

Presents

Concrete Slabs: Design, Construction, Troubleshooting, and Floor Coverings

A real-world technical event for practicing architects, engineers, contractors, inspectors, testing agencies, and owners

Dec. 3, 2021

McKimmon Conference and Training Center, NC State University, Raleigh, NC

Why You Should Attend

Concrete slabs are one of the most used construction elements in residential, commercial, institutional, and industrial projects. Despite their popularity and intensive use, concrete slabs are commonly at the center of most in-service problems, deficiencies, and disputes.

In this seminar, you will have the opportunity to review current design principles, construction practices, troubleshooting methods, and testing actions necessary to obtain and deliver a quality and durable concrete slab. You will also have the opportunity to learn the state-of-the-practice methods to install new floor coverings over concrete, and to troubleshoot and remediate failing concrete floor coverings.

Attend and You will Learn About

- Fundamentals of concrete technology and testing for slab construction
- Design principles for non-reinforced and reinforced concrete slabs
- Effects of concrete drying and curling in construction
- Principles of flatness and levelness
- Proper jointing and detailing
- Installation of vapor barrier and reinforcement
- Construction practices and quality control
- Troubleshooting observed concrete distresses
- Typical distresses observed on floor coverings
- Recommended evaluation, testing, and repair of failing concrete coverings

Attend and You Will Receive

- Valuable program and reference material
- Opportunity to interact with experienced professionals

- 7.0 Professional Development Hours (PDH's)
- 7.0 Learning Units for the American Institute of Architects (AIA)
- A networking luncheon
- A certificate of attendance

Who Should Attend

- Facility owners
- Designers/specifiers (PEs, AIAs)
- General contractors (GCs)
- Specialty contractors
- Manufacturers
- Testing agencies

Your Instructors

Roberto Nuñez, PE, MBA, Fellow ACI
Department of Civil, Construction, and Environmental Engineering, NC State University

Andrew Rynhart

CEO
Tramex Moisture Meters

William Thornton

Technical Manager North America
Tarkett Indoor Sports

Registration Fee

- **\$435** for a single participant
- **\$385** for each participant (for two or more participants from the same organization)

Sponsors

- Flooring Forensics, Inc.
- The Flooring Educational Guild/Tucks Floor Inspection Service
- Tarkett Sports Indoor
- Tramex Limited

Register today!

For more information or to register, go to go.ncsu.edu/concreteflooring or call the Office of Professional Development at **919.515.2261**.