



nc healthcare engineers association

2023 SPRING SEMINAR

FEBRUARY 15-17, 2023
Pinehurst Resort | Pinehurst, North Carolina



NCHEA 2023 SPRING SEMINAR

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Our theme for this year is **Make an Impact**. I wanted to use this phrase because every morning, I gather my staff in a huddle and tell them, "Please go make an impact in somebody's life".

In healthcare engineering, we touch many lives that we don't even know about. Our jobs affect the entire facility we work at, allowing us to have an impact on anyone who enters our buildings, whether we know it or not.

My goal is to use this theme to not only encourage us to make an impact at work, but also to make an impact by helping each other more. I'd like to see more of us reaching out, trying to solve problems and network. NCHEA's great community is one of the things that initially drew me to the organization.

Make an impact on your education and networking opportunities by registering for the 2023 Spring Seminar today!



"The Game-Winning 3" Making it count... In business and in life DAVE DAVLIN | Keynote

Dave's Keynote is an hour of interaction, humor and audience participation mixed with a powerful message. It is a roller coaster ride of emotion that will find the audience engaged in hilarious laughter one moment and brought to tears the next. The audience will be challenged to make the most of every moment in order to develop themselves personally and professionally while creating value and making a difference in the lives of others.

SPRING SPONSORS





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(for updated list and registration)

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DESIGNER SPONSOR

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- + TWO (2) RECEPTION PASSES
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BUILDER SPONSOR

\$600 UNLIMITED

- + ONE (1) EDUCATION PASS
- + Added to sponsors loop

Without sponsors, many of our programs and events would not be viable.

Our mission is to provide affordable education to our members and with the help of sponsors like you, we are able to achieve this from our district meetings to our Seminars and to our Annual Conferences. The list of organizations that are in need of sponsors is endless. We are thankful that you continue to choose NCHEA.



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SPEAKERS/EDUCATION SESSIONS



Scott Martin CHE CHFM Chase Davis PE CEM Duke Health



RMF Engineering

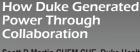


Kenvon Worrell AIA BSA LifeStructures



Mike Dare

Natalie MacDonald **Andrew Benson** Dewberry Dewberry



Scott D Martin CHFM CHE, Duke Health Chase Davis PE CEM, RMF Engineering J. Kenvon Worrell AIA. BSA LifeStructures Mike Dare Senior, Robins & Morton

Bringing together a cross-disciplinary team of experts in architecture, building, engineering and operations, this presentation will highlight the ingenuity behind Duke Health's new emergency power generation and storage facility, which balances myriad demands from reliability and sustainability to quality of care and patient expectations. Panelists will walk audience members through the collaborative, highly iterative design approach and provide insight into how the innovations and lessons learned can be applied to health care facilities across the world to address. some of the most challenging problems in the sector todav.

Hospitals & Sustainability: A Pragmatic Approach and **Small Steps Towards** Decarbonization

Natalie MacDonald, Dewberry Andrew Benson, Dewberry

A practical and incremental approach to implementing sustainability and decarbonization strategies in healthcare facility projects and designs. This session will cover pragmatic approaches to sustainability. energy, and carbon reduction goals for existing and new hospitals and specific examples and strategies for decarbonizing healthcare facilities.

Learning Outcomes

2025

- · Define sustainability and decarbonization in the built environment
- · Scopes and pillars of decarbonization
- · Understanding which carbon reduction strategies align best with existing and new healthcare
- · How to plan for decarbonization & when to consider it for your project
- · Recommended technologies and design strategies for reducing your carbon footprint

ERRCS Changes in NFPA 2022 and How it Will Affect Healthcare Facilities

Rvan Coon, Tower IQ Adam Dutcher, Tower IQ Zach Smathers, Brightstar

ERRCS (or Emergency Responder Radio Communication Systems) & components such as a BDA (Bi -directional Amplifier) have evolved to improve critical communications within our building as well as allow communication to the outside. NFPA's new National Fire Alarm and Signaling Code® (#72) dives into the design, boosting and survey of these systems by an accredited professional.

