



52nd Health Facilities Planning Seminar

Amway Grand Plaza Hotel • March 28 - 29, 2019

**LARA and AIA Michigan invite you to attend the
52nd Annual Health Facilities Planning Seminar!**

Thursday, March 28 – Friday, March 29, 2019

**Amway Grand Plaza Hotel
187 Monroe Ave NW, Grand Rapids, MI 49503**

PURPOSE

The Health Facilities Planning Seminar is held each year to provide architects, engineers, healthcare executives and other interested professionals with the latest available information which will assist them in planning, designing, constructing and maintaining health facilities.

WHO SHOULD ATTEND

The seminar is ideal for all who are concerned with the implications of evolving healthcare technology upon facilities as they plan, design, construct, administer or maintain.

REGISTRATION

Please make reservations at the earliest possible date, as the enrollment will be limited. The registration fee is \$350 for early registration. THE FEE IS \$425 IF PAYMENT IS RECEIVED AFTER MARCH 2, 2019. No registration fee refunds after that date. A \$25.00 handling fee will be applied for all refunds.

All arrangements for lodging should be made by the individuals attending. The hotel is the Amway Grand Plaza Hotel in Grand Rapids, Michigan. Your registration fee includes breakfast and lunch for March 28 and 29. Please be sure to state you are with AIA Michigan Health Facilities Conference.

Hotel Registration Telephone: (800) 253-3590



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Thursday, March 28, 2019

MORNING SESSION

7:15 Breakfast

Moderator: Staci Bakkegard

8:15 Welcome – AIA / HFES

Jim Scott & Kristen Nyht, AIA, AIA Michigan President

8:30 Progress in Cancer Research and Care

Dr. Eric Fearon MD, PhD

- The genetic origins of cancer
- Targeted therapies and immune-oncology
- Opportunities for further major impact in cancer treatment and quality of life

9:30 Under Pressure: Looking for Answers Through Workplace Design

Margaret Gilchrist Serrato, PhD, MBA, AIA

- Learn how companies are using workplace design to address the pressures of today's highly competitive marketplace.
- Solutions to the pressures of space utilization, innovation, and employee engagement.
- Offers suggestions for managing change as companies address these pressures Anticipating the future of medicine.

10:30 Break

10:45 Myths and Realities Related to the Role of the Built Environment in Infection Prevention

Paula Wright, RN, BSN, CIC

- Describe how the built environment can contribute to the infection transmission.
- Describe evidence-based design strategies that may help to decrease the risk of infection transmission.
- Review myths that should be avoided in making infection prevention decisions.

11:45 Lunch



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AFTERNOON SESSION

Moderator: Karl Kowalske

12:45 Balancing Healthcare - A Social-Technical System “Off Kilter”

Dr. Elizabeth Warner, MD, FACP, CPE

- Explore the concept of polarity thinking and consider the social and technical polar aspects of the American healthcare system.
- Evaluate the consequences of a healthcare system out of balance.
- Develop ideas for improving and strengthening the healthcare system, for individuals and organizations

1:45 Lean Facility Design for Clinical Pathology

Brendon Weil, MBA

- Lean Facility Design process followed at Michigan Medicine.
- Direct application of those tools for Clinical Pathology.
- Review of the resulting state-of-the-art facility and post-activation metrics supporting use of Lean Facility Design tools.

2:45 Break

3:00 “The Building Will See You Now”, The Healing Power of Indoor Air

Dr. Stephanie Taylor, MD, MArch

- Health is our number one resource, yet codes focus on regulating energy and averting catastrophic events
- New studies show the relationship between indoor air quality and occupant health
- Learn how to support occupant health through building design and indoor air management

4:00 Joint Commission Discussion, Ligature Risk and Suicide

Susan McLaughlin, FASHE, CHFM, CHSP

- Review of the healthcare regulatory environment.
- Accreditation and associated codes.
- Code editions - why are they important?
- Requirements of the accrediting bodies.

5:00 Social Hour



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Friday, March 29, 2019

MORNING SESSION

7:30 Breakfast

Moderator: Rob Gruesbeck

8:30 Neuroscience Presentation

Dr. Eve Edelstein, M.Arch, PhD., EDAC, Assoc. AIA, F-AAA

- Learn about the emerging field of Neuro-Architecture.
- Learn how research can be translated into brain-based design principles
- See how science has been applied to healthcare design solutions.

