

ncHEA

nc healthcare engineers association

SPRING SEMINAR

MARCH 13-15, 2019

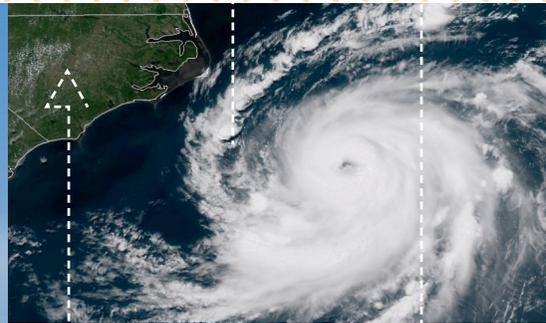
PINEHURST RESORT | PINEHURST, NC



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RYAN JENKINS

NEXT GENERATION SPEAKER





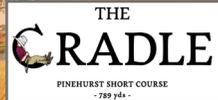
LARRY HOLDER

Duke Regional | NCEHA 2019 President | nchea.president@gmail.com

On behalf of the NCEHA Board, as President, it is my honor to invite you to the 2019 Spring Seminar at the beautiful Pinehurst Resort located in Pinehurst, North Carolina.

Healthcare Facilities Managers consider NCEHA to be one of the best and most affordable opportunities for learning and sharing in North Carolina. Because the conference focuses on the unique opportunities and problems that we face, this event has earned a loyal following of participants. NCEHA delivers the best value in professional development for facility managers in NCEHA.

We also like to give back to the community where our events are held. This year we plan to have a little fun while we help the Moore County Food Bank replenish their food stock after the hurricane aftermath last year. We are working out the details of a fund raiser round at the Pinehurst "Cradle" course. A quick round on the famous course, no experience needed!



ARTHUR BLUE

Moses Cone | NCEHA 2019 Vendor Chair
nchea.vendorchair@gmail.com

Thank you to all of our NCEHA SPRING SEMINAR SPONSORS!

We could not provide the level of education at an affordable price to our membership without your help.

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NEXT GENERATION LEADERSHIP

ELEVATE Your Skills and Workforce for the Future

By 2025, 75% of the global workforce will be Millennials and Generation Z. As next-generation employees and technology usher in a new age of work, the ways of working and leading in the past become liabilities.

The new age of work requires a new age of leading and working. Future-proof your organization and leadership skills. Ryan delivers innovative insights into what's next for work and how organizations and professionals can find sustainable success in a disruptive world.

For organizations and leaders to succeed in the new world of work, a new approach to work and leadership is needed. An approach of listening, inclusion, agility, and coaching that can turn blind spots into opportunities.

Ryan shares how to unbound yourself from the assumptions and prevailing models that are likely holding your organization back. This program covers the emerging trends that are impacting the future of work and how leaders and organizations can adjust to capitalize on the trends. competitive advantage, according to Deloitte's Global Human Capital Trends research. And 69 percent of executives rate diversity and inclusion an important issue (up from 59 percent in 2014).

Today's leading organizations and forward-thinking leaders understand that diversity and inclusion is much more than a buzzword, it's a business strategy capable of driving company performance, enhancing innovation, and engaging and retaining employees.

Inclusive leaders embrace, value, and provide a sense of belonging to all people. Inclusive leadership provides the competitive advantage necessary to outperform in today's highly diverse and disruption-prone workplace and marketplace.

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RYAN JENKINS

NEXT GENERATION SPEAKER



PHILIP A. JOHNSON

Well-Spring, A Life Plan Community
NCHEA 2019 Program Chair
nchea.programchair@gmail.com

If you have questions or need assistance with the PROGRAM please contact Philip Johnson.



EDUCATION SESSIONS

COMPLYING with **LOCKING** ARRANGEMENT REQUIREMENTS of the 2012 LIFE SAFETY CODE® and the NORTH CAROLINA STATE BUILDING CODE

Lennon Peake, P.E. Koffel Associates

Design and installation of compliant locking arrangements has long posed a challenge to architects and facility managers given the divergent goals of safety and security. Even when a security arrangement is designed properly, it may not be installed properly in the field, leaving the facility potentially exposed to major citations during accreditation and licensure surveys. Remediation of existing security arrangements is costly and burdensome to facilities. This session will detail the requirements of the 2012 Life Safety Code and North Carolina State Building Code and the differences between the requirements contained in the two documents. The session will also discuss in detail the advantages, disadvantages and appropriateness of the different types of locking arrangements as well as the most common design/installation mistakes associated with each type of arrangement.

