

## Troubleshooting Concrete Floor Problems

ONE DAY, 7.5 HOURS

Learn to avoid or solve common problems

### Program Content:

#### ■ Moisture-Related Problems

Symptoms: Moisture-sensitive flooring failures and air quality issues (mold)  
Flooring failure causes (moisture and high pH)  
Moisture sources in concrete  
External moisture sources  
Testing for moisture  
Avoiding moisture problems  
Dealing with moisture problems

#### ■ Slab Curling

Design for reduced curling  
Evaluating curling problems  
Remediating curled slabs

#### ■ Tolerance Issues

Division 3 versus Division 9 floor flatness tolerances  
Slab-on-ground tolerances  
Elevated slab tolerances  
Low-spots (birdbaths)

#### ■ Delaminations and Blisters

Design and construction factors related to surface delaminations  
Balancing risk between freezing-and-thawing damage and delamination  
Minimizing the probability of delaminations with job site controls

### Who should attend:

Contractors, design engineers, specifiers, government agencies, and material suppliers

### Instructors:

Jerry A. Holland and W. Calvin McCall.

### Seminar handouts:

Industry related documents—available only from ACI



American Concrete Institute

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