



American Concrete Institute

Always advancing

ACI 318-19 Seminar

Building Code Requirements for Structural Concrete

TOPICS COVERED

- Newly included and updated provisions related to shotcrete design and construction.
- Provisions governing nonlinear response history analysis for performance-based seismic design.
- Revised seismic design and detailing requirements for structural walls.
- Reduced column tie spacings for intermediate and special moment frames.
- Consolidation and updating of one-way and two-way shear provisions.
- Changes to reinforcement and penetration requirements for two-way slabs.
- Modifications to requirements for prestressed concrete detailing and design.
- Simplification of shrinkage and temperature reinforcement provisions.
- Use of alternative cementitious materials, crushed concrete, and recycled aggregate.

APRIL 16, 2020

8:00 am – 5:00 pm
Renaissance St. Louis
Airport Hotel
9801 Natural Bridge Rd.
St. Louis, MO 63134

PRICE:

\$595 ACI Member
\$695 Non-member
\$150 Student

BOOKS INCLUDED

- ACI 318-19: Building Code Requirements for Structural Concrete and Commentary (choice of hard copy or pdf)
- Printed color copy speaker/lecture notes

Register: www.concrete.org/education/publicseminars

Speakers



Lawrence C. Novak, SE, F.SEI, F.ACI, CERT, LEED AP, is the Chief Structural Engineer for the International Code Council. Prior, he was the Senior Director for Structural Engineering and Codes for the Portland Cement Association and he was an Associate Partner with Skidmore, Owings & Merrill where he had the opportunity to be lead structural engineer for the Burj Khalifa, the world's tallest building. Novak is also an adjunct Professor at Northwestern University where he teaches advanced structural design to the next generation of engineers. He serves on several technical committees, including the ACI 318 Code committee and the ASCE 7 committee on Building Loads. He has served as Director on the governing board for organizations including SEAIO, TCA and the Illinois Engineering Hall of Fame. Novak was selected as the "Centennial Lecturer" in engineering and was named the "Citizen Engineer of the Year" by the Illinois Chapter of ASCE. In 2010, he was selected as the ACI "Educational Speaker of the Year", in 2017 he was bestowed the ACI "Educational Award" for his "unique ability to convey concrete knowledge and inspire others to greater heights", in 2018 he was presented with the SEAIO life-time "Service Award" for his contributions to the industry and in 2019 he was part of the team honored with the "nVent Award for Code Simplification and Improvement". In his free time, Novak utilizes exciting interactive demonstrations to bring structural concepts to life with the goal to inspire the next generation of young minds to study math, science, and engineering.



Robert M. Howell joined ACI as Professional Development Program Engineer in 2014. Previously he was a Lead Structural Engineer at IBI Group/Giffels LLC formerly Giffels Associates, Inc. Howell has 26 years of structural design experience in health care, industrial, research, power plant, educational, and commercial facilities. He also has 7 years of experience as an Owner's Representative Project Structural Engineer with GM Worldwide Facilities Group. Howell received his BS in civil engineering from Wayne State University and his MBA in supply chain management from Michigan State University. Howell is a licensed professional engineer in the state of Michigan and is a LEED Green Associate.