The locking arrangement requirements have changed substantially since the 2000 Life Safety Code which was recently enforced by the Center for Medicare/Medicaid Services. For example, it is no longer



EDUCATION SESSIONS

acceptable to lock emergency departments or maternity units for the clinical needs of the patient and the 2012 Life Safety Code contains new requirements for the locking of units where the patient's special needs require specialized protective measure for their safety.

Until recently the International Building Code did not permit many types of locking arrangements in health care occupancies. Due in part to the ASHE code initiative started in 2011 to align the requirements of the Life Safety Code and International Building Code, the locking arrangement requirements between the two codes are much more similar today.

In many cases the Codes no longer require a security system which releases upon fire alarm activation to release upon the activation of the fire alarm manual pull station. This is a beneficial change which will make it more difficult to overcome the security measures installed to protect patients in hospitals which will be included in the session.

The requirements of the 2012 Life Safety Code provide more options to building designers and owners in most cases, however locking arrangement requirements has become more restrictive in certain instances and the session will detail the changes resulting from the Center for Medicare/Medicaid Services adoption of the Life Safety Code 2012 edition. In addition, in some cases, the North Carolina State Building Code may contain more restrictive requirements, which will be explored in the session.

The specific locking arrangements which will be detailed in the session include the following:

- Delayed-Egress Locking Systems
- Access-Controlled Egress Door Assemblies
- Elevator Lobby Exit Access Door Assembly Locking
- Electrically Controlled Egress Door Assemblies
- Locking for the clinical needs of patient
- Locking for the security needs of patient

Koffel Associates, Inc. is an independent fire protection engineering and code consulting firm established in Maryland in 1986, specializing in a broad range of fire protection engineering design and code consulting services, locally, nationally and internationally.

Lennon Peake, P.E.: Mr. Peake is a Director with Koffel Associates and has more than 15 years of experience as a fire protection engineer. He has a Bachelor's in and a Master's degree in Fire Protection Engineering and a Bachelor's in Mechanical Engineering and is a registered Fire Protection Engineer in Maryland, California, Pennsylvania, and New York. He is experienced in the application of government and national fire protection and life safety standards to existing and new facilities. His work experience includes plan review, survey, and analysis to evaluate compliance with NFPA 101®, Federal, and local building code criteria. He oversees many life safety assessment projects, in addition to managing a staff of ten engineers.

Elizabeth Keller: Ms. Keller is a Fire Protection Engineer with Koffel Associates and has more than 4 years of fire protection engineering experience. She has both a B.S. and an M.S. degree in Fire Protection Engineering, has passed the P.E. exam, and is currently working to get her professional registration in the state of North Carolina. She is experienced in the application of government and national fire protection and life safety standards to existing and new facilities. Her work experience includes fire protection and life safety surveys, plan review, Construction Administration services, Life Safety Code® Assessments, litigation support, and general fire protection code consulting.

Lauren E. Schrumf: Ms. Schrumf has more than 5 years of experience as a fire protection engineer with a B.S. in Fire Protection En-

gineering from the University of Maryland. She is experienced in the application of government and national fire protection and life safety standards to existing and new facilities. Ms. Schrumf conducts fire protection engineering life safety assessment surveys and analysis to evaluate compliance with NFPA 101®, witnesses fire protection systems testing, plan review, and provides general building and fire code consulting. She is a member of the Society of Fire Protection Engineers (SFPE), Women in Healthcare, National Fire Protection Association (NFPA), and is an Alternate Member of the NFPA 115 Laser Fire Protection Technical Committee

DRONING ON ABOUT DRONES

Ray Ramos | Raymond Engineering

The presentation is a short historical review of the evolution of drones and associated technology; how they are being used by the government and private entities; issues associated with commercial operations for drones; and how the Healthcare community can use them to assist in the management of their facilities.

We are hoping to have a flyover demonstration, there will be several drones on display.

Mr. Raymond Ramos, PE, RRC is the president of Raymond Engineering which was founded in 1992. With offices located in Georgia, South Carolina, North Carolina Virginia, and Florida, his firm provides a wide variety of A/E services to public and private sector clients throughout the United States. Mr. Ramos has worked as a building envelope engineer since 1984 and has extensive experience in virtually every roofing/waterproofing system on the market. He is a registered engineer in the states of Georgia, Florida, South Carolina, Virginia, and North Carolina and carries the designation of Registered Roof Consultant through the Roof Consultants Institute (RCI, Inc.). Mr. Ramos is an active member in a number of organizations to include the Society of American Military Engineers, A4LE, American Society of Testing and Materials, International Building Code Council, and the Atlanta Area Boy Scout Council. He is a 1976 graduate of The Virginia Military Institute with a degree in Civil Engineering. Lastly, he served as an officer in the U.S. Army Corps of Engineers for 8 years, with tours of duty in the Republic of Korea; Ft. Bragg, North Carolina, and Charlotte, North Carolina.