9:30 Isolated Power Systems: Theory, Design, Code and Applications

Scott Mustian

- What is isolated power
- Where should it be installed and why
- Codes and standards
- Typical configurations available

10:30 Break

10:45 Architecture That Heals

Amie Shao, LEED

- Discuss projects designed by MASS Design Group, an international non-profit architecture studio, designing and building for health in Africa
- Learn from MASS's unique model of practice and lo-fab approach
- Gain insights and lessons applicable to the US context

11:45 Box Lunches / Working Lunch

AFTERNOON SESSION

Moderator: Andrea Humphrey

12:00 Rules Update

Fire Safety Rules Update Brian Williams

New Healthcare Licensing Rules Laura Remus REHS



Speaker Biographies

Eric R. Fearon, M.D., Ph.D. Since 1995, Dr. Eric Fearon has served as the Emanuel N. Maisel Professor of Oncology. Dr. Fearon was appointed in 1995 as the Associate Director for Basic Science Research at the University of Michigan Comprehensive Cancer Center (UMCCC), and he was appointed as Director of the UMCCC in 2016. The UMCCC was renamed the University of Michigan Rogel Cancer Center in 2018. Dr. Fearon received his undergraduate, medical, and PhD degrees from Johns Hopkins University. Prior to joining the faculty at the University of Michigan, he was a faculty member at Yale University School of Medicine. He holds the title of Professor in the Departments of Internal Medicine, Human Genetics, and Pathology at the University of Michigan Medical School. Dr. Fearon has authored more than 145 peer-reviewed research manuscripts and more than 60 review/editorial articles and book chapters. He has pursued research in the cancer genetics field, particularly investigations of gene defects that underlie colon and rectal tumor development and progression to advanced stages. He has served on the editorial boards of various journals in the cancer biology and human genetics fields and currently is an editorial board member or editor for seven journals. In addition, he has served as a member or chair of various National Institutes of Health (NIH) and National Cancer Institute advisory groups and grant review committees, including the Panel to Investigate the NIH Investment in Gene Therapy, the National Cancer Institute Board of Scientific Advisors, and the NIH Pathology B and Cancer Genetics Study Sections, as well as the Cancer Prevention and Research Institute of Texas Cell Biology review panel. Dr. Fearon's honors include election to the American Society for Clinical Investigation (where he served as Vice President, President-Elect, and President), the Association of American Physicians, the Johns Hopkins University Society of Scholars, and the National Academy of Medicine.

Margaret Gilchrist Serrato, PhD, MBA, AIA With over twenty-five years of research and design experience, Margaret Gilchrist Serrato has a special focus on creating high-performance working and learning environments. Margaret's education in architecture, interior design and environmental psychology, enhanced by an MBA and a PhD in architecture, culture and behavior enables her to provide comprehensive and dynamic strategic planning for a wide range of clients. Her specialty is alternate workplace strategic planning. Margaret's professional design experience includes ten years at Lord, Aeck & Sargent, where she was a Senior Architect & Interior Designer, followed by five years at tvsdesign where she was an Associate Principal in the corporate workplace studio. Her publications include a co-authored chapter on Post Occupancy Evaluation in "The Architect's Handbook of Professional Practice", a co-authored chapter on Supporting Work Team Effectiveness in "Facility Design for High-Performance Teams", as well as articles on high-performance workplace design in the Atlanta Journal & Constitution, the Atlanta Business Chronicle, CoreNet Leader, Business to Business, Tradeline, and Architectural Products magazine. Raised in Georgia, Margaret holds degrees from Brenau University, the University of Georgia, the Georgia Institute of Technology and the City University of New York. She also completed a Strategic Facility Planning program at Harvard University and is a LEED Accredited Professional. Her teaching experience includes Converse College, the University of Georgia, and Brenau University where she currently teaches the capstone studio in Interior Design.



Speaker Biographies

Paula Wright, RN, BSN, CIC a graduate of Laboure College and Worcester State College is a registered nurse with over 40 years of experience in hospital nursing. Ms. Wright has been working in Infection Prevention and Control for over 20 years and has maintained Certification in Infection Control since 1996. She was the Coordinator of the Infection Control Program at Massachusetts Eye and Ears Infirmary for 8 years and the Director of the Infection Control Program for Massachusetts General Hospital (MGH) for 10 years with responsibility for oversight of the program across all MGH sites. She supervised a department of 8 staff including 5 certified Infection Preventionists. She has recently changed roles and is now a Project Manager within the Infection Control Department at MGH focusing on infection prevention projects such as prevention of central line-associated bloodstream infections, catheter-associated urinary tract infections and efforts to improve cleaning and disinfection of the patient care environment. In addition, she is the primary member of the IC team responsible for completing Infection Control Risk Assessments for construction and renovation projects at MGH and was a member of the 2014 FGI Healthcare Guidelines Revisions Committee.

