

# Designing the Smart Hospital: Creating the Hospitals of the Future

A two-day, must-attend industry event focusing on how to improve patient care, remain at the forefront of innovative research, enable diagnosis, provide metrics and improve outcomes

January 20-22, 2016 • Dallas, TX



“An intelligent hospital is based on a combination of existing technologies that are designed, set up, and integrated to share data back and forth, and ultimately to provide an enhanced level of clinical information, to enable diagnosis, to monitor treatment, and to provide metrics to see how your hospital is performing.”

Paul Frisch, Associate Attending Medical Physics, Chief Biomedical Engineering, Memorial Sloan Kettering Cancer Center, President and CTO, Intelligent Hospital Association

## KEY TOPICS TO BE DISCUSSED:

- Planning technology for the future of care delivery
- How to maximize return on investment through Smart Hospital design
- The positive impact of a smart healthcare environment
- The Future of Smart Hospitals
- Addressing the concerns of cyber-security and patient safety in the digital world
- How smart health for high-risk patients improve patient outcomes, lower adverse events and reduce costs
- How technically training your staff can reduce medical errors and risk
- How to design a Smart Hospital
- How smart healthcare allows for better-informed patients therefore resulting in higher patient satisfaction
- How smart healthcare’s streamlined communication creates collaboration
- Understanding the value in building a Smart Hospital
- Information and communication technology in healthcare
- Providing enhanced clinical information to enable diagnosis, monitor treatment, provide metrics and improve outcomes

## SPONSORS INCLUDE:



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## CONTENT AND THEME:

While the country's population is aging, the cost of healthcare is on the rise. Providers and payers are seeking a change that will create better outcomes and quality of care at a lower cost. The solution to this growing problem is implementing smart healthcare technologies and designs into hospitals around the country.

ACI is excited to announce our upcoming conference on Smart Hospital Design taking place January 20-22, 2016. You will not want to miss this opportunity to learn from, and network with, representatives from organizations nationwide that are prepared to deliver superior service to a growing population into the future through the implementation of smart technology.

This conference will highlight and discuss a myriad of topics that are relevant to providing efficient patient care at a lower cost. Topics of interest that will be introduced and discussed are the benefits of the latest technology, how to architecturally design a smart hospital and why implementing smart systems give the patient more say over their care and how that leads to higher patient satisfaction. Understanding the importance of these variables, as well as others, will distinguish the positive impact that smart healthcare can have on hospital costs, employee efficiency and patient care.

Embrace this opportunity to network and learn from the top hospital executives and administrators as they speak on the development and success of their own facilities. Explore techniques to better equip your facility with the latest advancements in medical technology through real case studies, research findings and organizational models from smart hospitals. Register for this exclusive conference to learn from top industry leaders and innovators about designing and implementing a smart hospital.

## SPEAKERS INCLUDE:

**Kimberly N. Montague**, AIA, EDAC, LEED BD+C, Healthcare Knowledge & Insights Program Lead  
**Herman Miller Healthcare**

**Vincent Della Donna**, AIA, ACHA, Director, Healthcare  
**Gannett Fleming Architects and Engineers**

**Steve Langston**, AIA, ACHA, EDAC, LEED AP, Design Director  
**RLF | architecture-engineering-interior design**

**Susan O'Hara**, RN, BA, MPH, President  
**O'Hara HealthCare Consultants, LLC**

**Robin Clark**, Simulation Specialist / Analyst  
**QMT Group**

**Joe Longo**, Vice President of Information Technology  
**Parkland Hospital**

**Jason Keeler**, Executive Vice President and Chief Operating Officer  
**The University of Chicago Medicine**

**Greg Horner**, Executive Director of Operational Excellence  
**The University of Chicago Medicine**

**Jill Ann Sullivan**, RN, MSN, Vice President of Hospital Transformation, Space Planning and General Services  
**Lucile Packard Children's Hospital Stanford**

**Sarah Rosenberg, Esq.**, Deputy Executive Director  
**Convenient Care Association**

**Hubert Zajicek**, MD, MBA, CEO & Co-Founder  
**Health Wildcatters**

**Jeff Frey**, IT Director of Digital Experience  
**The University of Texas MD Anderson Cancer Center**

**Paul Frisch**, PhD, FHIMSS, Associate Attending - Department of Medical Physics, Chief - Biomedical Engineering  
**Memorial Sloan-Kettering Cancer Center**

**Enrico Perez**, RT, CRA, FAHRA  
**Winthrop University Hospital**

**Stuart Eckblad**, Director of Design and Construction  
**UCSF Medical Center at Mission Bay**

**Richard (Dick) D. Daniels**, Executive Vice President and Chief Information Officer  
**Kaiser Foundation Hospitals and Health Plan, Inc.**

**James E. Hammer**, PMP, VP Product & Program Management  
**Harmony Healthcare IT**

**Byron L. Burlingame**, MS, RN, BSN, CNOR  
**AORN**

**Mike Crowley**, PE, SASHE, FSHP, Vice President Development  
**Jensen Hughes, Inc.**

**Alan M. Miller**, MD, PhD, Director, Baylor Charles A. Sammons Cancer Center  
**Baylor University Medical Center**

## WHO WILL ATTEND:

- Directors of Business Development
- Chief Operations Officers
- Chief Technology Officers
- Chief Nursing Officers
- Presidents, VPs & CEOs
- Directors of Health Information
- Hospital Architects and Designers
- Clinical Engineers
- Healthcare Technology Experts
- Biomedical Informaticians
- Chief Information Officers
- Administrators