HURRICANE PLANNING: WHEN to EVACUATE

PANEL DISCUSSION

Mitch Babb, Corey Roberts, Hans Edwards

The Healthcare Preparedness Coalitions facilitate coordination and communications across the healthcare spectrum to ensure the care and protection of all citizens and guest of North Carolina. The Healthcare Preparedness Coalition consists of four main pillars of support; Hospitals, Emergency Medical Services, Emergency Management, and Public Health. The Coalition encompasses an all-inclusive healthcare agency approach to ensure continuity of care.

This presentation will share with you the history of the Healthcare Preparedness Coalition and what our mission is. We will also discuss resources that area available to healthcare facilities in emergent and non-emergent times.



Corey Roberts is the Triad Regional Healthcare Preparedness Coordinator, Triad State Medical Assistance Team Manager, and the warehouse manager at the Triad Regional Healthcare Preparedness Center in Mocksville. Corey holds a Bachelor's of Science degree in Emergency and Disaster Management from Western Carolina University and Associate of Applied Science degrees in Emergency Preparedness and Fire Protection Technology from Forsyth Technical Community College. He has over twenty years of experience in the emergency services field serving from a Firefighter/ EMT to Operations Chief and most recently as the Emergency Services Director for Montgomery County, NC before coming to work for Wake Forest Baptist Medical Center and the Triad Healthcare Preparedness Coalition. Along with many certifications Corey is credentialed as an Associate Emergency Manager with North Carolina Emergency Management. He has responded to local, state and federal disasters to aid in the response and recovery efforts from Hurricanes, Floods, and Wildfires.

**Mitch Babb, MBA/MHA, RN
Chief Operating Officer, Duke Regional Hospital**

Mitch Babb, MBA/MHA, RN, is the Chief Operating Officer of Duke Regional Hospital. Babb has a record of progressive leadership, with more than 22 years of experience in business operations and clinical management at academic medical centers and acute-care community hospitals. Since 2009, he has held various responsibilities at Duke Regional Hospital, from directing emergency and radiology services to developing new processes for patient placement.

**Hans Edwards B.S., EMT-P
Healthcare Preparedness Manager
Southeastern Healthcare Preparedness Region**

Hans will bring a unique perspective to the panel as he was stuck on an island in Wilmington during the entire event and assisted evacuating hospitals and healthcare facilities during.

**ACOUSTICAL CHALLENGES
in HEALTHCARE FACILITIES**

Steve Thornburn | Thornburn Associates

This session will focus on the value of acoustics and the importance of privacy in the design of medical environments, including LEED for health care, HIPAA, FGI and HCAHPS. How do healthcare codes, regulations, and design guidelines impact the acoustical comfort of patients, their families, and building occupants - as well as medical professionals. Participants will learn how acoustics has a positive impact on the design of healthcare facilities, including hospitals and trauma centers, laboratories, and assistive living facilities. This session has been approved for one AIA HSW credit.

Steven J. Thornburn, PE, LEED-AP, CTS-D, CTS-I, as a founder of Thornburn Associates, has been involved with over 3000 different projects. He is a licensed Professional Engineer in 20 states, including North Carolina He practices acoustical engineering and audiovisual/technology system design including architectural acoustics, mechanical noise control, audiovisual, sound and control systems, video and teleconference systems, and security design. His dual degrees from Michigan Technological University in theatre design and electrical engineering enable him to coordinate technical requirements involved in the construction bid process with practical issues required by the end-users. With 32 years of experience, his projects have included university and college buildings, performing arts centers, recording fa-

cilities, entertainment facilities, presentation and conference facilities, government buildings, film and video studios, luxury hotels, libraries, churches, and medical facilities. Mr. Thornburn was responsible for developing the International Communications Industries Association's Design Consultant's Council.