Dr. Elizabeth Warner, MD, FACP, CPE received her Medical Doctorate from Michigan State University, College of Human Medicine, with AOA designation, and is board-certified Internal Medicine physician. She has served clinically in ambulatory primary care, post-acute geriatric care and hospital-based palliative care. She developed her leadership skills as Primary Care Medical Director, and as System Medical Director of Continuous Improvement Support for Bronson Healthcare Group. She served as the internal executive and leader coach and lead trainer for her health system's management system implementation. In 2017, she founded Warner Well Being LLC, to accelerate change efforts and to empower learners to embrace lean thinking and transform medical care systems to be sustainable, consistent, and effective for all.

Dr. Elizabeth Warner has a unique blend of experience, lean knowledge and curiosity anchored in the professional principles of medicine and the Shingo principles of operational excellence. Through inspirational speaking, authentic coaching, and customized training, she propels individuals and organizations forward on their transformational journeys.

Bredon Weil, MBA Certified Six Sigma Black Belt and Lean Coach is the Assistant Director for Facilities Planning and Development for the University of Michigan Hospitals and Health System (UMHS), a traditional US News Week Top 25 hospital consisting of 1,000 Med Surg beds and over \$3.0 billion in annual revenue. In this role he has oversight for all aspects of (Lean) Facility Design Planning, Coordination and Activation on projects across the institution. Brendon has over 15 years of experience in Healthcare Quality/Performance Improvement, Clinical Safety and Facilities Management. Joining UMHS over 10 years ago, he has progressively advanced in leadership roles focusing in the Clinical Quality, Delivery and Facility Planning sectors. In addition, for the last 8 years, Brendon has been a professional instructor within the University of Michigan, College of Engineering's Lean Healthcare program. When not teaching Lean Thinking and overseeing the development of efficient space designs for the institution, Brendon can be found coaching his daughters on the softball diamond and spending time with his family.



Speaker Biographies

Dr. Stephanie Taylor, MD, MArch received her MD from Harvard Medical School, Boston, Massachusetts in 1984. For the next several decades, she practiced clinical medicine and did academic research. Determined to gain a better understanding of the impact of the built environment on patient wellbeing, she returned to school and obtained her Master's Degree in Architecture from Norwich University in Northfield, Vermont. After working for several years in a healthcare architecture firm, she founded Taylor Healthcare Commissioning in order to focus on designing, building and maintaining hospitals. Dr. Taylor has designed hospitals globally, from the United States to Papua New Guinea to Vietnam. In addition to her Taylor Healthcare Consulting work, she is a member of the Harvard Medical School Incite Health Fellowship. Dr. Taylor writes a monthly column and bi-annual feature articles for Engineered Systems Magazine and healthcare journals. She is an active member of ASHRAE, ASHE and other associations, and she is a Distinguished Lecturer for ASHRAE.

Susan McLaughlin, FASHE, CHFM, CHSP is the Chief Operating Officer and Managing Director of MSL Healthcare Consulting. She has 14 years of national consulting experience in the environment of care, emergency management, and life safety. She is a Fellow of the American Society for Healthcare Engineering (ASHE) of the American Hospital Association, and is a member of the ASHE Board of Directors. She is a nationally-known speaker in the field of healthcare safety, regulatory compliance, and emergency management, and has authored numerous articles and books on related topics.

Ms. McLaughlin represents ASHE as chair of the NFPA 99 technical committee on Emergency Management and Security and is a former chair of the NFPA Health Care Section Executive Board. She has served as an alternate, representing the Health Care Section, on the NFPA 1600 (Emergency Management & Business Continuity) technical committee, and a participant in numerous national working groups related to aspects of the environment of care and emergency management. Previous positions include Director of Safety and Compliance for ASHE, and Associate Director, Standards Interpretation, Environment of Care Standards, for The Joint Commission, where she served as Team Leader of the Standards Interpretation Group. She has also served as Director of Safety for Northwest Community Healthcare, Arlington Heights, IL, which included a 400 bed acute care hospital, a sub-acute nursing facility, an outpatient surgery center, three urgent care centers, and five medical office buildings. Ms. McLaughlin is a certified healthcare safety professional (CHSP), and a certified safety manager by the American Society of Safety Engineers. She is a medical technologist, registered with the American Society of Clinical Pathologists (ASCP), with a specialty in chemistry. Ms. McLaughlin received her Bachelor of Science degree in Medical Technology from Northern Illinois University, DeKalb, IL. She earned her Master of Business Administration degree from Keller Graduate School of Management, Chicago, IL.