Rvan Coon & Adam Dutcher of Tower IQ and Zach Smathers of BrightStar will discuss the recent changes in the requirement for these systems and what it may mean for your next facility design. They will also focus on how local code officials will be looking at your existing emergency communication system not only as a part of your fire alarm, but facility infrastructure in case of terrorist and/or natural disaster.

This non-branded discussion will talk about the evolution of the systems, what your healthcare IT specialists need to know and how it ties into the design and maintenance of a healthcare facility.



Ryan Coon Tower IO



SPEAKERS/EDUCATION SESSIONS

"Keeping Docs Cool, Dry and Happy in the OR... Can I Do It With What I've Got?

David N. Schurk DES, CEM, LEED-AP, CDSM, CEWP, SFP, CIAQM, CHC.

Many times, healthcare facility professionals have "inherited" older HVAC systems which were installed in their hospital at the time of its original construction. These systems may be incapable of delivering the critical level of environmental control necessary in today's ever demanding patient care model. This technical session will give these professionals a fundamental understanding of the basic principles that must be considered in order to properly control their hospital operating room (OR). It will establish how temperature and humidity interact to create a satisfying and productive healthcare environment and provide information to assist the healthcare facility professional in analyzing a hospital OR when troubleshooting the space due to problems. Various HVAC retrofit scenarios to remedy ailing OR's will also be discussed.



David N. Schurk
Applied Engineering

Avoiding Leadership Findings in Document: EC 02.03.05 Facilities

Bruce Bennett, MAOM, BSHCA, CHSP, EMT

Documentation Requirements for Joint Commission

Strategic = Forward-looking, strategic discussions of the future of documentation for Life Safety and Environment of Care. These can be considered "master's level" sessions.

This presentation will explore EC 02.03.05 documentation, provide clarity on its review and how to prevent leadership findings from these documentations. We will highlight relevant standard sections EC 02.03.05 EP28 then dive into too documentation deficiencies.

Goals:

- Explain EC 02.03.05 Documentation Review
 Process the open book test.
- 2. Describe how to prepare for documentation review, including best practices.
- 3. Identify documentation fails and observe the challenges with keeping up the documentation.
- Explain how findings in documentation review can result in a leadership finding and how to avoid leadership findings.

Getting Behavioral Healthcare Crisis Treatment out of the ED

Jeff Mural, AIA EDAC NCARB, LS3P Archana Kumar, M.D., Cone Health Behavioral Health Service Line Steve Freyaldenhoven, AIA, LS3P

Cone Health has relieved the pressure on its Emergency Department by investing in a new facility specifically designed for people in a behavioral health crisis. The new Guilford County Crisis Center in Greensboro, NC is unique in its region, and one of only a handful of holistic-care facilities nationwide providing integrated care for behavioral health patients in a community setting.

This case study for this innovative model of behavioral healthcare delivery will explore best practices for providing integrated care while reducing stigma for seeking behavioral healthcare and examine how both the internal and external design for two co-located buildings provide community access to 5 different types of care. In the words of Debbie Cunningham, Senior Vice President for Behavioral Health Services with Cone Health, "It's one stop shopping. You won't have to go to two or three places to get your healthcare needs met."

This facility expands access to behavioral healthcare services in Greensboro, NC; alleviates the burden placed on local emergency departments; and creates an integrated provision of care so children, adolescents and adults can receive both behavioral and acute healthcare.

ASHE LIAISON

Terry L Fair CHE, CHFM, SrHE System Director of Life Safety Accreditation and Regulatory

Novant Health, Inc.