INSURANCE POINT of VIEW

Michael Sink, Ben Yoho and Lisa DeCarolis

As healthcare facilities have grown in sophistication, so has their reliance on equipment, specialized environments, and computer systems. Fire safety and equipment breakdown precautions in hospitals and medical facilities are vital to protect patients, staff, visitors, and business operations. In this session, CNA will highlight key fire protection systems and building equipment common to the healthcare industry and review the functions, inspection, testing, and maintenance of these critical facility systems.

Michael Sink | CNA Equipment Breakdown Risk Control Specialist

Retired from the US Navy. Commissioned as a National Board Certified Boiler and Pressure Vessel Inspector since 1987. Certified to perform Jurisdictional inspections in North Carolina, Virginia and Tennessee. Employed by CNA since 1997.

Ben Yoho | Zone Property Specialist

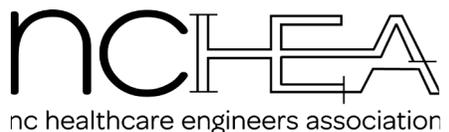
Ben is the Zone Property Specialist (ZPS) for the South Zone, plus Kentucky and Indiana. Ben provides technical consultations and solutions to underwriters, risk control staff and customers involving property deficiencies. Ben's responsibilities include; technical assistance with individual locations, property skill set development of risk control staff, property field training, report quality review and property related special projects.

Ben joined CNA in September 2002 as a Risk Control Specialist. Prior to joining CNA Ben worked at both IRM Insurance and FM Global as a Loss Control Specialist. Ben has a total of 31 years of property risk control experience.

Lisa DeCarolis | CNA Risk Control Consulting Director

Lisa began career with CNA in 2011 and has accountability for North Carolina, South Carolina, Georgia, and Alabama. Lisa is responsible for determining risk acceptability for underwriting purposes, developing business solutions for CNA insureds, and educating both customers and agents on technical best practices.

Lisa holds the Certified Fire Protection Specialist (CFPS), UL Recognized Risk Engineer (RRE), and Commercial Lines Coverages Specialist (CFPS) designations. She has an BBA in Risk Management from the University of Georgia and a MBA from the University of Mississippi.



AGENDA at a GLANCE

Wednesday, March 13

- 9:00 to 12:00 pm Board Meeting North Room
- 3:00 to 5:30 pm REGISTRATION South Room
- 6:00 to 7:30 pm Seminar Opening Reception
Carolina Hall

Thursday, March 14

all education sessions in Cardinal Ballroom

- 7:00 to 8:00 am Registration/Breakfast South Room
- 8:00 to 8:20 am **Welcome** and Program Introduction
Larry Holder NCHEA President
- 8:20 to 9:40 am **KEYNOTE:** Ryan Jenkins
- 9:40 to 9:55 am BREAK
- 9:55 to 10:45 am **Complying With Locking Arrangements of the 2012 Life Safety Code**
Koffel Associates
- 10:55 to 11:55 am **Droning on About Drone's**
Raymond Engineering - Ray Ramos
- 11:55 am Special Sponsor Recognition
- 12:00 to 1:30 pm Lunch CAROLINA DINING ROOM
- 1:30 to 3:00 pm **Hurricane Planning: When to Evacuate**
Panel Discussion | Mitch Babb, Corey Roberts, Hans Edwards
- 3:00 to 3:15 pm BREAK
- 3:15 to 4:15 pm **Acoustical in Healthcare Facilities**
Steve Thornburn
- 3:15 to 4:15 pm **Associate Forum | Vendor Symposium****
North Room
Alex Harwell/Larry Holder
- 4:15 to 5:05 pm District Meetings Cardinal Ballroom

Friday, March 15

- 7:00 to 8:00 am Registration/Breakfast
South Room
- 8:00 to 8:30 am **Energy to Care Update** | Danny Bland
- 8:30 to 9:00 am **ASHE update** | Michael D. Roberts
- 9:00 to 10:00 am **Insurance Point Of View**
Lisa DeCarolis, Michael Sink and Ben Yoho
- 10:00 to 10:15 am BREAK
- 10:15 to 11:45 am **DHSR**
- 11:45 to 12:00 pm Wrap Up

**ASSOCIATE FORUM Vendor Symposium

NCHEA VENDORS & ASSOCIATE MEMBERS WELCOME

Best Practices in...

1. Maximizing the value of your time and sponsorship dollars
2. Strategies for becoming more involved
3. Networking effectiveness

Associate Feedback

Open discussion where everyone involved will share...An area the NCHEA could improve AND An area where the NCHEA excels.



