



The Pennsylvania Society for Health Facility Engineering

2022 Spring Conference & Technical Exhibition
Red Lion Inn, Harrisburg, PA

Thursday April 21 Agenda

8:00 *Registration*

8:15 to 4:00 ***ICRA Best Practices Presentation***

Training Overview: Infection Prevention Training for Maintenance, Construction and Renovation: The Infection Control Risk Assessment (ICRA) will be discussed and how to determine what the requirements are to contain work areas and protect patients, visitors and staff when maintenance or renovations are being performed. The course covers Infection Control, Chain of Infection, ICRA Responsibilities, ICRA Levels, Procedures and Practices, Communication and Documentation, and Consequences.

Training provided by the Eastern Atlantic States Regional Council of Carpenters ICRA Team. Instructors will be Brian Pomeroy, Gary Ford, Brian Tamburro, and Sam Noel.

8:15 *Introduction - Brian Pomeroy*

Awareness, Environment, Professionalism Brian Tamburro and Gary Ford

10:15 *Break*

Risk Evaluation, Documentation, Fire Control, ICRA Permit Sam Noel and Brian Pomeroy

11:15 – 12:30 *Lunch*

Breakouts Group Build, ICRA Permit and Equipment

2:00 *Break*

Breakouts Group Build, ICRA Permit and Equipment

4:00 *Wrap up*

6:00 ***Public Board Meeting:*** *The PSHFE Board of Directors will highlight plans for the year and seek input on from attendees.*

6:15 to 8:00 ***Reception and Vendor Show***

Friday April 22 Agenda

7:00 Registration and Breakfast, Vendor Exhibits Open

7:55 Opening Remarks and Welcome

8:00 **LEAN Methods in Healthcare Construction**

Join us to hear how implementing Lean construction techniques can help to manage and hand over projects more successfully. Speakers: Keith Sunderman, Penn State University; Emily Lowe, Dan Flickinger and Chase Vilga, Alexander Building Construction; Craig Melograno, PDM Constructors. Moderated by Emily Lowe, Butz Family of Companies, Alexander Building Construction (Enterprise Lean Champion)

8:45 **Prefabrication in Healthcare – Panel Discussion**

Listen as this group of industry experts discusses the benefits and challenges of implementing prefabrication in complex projects. Panel Discussion: Keith Sunderman, Penn State University; Greg Stackel, HKS Architects; Quaid Spearing, Barton Malow Builders; Fred Marr, WSP; Craig Melograno, PDM Constructors; Jay Strausbaugh, McClure Company. Moderated by Emily Lowe, Alexander Building Construction. Moderated by Emily Lowe, Butz Family of Companies, Alexander Building Construction (Enterprise Lean Champion)

10:00 Break

10:30 **NFPA Code Review** Lennon Peake, Koffel Compliance

10:45 **Retro commissioning at UPMC Northwest**

Drew Chidester, Senior Director, Energy and Environment Engineering Department, UPMC, and Matthew Rooke, PE, BCxP, Manager of Commissioning Services, Envinity

11:45 **PSHFE Business Meeting, Sauerman Award Presentation**

12:00 **Lunch and Vendor Show**

1:15 **NFPA Code Review** Lennon Peake, Koffel Compliance

1:30 **Elevators: Code Requirements, Assessments, & Modernization**

Suzanne Sieber, Elevator Management Services

2:15 Break

2:30 **PA Department of Health Updates (Look into recording these 2 sessions if we use Teams)**

2:30 – 3:15 Charlie Schlegel, Director, Division of Safety Inspection (DSI), Pennsylvania Department of Health

3:15 – 4:00 Garrison Gladfelter, Chief, Division of Acute and Ambulatory Care (DAAC), Pennsylvania Department of Health

4:00 Closing Remarks

Speaker Biographies and Presentation Summaries:

Infection Prevention Training for Maintenance, Construction and Renovation:

Training provided by the Eastern Atlantic States Regional Council of Carpenters ICRA Team. Instructors will be Brian Pomeroy, Gary Ford, Brian Tamburro, and Sam Noel.

Brian E Pomeroy is a second-generation Union Carpenter, with 32 years in the Carpenters Union. His son, Zachary is currently a Carpenter Apprentice. Brian worked as a Foreman on several Hospital renovation projects. He started as a Council Representative in 2007. In 2009, he got involved with UBCs ICRA Best Practices. Brian lives with his wife Tanya and family in Dauphin Pa.

Brian Tamburro is a 2008 Graduate of Rutgers University: BA Political Science and Labor Relations. In 2012, he was the Valedictorian of the Carpenters JATC, Lebanon, PA. Brian is a 15-year member of the Carpenters Union (current local 167) and has 10 years in healthcare construction with a local General Contractor. He has 4 years as a Council Representative with the Eastern Atlantic States Regional Council ICRA team. Brian resides in West Reading Pa with his dog, Yogi.

