

AHCA Seminar Schedule

(Draft Version - Subject to change)

Sunday, October 17, 2021

8:00 AM: Sarah Szafranski Endowment Fund Golf Tournament Registration

8:30 AM: Shotgun Start - Falcon's Fire Golf course

12:00 Noon - 7:00 PM: AHCA Seminar and Expo Registration - Veracruz Lobby B

Sunday Afternoon Educational Sessions

There will be two hours of educational sessions starting at 3:30 PM. These sessions will present topics relevant to all attendees.

Educational Sessions

3:30 – 4:30 PM (1 AIA CEU Submitted)

FAST Renovations for Infectious Diseases

Tamara Rice, Tampa General Hospital

Session Summary: TBA

3:30 – 4:30 PM (1 CILB CEU Approved)

10 Things Your Lawyer Won't Tell You (But Should)

Alex Barthet, Board Certified in Construction Law - The Barthet Firm, Miami, FL

Session Summary: TBA

4:30 - 5:30 PM (1 AIA CEU approved) (1 CILB CEU submitted)

Effective Collaboration Tactics for Complex Projects

Bob Kramer, Project Executive - Field Operations - Skanska USA Building Inc., Fort Myers, FL

Dave Kistel, VP Facilities & Support Services - Lee Health, Cape Coral, FL

Claudia Benjamin, Communications Manager - Skanska USA Building Inc., Fort Myers, FL

Carl Beers, AIA, Principal and Director of Healthcare for the Southeast - HKS Architects, Inc., Orlando, FL

Session Summary: This presentation will examine the communication approaches and tools used to aid in creating a safer care setting and keeping the hospital fully operational in an invasive construction environment.

5:30 - 7:00 PM

AHCA Seminar Reception - and Sarah Szafranski Endowment Presentation

A reception for all attendees where you can meet and greet your friends and clients and renew old acquaintances.

Monday October 18, 2021

AHCA Seminar Registration and Breakfast for AHCA - Seminar Veracruz Lobby B

Monday Morning Main Speaker Sessions: Coronado Ballroom H & J

The Monday morning sessions start with a welcome from AHCA Leadership, followed by two presentations that will review some of the major emergency events over the past few years and how the health care facilities responded to them.

8:30 - 9:00 AM

Welcoming Remarks

AHCA Leadership: TBD

9:00 – 10:00 AM

Joplin Emergency (1 AIA CEU submitted)

Ken Cates

Sessions Summary: In 2011 a tornado struck Joplin Missouri that killed over 150 people and completely devastated the major hospital. This presentation will recount some of the heroics of that day by the people of Joplin and will take you through the immediate aftermath, the erection of temporary “hospitals” and finally the design and building of a new hospital near the original site.

10:00 - 10:30 AM

Break

10:30 - 11:30 AM

FGI Emergency Conditions (1 AIA CEU Submitted)

Douglas S. Erickson, FASHE, CHFM, HFDP, CHC, Chief Executive Officer
Facility Guidelines Institute, St. Louis, MO

Session Summary: This presentation will provide an over view of the 700 page document developed by the FGI Guidelines committee as a guide for health care facility before, during and following an emergency event.

11:30 AM - 1:00 PM

AHCA Seminar Luncheon in the Veracruz Ballroom

Monday Afternoon Breakaway Sessions

There will be 3 hours of 5 different breakaway session tracks to choose from: Architecture, Mechanical Engineering, Electrical Engineering, Facility Engineering & Contractors, and Fire Safety. Sessions are one hour each with a 30 minute refreshment break between the first and second sessions.

Architecture Sessions

1:00 – 2:00 PM (1 AIA CEU Approved)

Post-Pandemic Design: Perspectives from a Multi-disciplinary Approach

Tatiana Guimaraes, CAU, ASSOC. AIA®, Associate Principal - Perkins and Will, Coral Gables, FL

Lisa Pool, Principal - Perkins and Will, Minneapolis, MN

Aimee Eckmann, Principal - Perkins and Will, Chicago, IL

Jose Bofill, Associate Principal - Perkins and Will, Coral Gables, FL

Session Summary: This presentation will present lessons learned from this pandemic and how that affects design and planning. It will review experiences from the point of view of health care, science and technology, education and workplace, and discuss cross learning opportunities and the impact on changing healthcare design goals to better understand concepts for current and future projects.