Elizabeth Keller
Koffel Associates



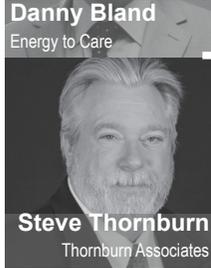
Lauren Schrupf
Koffel Associates



Danny Bland
Energy to Care



Lennon Peaka
Koffel Associates



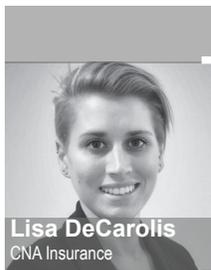
Steve Thornburn
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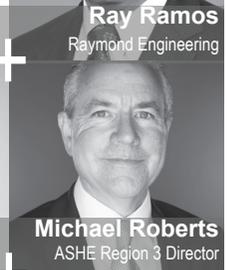
Corey Roberts
Triad Regional Healthcare



Ray Ramos
Raymond Engineering



Lisa DeCarolis
CNA Insurance



Michael Roberts
ASHE Region 3 Director



Michael Sink
CNA Insurance



Ben Yoho
CNA Insurance

Are you a NCHEA MEMBER?

Join today! Go to www.nchea.com and click on JOIN NCHEA.

What kind of member should you be?

FULL NCHEA Members

Full Membership in the Association is available to individuals who are actively EMPLOYED in or by HEALTHCARE RELATED FACILITIES (those that provide patient care) located in North Carolina, and who have responsibility in healthcare facility operations (i.e. facilities management, plant engineering, design/construction, security, safety/fire safety, clinical engineering, and telecommunications). Full Members may vote, hold office, and serve on committees.

ASSOCIATE NCHEA Members

Associate Membership in the Association is available to individuals or representatives that provide professional, technical, and consulting services or sell products or services to Full Members, but whose employers are not healthcare providers (those that do not provide patient care). Qualifying members include, but are not limited to, planners, consultants, architects, interior designers, consulting engineers, manufacturers, vendors, and sellers of contracted services

ALL NCHEA FULL & ASSOCIATE MEMBERS:

\$125.00 EARLY BIRD

Jan 25 thru Feb 5, 2019

\$175.00 Regular Registration

Feb 6, 2019 thru Feb 26, 2019

\$225.00 Late Registration

Starts Mar 27, 2019

NON-MEMBERS FLAT RATE:

\$225.00 Jan 25, 2019 thru walk up



MIKE COOKE

CONE HEALTH
NCHEA 2019 Treasurer
nchea.treasurer@gmail.com

If you need assistance with
PAYMENT contact Mike Cooke.



JEFF FORSYTH

Duke Regional
NCHEA 2019 Secretary
nchea.secretary@gmail.com

If you need assistance with
REGISTRATION, contact Jeff Forsyth.

Please go to www.nchea.com and register on-line. You will be forwarded to the NCHEA Memberlodge website. Login and your current member information will load for you. You can edit if you have changes. If you are not a member, you can sign up online as well.

REGISTER TODAY

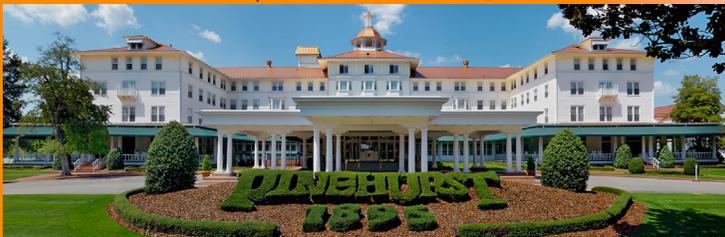
www.nchea.com



EASY ONLINE PAYMENT

REGISTRATION FEES include breakfast, lunch, breaks, and opening reception as well as all seminar materials.

LOCATION *Pinehurst Resort*



Pinehurst Resort

80 Carolina Vista Drive
Pinehurst, NC 28374
www.pinehurst.com

NCHEA RESERVATION LINE | 877-694-5862

When you make your room reservations, identify yourself as an attendee to the NCHEA Spring Seminar.

NCHEA Seminar Room Rates: \$145.00 per night +tax

20% PINEHURST
DISCOUNTS
For NCHEA Attendees
their Guest Room

nchea
nc healthcare engineers association

2608 Erwin Road
Suite 148 #236
Durham, NC 27705



Why you Should Attend?

- » Grow your professional network at the Opening Reception and Education sessions
- » Obtain Continuing Education contact hours necessary for relicensure or professional certificates
- » Gain perspective on new standards and issues affecting the healthcare community as well as new trends in the industry

REGISTER TODAY
www.nchea.com

