



HISHE

IOWA SOCIETY FOR HEALTHCARE ENGINEERING

FALL CONFERENCE

Sept. 17-19

CONFERENCE OVERVIEW

The Iowa Society for Healthcare Engineering Conference provides education to promote quality patient care, enhance facilities, and prepare for the future of health care through improved engineering practices.

CONFERENCE AGENDA

WEDNESDAY, SEPT. 17 | IOWA CUBS GAME AND WELCOME RECEPTION

11:30 a.m. Shuttle to game

12:08 p.m. Lunch and Iowa Cubs Game

Principal Park | 1 Line Dr, Des Moines

Shuttle

5-7 p.m. Welcome Reception | Renaissance Des Moines Savery Hotel, Revelry Room

509 5th Ave, Des Moines

THURSDAY, SEPT. 18 | EMC EXPO CENTER

7:30 a.m. Registration and breakfast

8 a.m. Welcome and introductions

8:15 a.m. American Society of Heating, Refrigerating and Air-conditioning Engineers/American Society for Health Care Engineering Guideline 43

TBD

This presentation will explore the lifecycle of codes, from their creation to their implementation and interpretation. Flannery will focus on the ASHRAE codes most critical to the health care environment, including ASHRAE 170, Guideline 43, Standard 241 and Guideline 41. Originally established over 125 years ago to address the growing needs of the heating, ventilation and air conditioning industry, ASHRAE remains at the forefront of creating and updating codes that respond to industry trends and advancements in our understanding of the built environment. These publications are not merely minimum code requirements or guidelines but consensus documents, shaped by discussions and compromises among diverse stakeholders. Far from static, they are living documents that are continuously updated to reflect changes in the industry and our evolving knowledge. This presentation will provide insights into how to engage with this process, including how to find and initiate questions of interpretation.

Learning objectives:

- Determine how to engage with this process, including how to locate and initiate questions of interpretation
- Explore the lifecycle of codes, from their creation to their implementation and interpretation
- Illuminate the complexities and practicalities of working with these critical codes in health care
- Interpret the ASHRAE codes most critical to the health care environment

9:15 a.m.

Construction Manager at Risk Project Delivery

Gavin Scroggin, Strategic Growth Director, Graham Construction, Des Moines

This presentation will help health care engineers evaluate the construction manager at risk project delivery method as authorized under Iowa Senate File 183, understand the implications of U.S. Department of Agriculture funding requirements and recent regulatory updates, and assess the role of Babba in aligning health care capital projects with USDA compliance and strategic financing opportunities.

Learning objectives:

- Assess the role of Babba in aligning health care capital projects with USDA compliance and strategic financing opportunities
- Evaluate the construction manager at risk project delivery method
- Understand the implications of USDA funding requirements and recent regulatory updates

10:15 a.m.

Break

10:30 a.m.

Effectively Preparing for an OSHA Compliance Audit: A Case Study

James Baxter, Environmental Group Manager, and Jennifer Holliday, CIH, Senior Industrial Hygienist, Terracon Consultants, Des Moines

An audit can be daunting if not effectively prepared for. Adequate preparation involves understanding facility programs, their requirements and the necessary team members to manage the program effectively. The presenters have experience auditing Occupational Safety and Health Administration compliance programs as internal stakeholders, program owners (auditors) and consultants helping to assess these programs. Holliday will present a case study of assessments and lessons learned. Although focused on OSHA compliance, the best practices used to prepare for an audit can be applied to other types of business auditing. She'll review an assessment of a formaldehyde program in a university research hospital and its implications for corresponding programs, such as respiratory protection and exposure monitoring.

Learning objectives:

- Define action items to address observations and preliminary findings
- Understand how to identify gaps to enhance program compliance
- Understand how to prioritize programs for review and assessment

11:30 a.m.

Lunch

12:30 p.m.

Business meeting

1 p.m.

Experienced Facilities Leaders Panel

Panel of ISHE members moderated by the ISHE president

Our panel will share their ideas for keeping themselves and their teams focused on the activities that lead to their success. They will discuss what they learned from their team's experiences in sustainability, staffing, compliance and funding. They will also share information about infection control risk assessment and behavioral health.

Learning objectives:

- Discover how the panel members have addressed staffing constraints
- Discuss how the leaders have achieved support for funding infrastructure improvements from the C-suite
- Discuss sustainability initiatives leaders have employed
- Examine the big takeaways they have had in improving compliance
- Learn how leaders stay current on hot topics

2 p.m.

