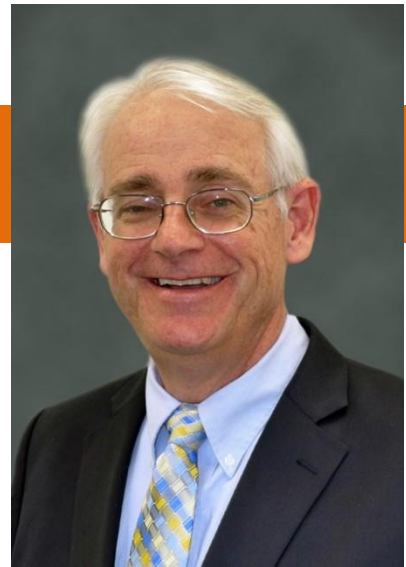




## Chapter Technical Talks



### CI Reference Specifications: Unraveling Concrete Specs

The art of writing good concrete specifications can be a daunting task. ACI reference specifications are designed to help engineers easily and consistently write quality concrete specifications and benefit contractors through a consistent standard of practice. The most common reference specification for concrete construction is ACI 301, "Specifications for Structural Concrete." This presentation will cover how to properly use reference specifications to enhance project specifications and minimize the amount of specification editing required for a project. Significant changes and updates to ACI 301 that help specifiers and contractors place more durable and resilient concrete structures will also be presented. These changes not only address some new issues, such as alkali-silica reactivity, but also coordinate ACI 301-16 with the requirement of ACI 318-14. Topics covered in this presentation include:

- o What are ACI specifications,
- o Common features of ACI specifications, using ACI 301,
- o Summary of the ACI 301 checklists, and
- o Important upgrades in ACI 301-16

**SCHEDULE:** 5:30 pm

**DATE:** Thursday, February 22, 2018

**VENUE:** Delafield Brewhaus  
3832 Hillside Dr.  
Delafield, WI 53018

**Robert 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.