



Association for Professionals in Infection Control and Epidemiology Presents:

Construction and Environmental Infection Control Hot Topics

Dust Off Your Skills and Build Up Your Knowledge

8:00 am - 4:30 pm, November 1, 2019

Oregon Medical Education Foundation Event Center, Portland, OR

Overview

Increasingly, infection prevention is an important component to include in the design and construction phases of healthcare facilities. The multidisciplinary construction team works together to identify specific materials, strategies and designs to mitigate potential risks. The goal of this work is to protect patients and healthcare workers from environmental pathogens. Preparing for these tasks requires the team to be familiar with the heating, ventilation, air conditioning (HVAC) system, water systems and plumbing options, containment barriers and equipment to monitor effectiveness of barriers for construction or renovation.

Objectives

- Describe the role of the multi-disciplinary team during design and construction in healthcare facilities.
- Review current recommendations and standards for best practices for containment of waterborne and environmental pathogens.

Who Should Attend

Infection preventionists, facilities-engineers, construction and design planners

Location

Oregon Medical Education
Foundation Event Center (Near I-5
and I-217)
11740 SW 68th Parkway, Ste 100
Portland, OR 97223

Free event parking

Continuing Education Credits

CE's Provided by Legacy Health Clinical Practice Support, Provider approved by the California Board of Registered Nursing, Provider Nursing Number CEP 8749 for **4.55** contact hours. Must complete course to receive CE certificate.

CHFM or CFM designations will receive 5.5 contact hours certificate

Registration Fee*

\$55 for chapter members/students

(In the Eventbrite registration, please enter your APIC ID# in the promo code to receive your discount)

\$65 for non-members

*Does not include Eventbrite registration fee.

*Fee includes continental breakfast and buffet lunch.

Registration

You may register one of two ways:

1. **Electronically at:** [Participant Registration](#)
2. **If unable to register electronically please contact Yoojin Kim or Judy Webber (Contact information below.)**

Cancellations

In order to receive a refund, cancellations must be made by **October 4, 2019**.

Questions? Contact:

Yoojin Kim, PhD, CIC
503-494-6694
kimyo@ohsu.edu

Judy Webber, MAM, BAN, RN, CIC
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Keynote Speakers:

Frank E. Myers, III, M.A., CIC, FAPIC

Assistant Director Infection Prevention and Clinical Epidemiology

UC San Diego Health



Frank Myers has worked in infection prevention and control for over 25 years, 20 of them in acute care. He has consulted and lectured nationally and internationally on both inpatient and ambulatory infection prevention issues. He has authored over 35 papers on infection prevention topics as diverse as endoscopy standards, NHSN SSI SIR interpretations, *Clostridium difficile*, and hand hygiene.

Frank is an active APIC, SHEA and AAMI member and has served in many capacities at the local and national levels. He was a contributing member on AAMI ST79 (steam sterilization) and AAMI ST91 (endoscope reprocessing). In addition he was awarded the Infection Control Educator of the Year in 2009. He has been a faculty member for APIC's ASC infection prevention classes and co-chair and instructor of California's Foundations course for new infection preventionists. He notes he still answers email questions from infection preventionists that took his courses decades ago. Mr. Myers enjoys mixing his real life experiences with his knowledge of the standards and his unique sense of humor.

Janet E. Stout, PhD

President and Director of Special Pathogens Laboratory, and Research Associate Professor at the University of Pittsburgh Swanson School of Engineering in the Department of Civil and Environmental Engineering



A clinical and environmental microbiologist, Dr. Stout is recognized worldwide for more than 30 years of pioneering research in *Legionella*. Her expertise includes disinfection and control strategies for the prevention of Legionnaires' disease and other waterborne pathogens. She is credited as the first to demonstrate the link between Legionnaires' disease and the presence of *Legionella* in hospital water systems. Her seminal discovery in 1982, shifted the focus from cooling towers to water distribution systems as the primary source for Legionnaires' disease. This changed the direction of research and expanded the water treatment industry's approach to controlling *Legionella*. Since then, Dr. Stout has evaluated every major *Legionella* disinfection technology used today. An advocate for prevention, Dr. Stout was instrumental in developing the first U.S. prevention strategy for hospital-acquired Legionnaires' disease in 1993; later adopted by the Veteran's Health Administration and others. The guideline continues to serve as a national model for *Legionella* prevention.