From Data to Decisions: Smart Building Commissioning With Technology and Expertise

Nicole Howerton, Area General Manager, Siemens, Des Moines; Jeremy Huisman, PE, HFDP, Healthcare Engineering Market Leader, Shive-Hattery, West Des Moines; Lance King, PE, Energy Services Operations Manager, Siemens, Grand Rapids, Michigan; Chris Phillips, CHFM, CLSS-HC, Executive Director Facilities, Construction and Properties, UnityPoint Health, Des Moines; Justin Tweedy, Service Operations Manager, Siemens, Omaha, Nebraska

Building commissioning is an effective strategy for reducing energy consumption and enhancing building performance. This course will provide education for consulting engineers and other technical professionals about the commissioning process in new and existing buildings, as well as the role of a building automation system in this process.

Learning objectives:

- Discuss the role that the building automation system plays in the commissioning and retro-commissioning processes
- Identify the commissioning requirements for Leadership in Energy and Environmental Design certification
- Identify the various documents, tools and resources that a commissioning authority uses to facilitate the commissioning process
- Understand the difference between commissioning and retro-commissioning

3 p.m. Break

3:15 p.m. The Economics and Truth About HVAC Asset Management With Assessment and Restoration: The Return on Investment of HVAC Restoration

Nick Novy, Regional Manager, Pure Air Control Services, Part of Tremco Construction Products Group, Clearwater, Florida

This presentation examines the benefits of restoring aging HVAC systems as a cost-effective and sustainable alternative to replacement. It will cover performance improvements, including increased airflow, enhanced cooling capacity and improved energy efficiency. The restoration process includes steam coil cleaning, the application of specialized coatings, the installation of closed-cell insulation, and upgrades to electronically commutated motor fan arrays. We will address solutions for restoring units in inaccessible locations and show how restoration delivers long-term savings, minimal disruption and extended equipment life.

Learning objectives:

- Become familiar with innovative restoration techniques and technologies
- Gain a broader, more-strategic view of HVAC lifecycle management and air handler restoration
- Improve understanding of how restoration can deliver substantial cost savings and logistical avoidances for facilities
- Understand the traditional perspective on aging HVAC systems from traditional replacement to viable restoration options

4:15 p.m. Closing comments

4:30 p.m. Trade show reception, EMC Expo Center

6:30 p.m. Trade show closes

6:30-8:30 p.m. ISHE-endorsed evening event – sponsored by Graham Construction, a 3G Company

Following the trade show reception, gather with other ISHE members in the Core Purpose Room at Graham Construction, a 3G Company for darts, drinks and Thursday Night Football. Located at 509 5th Ave, Des Moines, this event is just 0.3 miles from the EMC Expo Center and 0.1 miles from the Renaissance Des Moines Savery Hotel. Look for the neon red "G" sign on 5th Ave. across from the YMCA.

This event is open to ISHE members only.

FRIDAY, SEPT. 19 | EMC EXPO CENTER

8 a.m. Breakfast and district meetings

ISHE districts will meet to discuss hot topics and vote for their district representatives.

9 a.m. Break

9:15 a.m. Iowa Department of Inspections, Appeals and Licensing Update

Amy Fratzke, Management Analyst 3, Fire Safety Bureau, Department of Inspections, Appeals and Licensing, Bettendorf

10:45 a.m. DNV Healthcare USA Inc. Update

Clinton Butts, Standards Application and Interpretation Specialist, DNV Healthcare, Charlottesville, Virginia

12:15 p.m. Adjourn

SPEAKERS

James Baxter is the environmental group manager in Terracon's Bettendorf office, bringing nearly 20 years of experience in the environmental industry. Baxter's expertise spans asbestos, lead, mold, industrial hygiene and safety/risk assessment services. Besides his core responsibilities, he delivers awareness training and presentations to existing and prospective clients. Baxter's commitment to educating and informing clients reflects his dedication to clients' needs and underscores his role as a knowledgeable and approachable resource in many fields.

Clint Butts is the specialist for physical environment standards application and interpretation at DNV Healthcare. Butts' team is responsible for developing the National Integrated Accreditation for Healthcare Organizations' standards, providing formal interpretations and addressing questions about the application of these standards. He has over 30 years of experience in higher education, fire service and health care, with expertise in all areas of the physical environment. Butts has been responsible for the environmental health and life safety of an extensive multi-hospital system and was a state fire marshal. He holds a Bachelor of Science degree in geology and is a certified fire protection specialist and an accredited health care operations professional. Butts represents DNV Healthcare on the National Fire Protection Association Healthcare Standards Interpretation Task Force and is on the technical committee for the National Fire Protection Association's Alternative Approaches to Life Safety. He began his career with DNV Healthcare in 2011 as a physical environment and life safety surveyor, surveying over 500 organizations. Before this, Butts was a surveyor and team leader.