Gary Ford has been a Union Carpenter for 34 years. He served a 4-year Apprenticeship in the late 80's, became a Journeyman carpenter in 1991, worked as a Foreman, Project Manager and an Instructor for the United Brotherhood of Carpenters and Joiners of America (UBC) JATC from 2006 to 2010. Gary is currently the President of Carpenters Local Union 445 of Northeastern Pennsylvania for the past 13 years and a Council Representative for the Eastern Atlantic States Regional Council of Carpenters for the past 12 years. He has resided in South Abington Twp. for the past 23 years. Gary is married to his wife Tina for 25 years this August and they have one daughter, Alexa, that is a Freshman at The University of the Arts of Philadelphia.

Sam Noel spent 4 years in the Marine Corps and rose to the rank of Sergeant in just two years. He then entered into an apprenticeship program with the Carpenters Union. Sam has been a Shop Steward and spent 19 years now in the Carpenters Union. After 10 years, he was appointed Organizer then Council Representative to the Union. He was elected Financial Secretary for local 626 and Delegate; Financial Secretary for Local 173; Delegate for Local 173; and is currently Delegate for Local 255. Sam was also appointed to the Delaware Write-to-Work Board and is a political lead for Delaware. In 2017, he was elected on the 28 District Committee. In 2018, he was elected to chair that committee where he currently still holds the office. Sam does all job fairs for the New Castle team room. He was appointed ICRA lead for Delaware and the eastern shore of Maryland. Sam is a mentor for northern Delaware apprentice; was appointed CO chair of P2A Advisory Board, and appointed Trustee on JAC Apprenticeship board.

Presentation Summary: The Infection Control Risk Assessment (ICRA) will be discussed and how to determine what the requirements are to contain work areas and protect patients, visitors and staff when maintenance or renovations are being performed. The course covers Infection Control, Chain of Infection, ICRA Responsibilities, ICRA Levels, Procedures and Practices, Communication and Documentation, and Consequences.

LEAN Methods in Healthcare Construction

Speakers:

Emily Lowe, Butz Family of Companies, Alexander Building Construction (Enterprise Lean Champion)

Dan Flickinger, Butz Family of Companies, Alexander Building Construction (Project Executive)

Chase Vilga, Butz Family of Companies, Alexander Building Construction (Sr. Project Engineer)

Keith Sunderman, Penn State University (Project Director)

Craig Melograno, PDM Constructors (President and Owner)

Presentation Summary: Join us as we take a look at the tenants of Lean Construction and how they contribute to an improved method of project delivery. This presentation will highlight several Lean tools and techniques that were implemented on recent projects, increasing communication and collaborative efforts across the project team. We will highlight prefabrication as a valuable Lean technique and its current impact on the construction industry.

Prefabrication in Healthcare – Panel Discussion

Panelists:

Keith Sunderman, Penn State University (Project Director)

Greg Stackel, HKS (Principal and Sr. Project Manager)

Craig Melograno, PDM Constructors (President and Owner)

Fred Marr, WSP (Vice President)

Quaid Spearing, Barton Malow Builders (Project Manager)

Jay Strausbaugh, McClure Company (VDC Lead)

Moderator: Emily Lowe, Butz Family of Companies (Enterprise Lean Champion)

Presentation Summary: In this session, you'll hear from industry professionals representing the Owner, Architect, Consultants, Construction Manager and Trade Experts as they discuss the value of prefabrication in the industry, and their relational experience within the Penn State Health Lancaster Medical Center project. Some discussion topics will include advantages and challenges of prefabrication, when to begin thinking about prefabrication on a project, when to establish project energy and physical plant goals and engage key stakeholders, and what other Lean tools are beneficial to prefabrication efforts

NFPA Code Review

Lennon Peake, P.E, SASHE, Koffel Associates. Lennon Peake is the Director at Koffel Compliance, a fire protection engineering and code consulting firm headquartered in Columbia, Maryland. He has extensive experience in health care occupancy code requirements and CMS and Joint Commission licensure and accreditation surveys. He serves on the ASHE Regulatory Affairs and Member Tools Task Force committees, is subject matter expert for Just Ask ASHE and serves on several NFPA technical committees including the NFPA 101 Technical Committee on Health Care Occupancies.