Speaker Biographies

Dr. Eve Edelstein, M.Arch, PhD., EDAC, Assoc. AIA, F-AAA Dr. Eve Edelstein is research director of the Perkins+Will Human Experience Lab and the Gadget Lab, using advanced technologies to reveal how design measurably influences human experience, cognition, health and wellbeing. Dr. Edelstein uses a Neuro-Architectural process that combines design practice with clinical and research expertise, drawing on her degrees in neuroscience, architecture and anthropology. Dr. Edelstein is also co-founder of Clinicians for Design, an international group with clinical expertise, to inspire and accelerate the design of environments and systems that enrich the healthcare interface, and guide leadership to inform design through health research, education, and policy. Dr. Edelstein directs the DesignHealth Co-Laboratory, which brings together consulting experts in bio-sensors, wearable environmental trackers and advanced virtual reality systems to predict and demonstrate the interaction between place and people, as part of the AIA Design+Health Research Consortium. Eve also serves the Board of the Academy of Neuroscience for Architecture, and the International Academy of Design + Health.

Scott Mustian Scott is VP for Sales, Marketing and Service PG LifeLink since 2011. He has educated more than 300 Consulting Engineering Firms, Electrical Contractors and Hospitals on the code requirements, technology and typical design options for Isolated Power used in Hospitals and Surgery Centers. Previous experience includes VP International Sales for Taser International, Director International Sales Hill-Rom Company and Product Development Manager Whirlpool Corporation. He has an MBA from Indiana University and a BA in Finance from the University of Kentucky.

Amie Shao, LEED is a Principal at MASS Design Group, a global non-profit architecture studio. Amie directs MASS Design Group's research work, focusing on health infrastructure planning, design, and evaluation. She coordinated the production of National Health Infrastructure Standards for the Liberian Ministry of Health and has been involved in the design and evaluation of healthcare facilities in Haiti, Africa, and the United States. Amie has worked on projects with Cincinnati Children's Hospital, studying the spatial needs of children with Cerebral Palsy, and more recently with Ariadne Labs on the Impact of Design on Clinical Care in Childbirth. In addition to guiding community engagement for MASS's built projects, she has also managed a range of research initiatives funded by the Robert Wood Johnson Foundation, the Academy of Architecture for Health Foundation, The Atlantic Philanthropies, and the S. D. Bechtel Jr. Foundation, aimed at understanding the impact of the built environment on individual and community health, and creating tools to inform and guide designers, administrators, and policymakers. Amie received her Master of Architecture and a Certificate in Urban Policy & Planning from Princeton University.



Speaker Biographies

Brian Williams is a senior member of the Plan Review Division at the Michigan Bureau of Fire Services. He has been with Bureau for over 15 years as a plan reviewer. Brian is considered one of the bureau's leading technical experts with NFPA, especially NFPA 101, the Life Safety Code. Brian is responsible for handling high level technical and code related issues while overseeing plan review activity. He has served as the project lead on updating multiple fire safety rule sets and has proactively developed many new bureau procedures to ensure efficiencies. Currently Brian serves as the project lead on upgrading the plan review division's record management system and coordinating efforts with the BCC and HFES to transition the bureau to electronic plan submittals and reviews. Brian has a bachelor degree from the University of Michigan in Architecture. He is a Certified Fire Protection Specialist through NFPA and is a member of the Midwest Regional Work Group for ICC's Fire Code Action Committee.

Laura Remus, REHS is the Section Manager of the Environmental Health and Safety Section within the LARA Bureau of Community and Health Systems. Laura manages a newly created section of Sanitarians and Fire Inspectors that perform the food service, physical environment, emergency preparedness, and life safety code portions of surveys for Long Term Care facilities. Laura has been a Sanitarian with the State of Michigan since 2007, and also has previous experience as a Sanitarian in Local Public Health. She holds a bachelor's degree in Environmental Health and Safety Management from Ferris State University and is a Registered Environmental Health Specialist (REHS) with the National Environmental Health Association (NEHA).

2019 Health Facilities Planning Seminar Committee

Staci Bakkegard, CHC

Ronald A. Drake, P.E.

Douglas C. Hanna, AIA

Julia F. Herschelman, AIA

Andrea Humphrey

Dave Imesch

Ann Kenyon, AIA

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