

Looking for Quality PDHs that are North Carolina- specific and Relevant to Your Area of Practice?

There's a Class for That.

The always popular Raleigh Seminars are back this year...and they're better than ever! The goal of this year's conference committee was to create a unique conference that provided something for everyone. The end result is a comprehensive conference that allows you to choose from a variety of topics arranged in 9 tracks spread over three days. From technical topics, to business, to management - there really is a class for that!

No other conference in the state provides that perfect combination of technical and professional PDH topics. Only at the PENC Raleigh Seminars can you brush up on your business skills before lunch and end the day with an update on the latest news in hydrofracking in NC! These seminars will provide you with a unique opportunity to develop more than just your technical knowledge - you'll walk away an even better engineering professional.

You'll also have the opportunity to enjoy valuable networking opportunities with engineers from all disciplines and practice areas during lunch or breaks. We also have a special social event planned at Sparians on Thursday night after the conference.

As you look over the schedule, keep in mind that every day is different! To help you navigate the program easily, we've indicated which track each course belongs to with the following "apps:"



Energy



Construction



Transportation



Leadership



Technology



Environment



Project Management

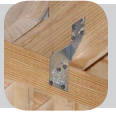


Business



Emergency Management

Schedule at a Glance



Registration is from 7:45 am - 8:30 am each morning. Those attending half day sessions in the afternoon can check in from 11:30 am - 12:00 pm if eating lunch or before the first afternoon session from 1:00 pm - 1:30 pm.

Tuesday, December 13

8:30 am - 10:00 am	GENERAL SESSION Engineer Your Way To Success	<i>Anthony Fasano, PE Best Selling Author</i>
10:30 am - 12:00 noon	BREAKOUT SESSIONS How to Run A Productive Business Meeting NC Water Warn Environmental Regulatory Updates	<i>Jan Pridgen, NCSU Industrial Extension Services Michael Richardson, Cape Fear Water Utility Authority NCDENR</i>
12:00 pm - 1:30 pm	Learning Infrastructure Lessons in Unlikely Places	<i>Mark McIntire, PE Brown and Caldwell</i>
1:30 pm - 3:00 pm	BREAKOUT SESSIONS Effective Problem Solving and Root Cause Analysis Measuring Strutral Stresses after Natural Disaster Recent Seismic Activity and What This Means for Engineering	<i>Jan Pridgen, NCSU Industrial Extension Services Dr. Kara Peters, NCSU Dr. Kenneth Taylor, State Geologist</i>
3:30 pm - 5:00 pm	BREAKOUT SESSIONS Contracts that Protect You and Your Business Hurricane Disaster Preparedness- Structural Assessments Lessons Learned from BP and the Future of Offshore Drilling in NC	<i>Doug Jeremiah, PE, Conner Gwyn Schenck, PLLC John Gerber, Dept. of Emergency Mgmt. Dr. Kenneth Taylor, State Geologist</i>

Professional Development Credit

Each of these seminars provides professional development activity that may be used to satisfy continuing professional competency (CPC) requirements for professional engineers. While Professional Engineers of North Carolina (PENC) is a Board approved sponsor of professional development activities, it is the responsibility of each engineer to determine whether a seminar provides that individual with appropriate continuing education to meet Board requirements. PENC will provide each attendee with documentation of their participation in each seminar.

Schedule at a Glance



Wednesday, December 14

8:30 am - 10:00 am

GENERAL SESSION

Social Media-Getting Big Results for Your Business

*Brian Carter,
Best Selling Author*

10:30 am - 12:00 pm

NC's Bridge Program

*John Nance, PE,
NCDOT*

Green Streets

*Hunter Freeman, PE,
Withers and Ravenel*

Electronic Certification for Design Professionals

*Jim Bartl, Director of
Code Enforcement,
Mecklenburg County*

12:00 pm - 1:30 pm

Economic Update

*Dr. Michael Walden
Economist, NC State*

1:30 pm - 3:00 pm

BREAKOUT SESSIONS

Rebuilding NC 12

NCDOT

Building Commissioning and Designing
Sustainable Systems

*Tom Foster, PE
Commission Worcks*

Hog Farms and Energy-
The Engineers That Made It Work

*Gus Simmons, PE,
Cavanaugh &
Associates*

3:30 pm - 5:00 pm

BREAKOUT SESSIONS

Transportation Legislative Updates,
Transportation Funding, and the Gas Tax

*Burt Tasaico, PE
Beau Memory,
Lobbyist, NCDOT*

Permeable Pavement: Overview of Use &
Advances in Recent Research

*Dr. Bill Hunt, NC
State, Stormwater
Research*

GIS, GPS, and Mobile Technologies-
How to Leverage Data

*Eddie Staley,
Director
of GIS Services,
Withers and
Ravenel*

DIRECTIONS:

The McKimmon Center address is 1101 Gorman Street Campus Box 7401 Raleigh, NC 27606 Raleigh, NC 27695-7401

From I-40 traveling east from airport. Take Gorman Str. Exit #295. Turn left onto Gorman Str. Go approximately 1 mile. McKimmon Center is on the right past Avent Ferry Rd., before Western Blvd. From I-40 traveling west. Take Gorman Str. Exit #295. Turn right onto Gorman Str. Go approximately 1 mile. McKimmon Center is on the right past Avent Ferry Rd., before Western Blvd. Visitors are asked to park in designated visitor parking spaces in order to avoid ticketing.

Schedule at a Glance



Thursday, December 15

8:30 am - 10:00 am

BREAKOUT SESSIONS

Solar Thermal Engineering
(Part 1)

*Charles McClure,
Holocene, LLC*

Project Management

*Howard Birnberg,
Association for Project
Managers*

Environmental Impacts of Shale Gas Extraction

*Professor Avner
Vengosh, Nicholas
School for the
Environment,
Duke University*

10:30 am - 12:00 noon

BREAKOUT SESSIONS

Solar Thermal Engineering
(Part 2)

*Charles McClure,
Holocene, LLC*

Project Management

*Howard Birnberg,
Association for Project
Managers*

Potential Impact and Opportunities for Shale Gas
Extraction

*Stanford Baird,
K&L Gates and
Piedmont Natural Gas,
Professor Avner
Vengosh, Nicholas
School for the
Environment,
Duke University*

12:00 noon - 1:30 pm

How Personal Biases Influence Our Decision Making

*Dr. Stephen Barr,
NCSU*

1:30 pm - 3:00 pm

BREAKOUT SESSIONS

Engaging Excellence

*Gail Ostrishko,
The HR Group, Inc.*

Project Management

*Howard Birnberg,
Association for Project
Managers*

Meeting NC's Energy Needs-Energy Portfolio

*Harold James, PE,
Progress Energy*

3:30 pm - 5:00 pm

BREAKOUT SESSIONS

Time Mastery Skills

*Graham Dail,
The HR Group, Inc.*

Project Management

*Howard Birnberg,
Association for Project
Managers*

FREEDM Center-Renewable Energy for a
Sustainable Future

*Dr. Mesut Hasan,
NC State University*