2:00 - 2:30 PM

Break

2:30 – 3:30 PM

The Importance of Owner Design Standards (1 AIA CEU Submitted for) (1 CILB CEU submitted)

Edward L. Hengtgen Jr., LEED AP, RA, Assistant VP, Facilities Operations & Planning

University of Miami Office of Space Planning & Analysis, Miami, FL

Patrick M. Casey, VP– Facilities Operations & Planning

University of Miami Health System, Miami, FL

Session Summary: This session will demonstrate how the use of Facility Standard Designs make a more nimble and cost effective way for Institutions to reduce both design and construction times and reduce costs and errors.

3:30 – 4:30 PM

TBA

Mechanical Engineering Sessions - Sabal Ballroom

1:00 – 2:00 PM

Pandemic & Emergency Management Relating to Medical Gas (1 FPPE CEU Approved) (1 CILB CEU submitted)

Paul Rumbos, President - Major Medical Hospital Services, West Berlin, NJ

Session Summary: This presentation is a complete overview of issues pertaining to the pandemic response as it relates to medical gas. Including new design objectives for the future to help mitigate past issues, and the *NFPA 99* updates for 2015 and what's new for 2023.

2:00 - 2:30 PM

Break

2:30 – 3:30 PM

Outpatient Facility Design: FGI Code Updates, HVAC Application, Lessons Learned (1 FPPE CEU Approved) (1 CILB CEU submitted)

Mike Burton PE, Sr. Mechanical Engineer - Smith Seckman Reid, Inc., Nashville, TN

Session Summary: Understanding the *2018 FGI Guidelines for Design and Construction of Outpatient Facilities* is key in designing, building, and maintaining outpatient facilities for maximum benefit to the owner and patient. This session will look at the new guidelines, apply them to HVAC systems, and explore lessons learned from outpatient facility designs.

3:30 – 4:30 PM

Updates to ASHRAE 170 (1 FPPE CEU Approved) (1 CILB CEU submitted)

Michael Sheerin, PE, LEED, AP, CEO, - TLC Engineering Solutions, Orlando, FL

Session Summary: This presentation will give you the latest updates to *ASHRAE 170*, the new approved addendums that Florida enforces, and a look at what is to come in the *2022 FGI Guidelines* and *ASHRAE 170*.

Electrical Engineering Sessions - Sago Ballroom

1:00 – 2:00 PM

Private Mode Notification: A Practical Guide for Design and Implementation (1 FPPE CEU Approved) (1 CILB CEU submitted)

Jonathan Reyman, Associate - Jensen Hughes, Inc., Westminster, CO

Shaine Grogan, PE, CFPS, Sr. Fire Protection Engineer - Jensen Hughes, Inc., Boston, MA

Session Summary: Private operation mode fire alarm systems are now required by the *Florida Building Code* and the *Florida Fire Prevention Code* in health care facilities. This session will teach you how to comply with these new code requirements.

2:00 - 2:30 PM

Break

2:30 – 3:30 PM

Pathway Survivability - Past, Present, & Future (1 FPPE CEU Approved) (1 CILB CEU submitted)

Larry D. Rietz, Director, Denver, CO - Jensen Hughes, Inc., Westminster, CO

Session Summary: The pathway survivability of fire alarm and other emergency circuits that must continue working during a fire has been required in every version of the *National Fire Alarm and Signaling Code*®. Over the years, requirements have changed and many requirements have been added or modified. This session will review the history of these requirements and make clear when, what, and where it is required.

3:30 – 4:30 PM

Fuel Cells and Micro Grids...The Future is Now (1 FPPE CEU Approved) (1 CILB CEU submitted)

Walt Vernon, Principal and Chief Executive Officer - Mazzetti, San Francisco, CA

Sessions Summary: New technologies are advancing faster than the building and fire codes can keep up with them. One of the newest of these is the use of fuel cells in health care. This session will walk you through the engineering and installations of some of the newest models that will effect health electrical systems for years to come.

Facility Engineering/Contractors Sessions (1 CILB CEU submitted) (Suitable for ASHE 1 CEU)

1:00 – 2:00 PM

Infection Control in the Time of COVID-19 (1 CILB CEU submitted)

Robert D. Booth, MPH, CIH, Senior Healthcare Consultant - Oncore, Inc., Tampa FL

Session Summary: Many challenges occurred in the initial response to the current/recent pandemic COVID-19 (SARS-CoV-2). The presentation will focus on initial actions, lessons learned, and common facility short comings during response activities.

2:00 - 2:30 PM

Break

2:30 – 3:30 PM

How to Protect the Emergency Electrical System from All Hazards (1 CILB CEU submitted) (Suitable for ASHE 1 CEU)

Dan Chislom Sr., President of MGI Consulting, Inc.

