online education presentations



ACI Educational “Certificate Programs”:

- Concrete Fundamentals – 12 courses
- Repair Application Procedures – 10 courses
- Anchorage Design – 10 courses



ACI Certification:

- Largest certifying body in the concrete industry
- Over 30,000 exams conducted each year
- Over 555,000 exams administered to date
- Certified individuals residing in 67 countries
- Certification programs in English, Spanish, French, and Chinese
- Over 117,000 Active Certifications
- Verify certifications on ACI website



ACI Certification Programs (24 and growing):

- Field Technician
- Laboratory Technician (3)
- Aggregate/Soils Technician (3)
- Masonry Technician (2)
- Cement Physical Tester
- Construction Inspector
- Transportation Inspector
- Residential Foundation Technician
- Flatwork Finisher
- Commercial/Industrial Finisher
- Tilt-Up Supervisor
- Shotcrete Nozzleman (2)
- Adhesive Anchor Installer
- Anchor Installation Inspector
- Quality Technical Manager



ACI Conventions:

- Spring and fall conventions
- Over 300 committee meetings
- 40 technical sessions
- Student competitions
- 1800 to 2200 attendees from over 35 countries
- 2018 Fall Convention
 - October 14-18, 2018
 - Rio All-Suites Hotel & Casino
 - Las Vegas, NV



Examples of ACI Stakeholder Engagement:

- ACI 562-16 - Concrete Repair Code started by ACI members in concrete repair industry.
- ACI 318-14 customized for local conditions in Saudi Arabia by Saudi Arabian professors.
- Dubai Municipality suggests creating a new ACI committee on 3D printing of concrete.
- IAC began ACI Ambassador Speaker Program to fund speakers to best international concrete conferences.



Examples of ACI Stakeholder Engagement:

- ACI Indonesia Chapter translating 318-14 into Bahasa Indonesian for government to use in code adoption.
- ACI / CIDC joint certification program developed to improve quality of concrete in India.
- Vietnam code adoption project started by Vietnamese professor who went to university in the USA.
- All stakeholders around the world are welcome to participate in the ACI development of concrete knowledge.



Summary:



ACI Stakeholder Engagement

- The key ingredient to creating timely, relevant and practical information to help ACI achieve its vision of “a future where everyone has the knowledge needed to use concrete effectively to meet the demands of a changing world.”



Thank you

For the most up-to-date information please
visit the American Concrete Institute at:
www.concrete.org



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