Sustainability/Energy to Care Updates

Michael D. Roberts, PE, SASHE, CHFM, SrHE Director – Energy Services Facilities Management Group, Corporate Atrium Health | Design Collaborative



Terry L Fair



Jeff Mural LS3P



Michael D Roberts Atrium Health



Bruce Bennett NEF Firestop

->>>

REGISTRATION



Cecil Watson CHFM
UNC Health Rex
NCHEA Program Chair
nchea.programchair@gmail.com



Tye Frost CHC CHFM
CarolinaEast Health System
NCHEA Secretary
nchea.secretary@gmail.com

The NCHEA Spring Seminar creates the ideal environment to connect with fellow colleagues while preparing yourself for future trends and challenges in healthcare. Plan to join us in Pinehurst and Make an Impact on your career, life and fellow workers.

EDUCATION REGISTRATION
OPEN NOW: www.nchea.com

Are you a NCHEA MEMBER? JOIN TODAY! Go to www.nchea.com

Contact Tye Frost, NCHEA Secretary if you need assistance with membership.

NCHEA 2023 SPRING SEMINAR RATES:

- EARLY BIRD: December 12- January 6th.
 Full Healthcare: \$100 | Associate: \$175
- REGULAR: January 7 January 30, 2023 Full Healthcare: \$150 | Associate: \$225
- LATE: January 31, 2023 February 17, 2023 Full Healthcare: \$200 | Associate \$275
- NON MEMBER FLAT RATE: December 12 - February 17, 2023 | \$275

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.

Wednesday, Feb 15, 2023

8:30 am - 12:00 pm	Board Meeting
12:00 pm	The Cradle FUNdraiser First Round
1:30 pm	The Cradle FUNdraiser Second Round
2:30 pm	REGISTRATION - South Room
5:00 pm	Registration moves to Carolina Terrace
5:30 pm	Seminar OPENING RECEPTION Carolina Terrace

LOCATION & AGENDA





SEMINAR LOCATION: Pinehurst Resort

80 Carolina Vista Drive Pinehurst, NC 28374

www.pinehurst.com

Pinehurst Resort Overnight Room Rates: \$189.00 per night +tax double occupancy

NCHEA RESERVATION LINE 877-694-5862

Homewood Suites by Hilton Olmsted Village near Pinehurst 250 Central Park Ave. Pinehurst, NC 28374 Hotel: (910)255-0300

8:30 am

9:00 am

9:15 am

10:15 am

11:45 am

Thursday, Feb 16, 2023	
7:00 am	Registration/Breakfast
8:00 am	Welcome and Program Introduction
8:20 am	Keynote Dave Davlin
9:30 am	Break
9:45 am	Keeping Docs Cool, Dry and Happy in the ORCan I do it with what I've got? David N. Schurk
10:45 am	ERRCS Changes in NFPA 2022 and How it Will Affect Healthcare Facilities Ryan Coon
12:00 pm	Lunch - Tufts/Ross Room
1:00 pm	How Duke Generated Power through Collaboration Scott D Martin, Mike Dare, J Kenyon Worrell, Chase Davis
2:00 pm	Break
2:15 pm	Avoiding Leadership Findings in Document EC 02.03.05 Bruce Bennett
2:15 pm (concurrent session)	ASSOCIATE FORUM - Tufts/Ross
3:15 pm	Hospitals & Sustainability: a Pragmatic Approach and Small Steps Towards Decarbonization Natalie MacDonald, Stephen Crescenzo, Andrew Benson
4:15 pm	District Meetings
Friday, Feb 17, 2023	
7:00 am	Registration/Breakfast
8:00 am	ASHE Update Terry Fair

Sustainability and Energy to Care | Michael Roberts

Getting Behavioral Health Crisis Treatment Out of the ED | Jeff Mural

Break

DHSR Update - DHSR Team

Wrap up | Jeff Forsyth



2608 Erwin Road Suite 148 #236 Durham, North Carolina

Register Today!

www.nchea.com FEB 15-17,2023 | Pinehurst, NC