Sessions Summary: Whether it's a bombing or freezing temperatures, the emergency electrical system must be protected to insure continuation of life saving operations. This presentation will review some lessons learned during the last few years of catastrophic events.

3:30 – 4:30 PM

Digital Twins and PRO (Predictive Real-time Operation) Flow for Health Care Facilities (1 CILB CEU submitted) (Suitable for ASHE 1 CEU)

Alexandra Andrei, AIA, EDAC, Project Architect & BIM Manager
Array Architects, Boca Raton, FL

Session Summary: A Digital Twin is an opportunity to create an exact replica of the built environment to use post occupancy and for the building's lifetime. This session will examine the pros and cons and uses of such software programs.

Fire Safety Sessions - Canary 1 and 2

1:00 – 2:00 PM

TBA: (1 Fire College CEU submitted)

Mike Crowley

Session Summary: TBA

2:00 - 2:30 PM

Break

2:30 – 3:30 PM

The Life Blood the Emergency Power Systems (1 CILB CEU submitted) (Suitable for ASHE 1 CEU) (1 Fire College CEU submitted)

Ernie George, President Universal Fuel Services, Tampa, FL
Stephany Alvarado, Universal Fuel Services

Session Summary: The entire emergency electrical system depends on the quality of the fuel supply during a catastrophic power outage. This session will highlight the revisions to *NFPA 110 2019* edition and will sort fact from fiction of what is really need to assure good quality stored diesel fuel.

3:30 – 4:30 PM

Title TBA

James Peterkin, PE, LEED AP, SASHE, Principal Fire Protection Engineer
TLC Engineering Solutions - Philadelphia, PA (1 Fire College CEU submitted)

Session Summary: TBA

AHCA Expo and Reception - 4:30 - 7:00 PM

After the breakaway sessions adjourn for the day, join us at the reception inside the AHCA Expo where you can sample some delicious snacks, grab a drink or two and see what new products and services are available for health care environments.

Tuesday Sessions October 19, 2021

Main Speaker Sessions 8:30 - 9:30 AM

TBA Chad or Fugate

The Tuesday main speaker sessions will present new ideas to help you be better prepared for the next emergency that may occur at your health care facilities. Presentations regarding design for infectious disease situations, and a review of the Emergency Preparedness guidelines from ASHE to assist you in developing more effective planning and execution for emergencies will round out the morning.

John Englander will be presenting some new strategies to prepare for sea level rise.

9:30 – 9:45 AM

Break - AHCA Expo - Cypress 3 Ballroom

9:45 – 10:45 AM

Emergency Hospital Construction (1 AIA CEU approved)

Karl Jensen, Executive Vice President, EVP, National Governments Business Line - AECOM, Arlington, VA

Session Summary: This presentation will discuss the issues around creating several 1000 +Bed alternative care facilities in response to the coronavirus pandemic in a very short time period to relieve the sudden overcrowding of established health care facilities.

10:45 – 11:45 AM

Moving to Higher Ground (1 AIA CEU submitted)(1 ASHE CEU suitable)

John Englander, Oceanographer, author, and international speaker on Sea Level Rise

Session Summary: Sea level rise is here and it is currently adversely affecting the physical plants of many health care facilities. Florida is especially at risk because many health care assets are in close proximity to the coast line. This presentation will challenge you to think about the future and steps you can take now to begin to mitigate this increasing hazard.

11:45 AM – 2:00 PM

AHCA Grab and Go Lunch, Expo, and Afternoon Breakaway Sessions

During the extended lunch period you will have a chance to visit the Expo, win some prizes and have time to relax and chat with friends and associates. You can take in a lunch and learn, with an "Ask AHCA" panel at this time. From 2 to 4 PM there will be 2 hours of CEU sessions in all 5 tracks, Architecture, Mechanical & Electrical Engineering, Facility Engineering and Contracting, including 2 hours of the advanced course for architects that is required by the Florida Building Code Commission.

12:15 to 1:15

ASK AHCA 2021

AHCA Supervisory Staff

Sessions Summary: This will be a panel discussion with the Plans and Construction Supervisors and the Lead Fire Protection Specialist answering the questions that were posted on the AHCA Seminar website. Don't miss this session for the most current positions of AHCA on fire safety, design and construction code issues.

11:45 - 2:00 PM

AHCA Expo

Tuesday Afternoon Breakaway Sessions

Architecture Sessions

2:00 - 4:00 PM

Advanced Course for Architects (2 Advanced Hours for the Florida Board of Architecture)

Session Summary: TBA

Mechanical Sessions

2:00 – 3:00 PM

Future Ready Healthcare - What if We Can?

