Friday February 16

SCHEDULE OF EVENTS

7:00 - 8:30 AM  Registration & Continental Breakfast

8:30 - 8:45 AM  Welcome and brief opening remarks from NABIE President Mark Waldman

8:45 - 10:00 AM  Michael Aitken, P.E. – President of NSPE - Keynote Address
The state of NSPE and collaboration between NSPE and NABIE in the past and in the future.

10:00 - 10:15 AM  Break

10:15 - 11:45 AM  Steve Smith – Leica Geosystems – Leica Digital Imaging
This presentation by Mr. Steve Smith is an introduction to laser scanning technology and the uses of the Leica BLK360 device. Digital laser scanning can be a valuable tool to building inspection engineers. It can be used to capture in-situ conditions with great precision and accuracy for documentation purposes and for later post-processing to monitor building movement or prepare digital drawings.
This short course in laser scanning will open your eyes to the LEICA technology already in use and the practical applications for engineering professionals involved in building investigations and problem solving.

11:45 - 12:45 PM  Lunch

12:45 - 2:30 PM  Andy Severy – Simpson Strong Tie –
Light Framed Wood Deck Requirements for the 2015 IRC
Wood-framed residential decks are very common throughout the United States. They are a part of the structure and thus governed by the residential code and must be properly constructed to resist forces from both occupants and nature.
These forces must be transferred through structural elements and to the foundation completing the continuous load path required in Chapter 3 of the International Residential Code. This class will take a look at some of the core code requirements for deck framing construction and inspection

2:30 - 2:45 PM  Break

2:45 - 4:30 PM  Patrick Caldwell – ArcSite Software
ArcSite is a product, built from the ground up as a portable field personnel tool. It allows for precise and comprehensive collection and presentation of field conditions in an easy to use mobile app.

Engineering Ethics

A code of professional ethics results when a field organizes itself into a profession. The resulting code is central to advising those professionals how to conduct themselves, to judge their conduct and to understand the profession.

As a member of the National Academy of Building Inspection Engineers (NABIE), your clients obtain your services based upon your experience, professionalism and truthful accounting of the properties you inspect. Your professional ethics continue to build this trust between you and your client. Through the review of several NSPE Board of Ethical Review case studies, we will discuss and explore your ethical responsibility as P.E.
SCHEDULE OF EVENTS

Saturday February 17

7:00 - 8:15 AM Order of the Engineer Induction Ceremony & Breakfast
The Order of the Engineer was initiated in the United States to foster a spirit of pride and responsibility in the engineering professional, to bridge the gap between training and experience, and to present to the public a visible symbol identifying the engineer.

7:00 - 8:30 AM Continental Breakfast

8:30 - 10:15 AM Bill Light – Sika – Concrete Repair & Protection: A Comprehensive Approach
The program focuses on developing a comprehensive concrete repair and protection strategy that not only addresses current problems, but the root cause as well.

10:15 - 10:30 AM Break

This course will cover what it means for a P.E. conducting ground subsidence investigations, including a review of Florida Geological Survey Special Publication No.57. Professional expertise is needed for a complete and comprehensive assessment of any structure affected by subsidence; sinkholes pose a unique challenge.

12:15 - 1:15 PM Lunch

1:15 - 2:45 PM David Harro – G3 Group – Honorary Theodore Simon Lecturer - Soil Mechanics 101
Mr. Harro will be re-visiting some of the fundamentals of soil structure interactions and geotechnical engineering as part of his lecture to help building inspection engineering professionals refresh their understanding of the basics of soil testing, classification, and behavioral mechanics especially as it concerns consolidation, settlement, elasticity, shrinkage, swelling and slope stability.

2:45 - 3:00 PM Break

3:00 - 4:45 PM Nate Lee – Owens Corning Anatomy of a Shingle
Anatomy of a Shingle
Asphalt Shingle 101
Proper Shingle Install
Components of the Roof System
Online/Apps That Help Understand the Roofing System

4:45 - 5:00 PM Break

5:00 - 5:30 PM Update from the Board of Directors

Saturday Evening

6:30 PM Hospitality

7:30 PM Dinner, Presentations & Entertainment

Speakers & Presenters

David Harro
Mr. Harro is a Professional Geologist (P.G.) and Licensed Drilling Contractor in the States of Florida and Tennessee for the G3 Group. He has performed investigations for engineering, sinkholes and environmental projects over the last 20 years.

Patrick Caldwell
ArcSite Software
Mr. Caldwell is currently Vice President of Customer Success at ArcTuition, makers of ArcSite. He has over 2 decades experience in managing and creating meaningful and usable software across a wide variety of platforms and disciplines.

William (Bill) Light
Mr. Light has been involved in the concrete construction industry nationally for the last 40 years. Bill’s career is centered in the manufacturing and distribution fields. Bill's experience includes primary concrete related materials, chemical admixtures, reactive resins, waterproofing materials and FRP composites for concrete production and preservation of concrete structures.

The Buckhorn Saloon and Museum is rumored to be the bar where Pancho Villa planned the 1910 Mexican Revolution.
SCHEDULE OF EVENTS

Sunday February 18

7:00 - 8:30 AM  Continental Breakfast

8:30 - 10:15 AM  Robert Roop – Lockatong Engineers
The skills engineers use to solve other’s problems can be applied to prepare for disaster occurring to a professional practice. This case study examines how an engineering office prepared for and executed a successful recovery from a fire that completely destroyed an office and all its contents.
Preparations included inventory records, electronic file backup, good relationships with critical vendors, off-site records storage and adequate insurance.

10:15 - 10:30 AM  Break

10:30 - 12:15 PM  Continental Breakfast

12:15 - 12:45 PM  Closing Remarks

Robert N. Roop
P.E., CBIE

Mr. Roop is President responsible for operations and execution of all engineering projects at Lockatong Engineering, Inc. The focus of the firm is comprehensive investigations of site, mechanical, electrical, structural, roofing, life safety systems and environmental conditions of property and buildings.

Mr. Roop has over 41 years of experience in facility and environmental engineering. His technical expertise and experience includes investigations, technical feasibility studies, prototype/pilot plant design and evaluation, final design and installation of processes and commercialization of product.

Nate Lee
Regional Contractor Sales Leader
Owens Corning Roofing & Asphalt

Mr. Lee has 15+ Years of Commercial and Residential Roofing Experience in Sales, Service, and Operations and worked for 3 of the top 5 Roofing Contractors in the USA.

Currently a Sales Leader for Owens Corning Roofing and Asphalt with a diverse history of awards ranging from Trailblazer for customer innovation to Presidents Club for sales excellence. 1 of 4 Contractor Sales Leaders in the USA in charge of contractor training that includes install, in-home sales, and product knowledge.

Steven W. Smith
DISTO Divisional Manager
USA/Canada at Leica Geosystems

Mr. Smith is responsible for the sales, marketing and channel for the BLK360, Leica Geosystem’s transformational product.

Stephen is working with BLK 360 customers in revolutionizing the construction industry by democratizing 3D point technology, and the high digital data of buildings for B.I.M. and other applications.

San Antonio’s Tower of the Americas is taller than the famous Seattle Space Needle, making it the perfect place to get a panoramic view of the city.

The bell at St. Mark’s Episcopal Church is made of iron scrap from cannons used during the Battle of the Alamo.

Longhorn cattle can be traced back to San Antonio’s Spanish mission settlers who brought the cattle with them in 1690.