Amy Fratzke is a management analyst III with the Fire Safety Bureau in the Iowa Department of Inspections, Appeals, and Licensing. Here, Fratzke conducts life safety code surveys. Previously, she spent 30 years with the Iowa Department of Public Safety, including 24 years with the State Fire Marshal's Office as a fire prevention inspector.

Jenn Holliday has been an industrial hygienist for 11 years, managing programs and teams, improving standards of practice and risk management, and expanding her network to include product development, paving a path to impact personal protective equipment availability and end-user operations. Holliday has been a volunteer with the American Industrial Hygiene Association, serving on the four-year officer rotation of the Women in Industrial Hygiene Committee and the Leadership and Management Committee. She's been recognized as a member of AIHA's Future Leaders Institute and as a Kusnetz Award Recipient, as well as Central Iowa Safety Woman of the Year in 2024. With a diverse background in chemical, manufacturing, power generation and consulting, Holliday empowers the next generation of leaders, including women and members of underrepresented communities in the industry, to reach for and achieve their goals.

Nicole Howerton is an area general manager for Siemens, overseeing operations and strategy for the company's branches in Iowa and Nebraska. With over 15 years of experience, Howerton's role involves leadership responsibilities and driving business growth in these regions. She received her Bachelor of Business Administration with a focus on entrepreneurial studies from the University of Miami.

Jeremy Huisman is the health care engineering market leader for Shive-Hattery in Des Moines. Huisman guides his staff in designing facilities with robust, resilient, and efficient engineering systems that work seamlessly to create an environment where patients and staff can focus on the healing process. He leads the performance of this market through strategic planning and partnerships, employee management, development, and engagement, as well as business development and project delivery. Huisman received his degree in mechanical engineering from Iowa State University and is a licensed professional engineer and health care facility design professional.

Lance King is the energy services operations manager at Siemens in Grand Rapids, Michigan. He received his degree in mechanical engineering from Grand Valley State University and is a certified professional engineer and certified energy manager.

Nick Novy is the regional manager of WTI - Pure Air Control Services, a division of Tremco Construction Products Group. Novy received his degree in environmental science and biology from Florida State University. Previously, he worked for the Florida Fish and Wildlife Conservation Commission.

Chris Phillips is the executive director of facilities for construction and properties at UnityPoint Health in Des Moines. Phillips received his degree in project management from Georgia Southern University and his health care facility manager certification in 2021.

Gavin Scroggin is the strategic growth director at Graham Construction in Des Moines. Scroggin has bachelor's degrees in construction engineering from Iowa State University and construction management from Indiana State University.

Justin Tweedy is a service operations manager for Siemens in Omaha, Nebraska.

REGISTRATION

Register online at www.ihaonline.org.

- ISHE member — \$50
- IHA hospital member — \$100
- IHA associate member — \$350
- Non-IHA member — \$700

CLICK HERE
TO BECOME
A MEMBER
OF ISHE!

Nonmembers who have secured a trade show booth may attend for \$350 using a coupon code.

Email Michelle.Ketelsen for the code.

CONTINUING EDUCATION

The American Society for Healthcare Engineering of the American Hospital Association is pending approval for contact hours.

The certificate of attendance can be used for self-reporting.

CONFERENCE INFORMATION

EMC Expo Center, 730 Third St., Des Moines

- If you have dietary restrictions or allergies, email iharegistration@ihaonline.org.
- Dress for the conference is business casual. Layered clothing is recommended for your comfort.
- This is a paperless conference. IHA will email conference materials when available.

LODGING

IHA offers a discounted nightly room rate at the Renaissance Des Moines Savery Hotel for a run-of-the-house guest room, starting at \$179 plus tax. Reservations can be made by calling 515-244-2151 and asking for the Iowa Hospital Association ISHE meeting rate.

Book your room [here!](#)

Reservations must be made before Wednesday, Aug. 27.

CANCELLATION/REFUND POLICY

- Cancellations and substitutions are welcome anytime. Email cancellations and substitution requests to iharegistration@ihaonline.org.
- IHA will refund cancellations received 10 or more business days before the conference.
- IHA will charge a \$50 administrative fee to cancellations received six to nine business days before the conference.
- IHA will not refund cancellations received five or fewer business days before the conference.
- IHA will calculate refunds by the date received and the IHA business days remaining before the conference.
- IHA may cancel the conference because of low enrollment. If so, IHA will notify preregistered participants and provide full refunds.

ADA POLICY

IHA does not discriminate in its educational programs based on race, religion, color, sex or disability. IHA wishes to ensure no one with a disability is excluded, denied services, segregated or treated differently than others because of the absence of auxiliary aids and services. If you need auxiliary aids or services identified in the Americans With Disabilities Act to attend this conference, contact the IHA Education Department at 515-288-1955.

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