Gary Hamilton, PE, FASHE, EDAC, LEED AP, SVP - East Coast Healthcare Director - WSP, Arlington, VA
April Woods, PE, LEED AP BD+C, Vice President - WSP, Orlando, FL

Session Summary: This session will walk the audience through the new design technology that is needed to ensure that healthcare facilities are "Future Ready". It will give the audience a vision into what disruptive technologies are affecting the design process.

3:00 – 4:00 PM

Operating Room Improvements Based on Environmental Quality Indicator Risk Mapping Can Help Reduce Surgical Site Infections

Jennifer Wagner, Managing Partner - OnSite-LLC, Discovery Bay, CA
Damon Greeley, Managing Partner - OnSite-LLC, Indianapolis, IN

Session Summary: To determine if improving the asepsis of the airborne environment in ORs contributes to reduced SSI rates, fourteen ORs were reconfigured to improve air velocity in and out of the sterile field, increased relative humidity, real time monitoring of temperature, pressure and humidity levels, reduction of overall air change rates, and staff education on the role of the environment in the potential transmission of contaminants. This session will present the results of this investigation.

Electrical Engineering Sessions

2:00 - 3:00 PM

BDA/ERCES - Protecting Those Who Protect Us

BJ Klingensmith, Life Safety Manager - APG, Clearwater, FL

Session Summary: NFPA 72 2010 and 2013 introduced us to Emergency Responder Communication Enhancement Systems. IBC and IFC brought the requirements in 2015. Now it has a separate NFPA code of 1221. This presentation will highlight the definitions, code requirements, UL requirements, different components and future testing requirements of the ERCES system.

3:00 – 4:00 PM

Best Practice Lightning and Surge Protection per IEC 62305:2010

Mark Hendricks, Technical Director - DEHN, Inc., Fort Pierce, FL

Steven Weber, Senior Engineer - DEHN, Inc., Fort Pierce, FL

Session Summary: This session will present a detailed look at the IEC 62305:2010 suite of lightning protection standards focusing on a comprehensive approach to assure external lightning protection methods are applied, along with proper electrical surge protection measures as identified

Facility Engineering/Contractors Sessions

2:00 - 3:00 PM

Construction in Health Care: Mitigating the Risks (1 CILB CEU submitted) (Suitable for ASHE 1 CEU)

Tony Echazabal, CHFM, CHSP, Director Facilities Eng., Corporate Safety Officer

Cleveland Clinic Martin Health, Stuart, FL

Session Summary: This interactive session first provides insight on what risk to be aware of and provides case studies on how to apply mitigation tools throughout the construction process. Additionally, answering the questions, "who's on first" and "when is the project truly complete", are fundamentally necessary when building a program.

3:00 – 4:00 PM

Considerations for Designing and Operating Building Water Systems According to Recently Updated ASHRAE Guideline 12-2020

(1 CILB CEU submitted) (Suitable for ASHE 1 CEU)

Jennifer L. Schmidt, Water Safety Consultant Healthcare – Florida - Ecolab, Maitland, FL

Everett C. Phillips, Ph.D., Water Safety Marketing Manager Institutional - Ecolab, Naperville, IL

Session Summary: This session will review operational best practices outlined in ANSI/ASHRAE Guideline 12-2020 (released in May) that should be included in your facility Water Management Program (per ANSI/ASHRAE Standard 188-2018 Legionellosis Risk Management for Building Water Systems).

Fire Safety Sessions

2:00 - 3:00 PM

How NFPA-70E Best Practices, Affects NFPA 99 Requirements

Martin R. Perrone, Director of Electrical Safety & Code Compliance - Carpenter Electric, Inc. TEGG Service

Joseph D. Gierlach, Jr., Vice President of Technical Training & Support - ABM Franchising Group - TEGG

Session Summary: This course demonstrates the correlation between electrical safety requirements and how they apply to *NFPA 99*, Health Care Facilities Code, including; Chapter 4 Fundamentals, Chapter 6 Electrical Systems maintenance, testing.

3:00 – 4:00 PM

Future Proof Sustainability Into The Design

Kelly Mason, Director of Healthcare Partnerships - Specified Technologies Inc., Somerville, NJ

Gene Markievich, Healthcare Regional Manager - Specified Technologies Inc., Somerville, NJ

Session Summary: The objective of this presentation is to provide a clear perspective of sustainable options pertaining to the life safety aspect of the design. We will discuss assemblies for fire rated barriers that will provide the owner a sustainable process for managing these barriers after the build.

The AHCA Seminar and Expo will end at 4:00 PM on Tuesday, October 19, 2021