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Rotation Station Presenters:



Carmen T. Cortes-Ramos, MT(ASCP), SM, CIC

Ms. Cortes-Ramos is an Infection Preventionist at Oregon Health and Science University since 2014. She specializes in Environment of Care, with an emphasis on construction, renovation, ventilation, and water management. Her previous assignments over her 9 years as an Infection Preventionist include the following services: Adult Trauma and Burn services, Pediatrics, Mother Baby, Ambulatory and Regulatory/compliance specific to infection control. Prior to transitioning into Infection Prevention and Control, she was a Clinical Microbiologist for 25 years in the healthcare and aerospace industries.



Jason Lord, CHST

Mr. Lord has over 20 years of experience in the construction industry with over 10 years specific to healthcare construction. He possesses extensive knowledge of ICRA and engineering controls used to mitigate dust in healthcare construction projects. He is a subject matter expert for pre-construction risk assessment, Fire and Life Safety codes, and regulatory compliance to building and healthcare codes. He is completing his Bachelor's degree in Occupational Safety and Health and holds the following certifications: Construction Health and Safety Technician (CHST), ICC building inspector, AHERA inspector, and Fire Life Safety Plans Examiner.



Bruce N. McLean, MBA, CHSP, CPSI

Mr. McLean joined Salem Health in July of 2016. He was raised in Northern Utah and earned a Bachelor of Science in Public Health/Industrial Hygiene from Utah State University with minors in chemistry and Japanese. He holds an MBA from Western Governors University.

Bruce gained practical experience with clean room air sampling while working as an industrial hygienist for National Semiconductor and then Hynix Semiconductor over a 10 year period. He has been involved in the construction, commissioning and operation of a billion dollar semiconductor manufacturing facility. Bruce also worked for twelve years as a civilian for the U.S. government in Japan.

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Rotation Station Presenters:



Judy Webber, MAM, BAN, RN, CIC

Ms. Webber is a registered nurse with over 35 years of healthcare experience and has worked in the field of infection prevention and control and quality since 2002. She holds a bachelor's degree in nursing, a master's degree in management and has been board certified in Infection Control and Epidemiology since 2004. Her broad clinical experience comes from a variety of acute care areas including the operating room, emergency department, intensive care settings and clinical education. As an active member of the local APIC chapter, Judy was chapter president in 2013 and is currently an elected member of the board of directors and chapter bylaws chairperson. Between May of 2014 and March 2015, Judy participated in the Infection Prevention Fellowship offered through the American Hospital Association and the Health Education Research Trust. Judy has a comprehensive understanding of the vulnerable patient populations and the complex processes seen in today's healthcare setting. She has worked closely with her facilities engineering partners to ensure safety for patients and employees during construction and renovation projects. Judy enjoys mentoring new Infection Preventionist and shares her expertise with enthusiasm.



Andrew Flanagan, PE, LEED AP, GPD

Mr. Flanagan is a senior mechanical engineer with a focus on hydronic and plumbing system design. Drawing from his 15 years of engineering and project management experience, he delivers engineering solutions to create sustainable and efficient facilities, reducing dependence on natural resources while creating healthier environments. Andrew is a dedicated mentor at Interface and he has built and leads a strong plumbing group. He earned his Green Plumbing Designer certification through the American Society of Plumbing Engineers and continues to serve on their Portland Chapter Board.



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Agenda:

8:00 am – 8:30 am	Registration, Continental Breakfast, Vendor Exhibits
8:30 am – 8:50 am	Chapter President's Welcome— <i>Susan Diskin, BSN, RN, CIC</i> Information from Platinum Sponsor — <i>Pacific Northwest Regional Council of Carpenters</i>
8:50 am—9:40 am	Title: Ending Legionnaires' Disease: An Audacious or Attainable Goal? Speaker: <i>Janet E. Stout, PhD</i>
9:45 am – 11:45 am**	Title: Design and Construction in Healthcare Facilities
**10:45-10:55 Break	Speaker: <i>Frank Myers, III, MA, CIC, FAPIC</i>
11:45 am — 1 pm	Vendor Exhibits ** Lunch service starts at 12:15 pm
**12:15	
1:00 pm – 2:25 pm	Rotate Stations: Interactive Demonstrations**
2:25 pm—3:00 pm	Break: Vendor Exhibits
3:00 pm—3:55 pm	Rotate Stations: Interactive Demonstrations** (Cont'd)
3:55 pm—4:15 pm	Wrap-up, Prize Drawings, Evaluations, Continuing Education Certificates

**In the afternoon, five groups (each composed of approximately 10 –15 participants) will rotate through 5 different stations. Each group will have 25 minutes at each station. The topics covered are:

- Infection Control Risk Assessment (ICRA)
- Alternate engineering controls for dust mitigation in healthcare
- Particle counters and moisture meters
- Construction containment and barriers
- Plumbing fixtures and parts