Retro commissioning at UPMC Northwest

Drew Chidester, Senior Director, Energy and Environmental Engineering Department. UPMC. Drew brings more than 30 years of design and operating experience to his position with UPMC. UPMC is a \$23 billion integrated global health enterprise with 92,000 employees consisting of 40 hospitals, a 3.8-million-member health insurance division as well as commercial and international ventures headquartered in Pittsburgh, Pennsylvania. Under Mr. Chidester's leadership, the Energy and Environmental Engineering Department at

UPMC was established to reduce the energy spend and carbon footprint in all the System's over 800 clinical facilities. The Department has implemented over 20 million dollars' worth of improvements and continues to develop and apply strategies to reduce consumption. Mr. Chidester and his team coordinate and oversee energy and environmental engineering operations for over 20 million square feet of clinical and support floor space. Its support of environmental initiatives has earned UPMC the Hospital Association of Pennsylvania's Achievement Award and the State's "Governors Award". Drew's experience and accomplishments extend beyond his work at UPMC. He has worked with the University of Pittsburgh as well as Robert Morris and Duquesne Universities, developing and teaching classes in the engineering and environmental fields. He and his team have worked closely with the DOE as a member of the Better Building Alliance. Mr. Chidester received a BS in Civil Engineering from Penn State University

Matthew Rooke, PE, BCxP, is Manager of Commissioning Services for Envinity. Matt leads Envinity's Commissioning Team and is involved in all aspects of commissioning project management and field work. Matt has over 15 years of experience working in energy modeling, energy planning and commissioning. He has specialized in complex building types including healthcare facilities, laboratories, and central plants with a focus on compliance & energy performance optimization and control. He has performed a significant number of projects in existing facilities and has expertise in integrating with and improving existing building systems.

Presentation Summary: A close collaboration between owner operations team and consultant is essential to a successful hospital deep energy retrofit. From 2017 - 2021, an owner-consultant team developed and implemented a strategic Energy Management Plan with a 5-year payback for UPMC Northwest in Seneca, PA that addressed operational and plant capacity issues, reduced energy costs by over 20%, and elevated an average-performing hospital to an Energy Star facility. This presentation by owner and consultant will consider the case-study of UPMC Northwest and discuss key take-aways on project types that delivered the best value and the project approach that centered local facility knowledge and generated the buy-in necessary to execute a successful project with benefits beyond energy savings. Project types to be discussed include lighting upgrades, retro-commissioning, chiller plant optimization, pump VFD retrofits, airflow optimization and unoccupied modes, and air system re-balancing. Finally, we will discuss the value of leveraging building data for issue diagnostics, measurement & verification, and performance maintenance.

Elevators: Code Requirements, Assessments, & Modernization

Suzanne Sieber, President, Elevator Inspector, Elevator Consultant, Elevator Management Services. After working in the elevator industry for 21 years with Otis Elevator Company, Suzanne established Elevator Management Services in 2007. Suzanne has extensive technical elevator training through academic and field work. A certified Qualified Elevator Inspector, Suzanne also possesses a Bachelor of Science in Electrical Engineering from Pennsylvania State University and an M.B.A. from Carnegie Mellon University. In 2018, Governor Tom Wolfe appointed Suzanne to the newly created Pennsylvania Elevator Safety Board. The Board arbitrates variance requests and is developing a new elevator code for Pennsylvania. She has a wealth of experience assessing elevator maintenance and writing modernization specifications, having negotiated and managed hundreds of elevator contracts. Her expertise includes:

- ensuring that elevators are code-compliant;*
- guaranteeing that elevator maintenance is completed as specified;*

- *analyzing existing equipment, and retaining equipment that is reliable and covered by the maintenance contract;*
- *specifying the most advanced, proven technology for replacement equipment;*
- *negotiating contracts; and*
- *coordinating project supervision with building management.*

Presentation Summary: Assessing Risks in Elevator Systems and the Need to Modernize

- Hydraulic Cylinder Replacement
- Obsolescence
- Drives
- Controllers
- Door Operators
- Machines
- Safeties
- ADA Compliance
- Fire Service Compliance

PA Department of Health Updates

Garrison Gladfelter Jr. has a Bachelor of Science Degree in Education majoring in Secondary Social Studies and Criminology. He is the Chief of the Division of Acute and Ambulatory Care with the Bureau of Facility Licensure and Certification, Pennsylvania Department of Health. Before coming to DAAC he worked for the Bureau Drug and Alcohol Programs. During his tenure with BDAP he represented the Commonwealth on numerous National Association Boards and Federal Workgroups. In 2012 Garrison received the National Prevention Network's Ketty Award for the NPN representative who has made outstanding contributions in the field of prevention. Prior to coming to work for state government Garrison worked for a community substance abuse provider in York, PA. He is a lifetime resident of York County where he resides with his wife. Mr. Gladfelter has three adult daughters and one granddaughter.

Charlie Schlegel is the Life Safety Code Administrator for the Division of Safety Inspection. He has over 10 years of experience in the health care safety inspection arena, working in private industry as well as state government. Within the Department of Health, Charlie has worked as a safety inspector, a health facility plan reviewer, and a health facility safety inspection manager. In addition to this, he has previously worked as a safety officer for a hospital system. Charlie is currently responsible for all Life Safety Code inspections and plan reviews for 2,000 health care facilities throughout Pennsylvania.