**PRE-CONFERENCE WORKSHOP · JANUARY 20, 2016 :**

*You are invited to attend this pre-conference workshop to enhance your conference experience and expertise in smart hospital design. Please note, due to the interactive nature of the session, space is limited and RSVP is strongly encouraged.*

**2:30PM-3:00PM      WORKSHOP REGISTRATION**

**3:00PM-5:00PM      FROM SPARK TO FLAME: IGNITING COLLABORATION AND SUSTAINING INNOVATION IN DESIGN**

Healthcare executives are challenged by the changes brought about by the Affordable Care Act (2010). Additionally, Value Based Purchasing adjusts the payment structure to four areas of performance: clinical processes, the patient experience of care, actual outcomes, and efficiency. Combined with the struggle to maintain market share, minimize errors, provide care in an aging infrastructure and make cultural change prevents healthcare systems from a willingness to invest in needed renovations and/or new facilities. The spark for innovation dims.

Designing an environment that will accommodate current reimbursement methodologies and ultimately adapt to changing landscapes of care can be challenging in and of itself, however; spaces that simultaneously address human-centered design and forge collaboration can be equally daunting.

Key topics to be covered, include:

- Identify innovations consistent with the Affordable Care Act relevant to designers and owners
- Examine approaches from case study examples that support evidence based design principles, patient centered care, and operational transformation
- Discuss future approaches to foster collaboration amongst caregivers
- Learn a process methodology to support integrated, empowered teams with the highest degree of collaboration

The presenter will discuss innovative approaches applied to the operational setting through the collaboration of an empowered and highly integrated team. Case study examples will be presented to provoke and prompt discussion.

**Kimberly N. Montague**, AIA, EDAC, LEED BD+C, Healthcare Knowledge & Insights Program Lead  
**Herman Miller Healthcare**

*Kimberly Montague has been a licensed architect for over 23 years and has worked in many capacities, both as an architect, planner and health care design strategist. In her current role, she serves as Healthcare Knowledge & Insights Lead, working to develop strategy, research knowledge programs toward innovations in human-centered design. Prior to joining the health care team at Herman Miller Inc., Ms. Montague was the Director of Design Consultation Services for Planetree, Inc. As Director of Design Consultation, her primary focus was dedicated to assisting a variety of health care institutions improve not only the patient-centered aspects of care, but also the safety and health of those who work and are treated in these facilities. A combination of a passion for healing environments and environmentally friendly design concepts, Kimberly demonstrates commitment to human-centered design by a strong commitment to evidence-based design principles and lean practices as well. By examining the environment from the patient's perspective, coupled with a personal commitment to promoting health and wellness, her critical eye detects areas within a facility that support healing, or in some cases, can become barriers to furthering safe, effective and efficient healing environments. Previously recognized by Healthcare Design Magazine as one of health care's Top 25 Most Influential People in health care design, Kimberly launched the Planetree Visionary Design Network to recognize excellence in creating patient-centered healing environments for architectural and design firms. She currently serves as Treasurer for the AIA Detroit Chapter.*

**5:00PM-7:00PM      NETWORKING RECEPTION**  
**Sponsored by Aethon, Inc.**



**CONFERENCE DAY ONE · JANUARY 21, 2016 :**

**8:00AM-8:45AM      REGISTRATION & CONTINENTAL BREAKFAST**

**8:45AM-9:00AM      CHAIRPERSON'S OPENING ADDRESS**



**9:00AM-10:00AM THE TOOLS OF YOUR TRADE: FOR A NEW HEALTHCARE REALITY**

Healthcare decision makers are seeking more and more information and justification from their design professionals today. What was once a routine data gathering and decision making process for the hospital and design team has sometimes become an in-depth research event which often delays and or potentially cancels a project. This interdisciplinary presentation will demonstrate how simulation modeling can be utilized throughout multiple stages of the design process. Through a series of project examples we will identify the process and implied client benefits of using simulation modeling in master planning, project planning and post occupancy evaluations.

Attendees will learn:

- The definition of Simulation Modeling and how the model utilizes healthcare data
- The potential function of simulation modeling in post occupancy evaluations
- How Simulation Modeling can assist / advance administrative decisions
- The benefits of integrating Simulation Modeling with traditional architectural planning and project design processes
- How modeling and simulation can bridge the information gap between healthcare designers and healthcare clients

**Vincent Della Donna**, AIA, ACHA, Director of Healthcare

**Gannett Fleming Architects and Engineers**

*Vincent Della Donna is the director of healthcare services for Gannett Fleming Architects and Engineers, an architectural and engineering firm with a regional office in South Plainfield, N.J., and corporate headquarters located in Harrisburg, Pa., with a global network of 60 offices. He has the unique ability to understand Gannett Fleming's healthcare clients' needs, having spent the majority of his professional career as a client representative. In his leadership of healthcare services, and of specific projects, Vincent continues to act as an advocate for professional services that are deeply responsive to client needs. He has nearly three decades of experience, with a concentration in healthcare for more than twenty years. He maintains active membership with the American Institute of Architects, the Academy of Architecture for Health, and the American Hospital Association.*

**Steve Langston**, AIA, ACHA, EDAC, LEED AP, Design Director

**RLF | architecture-engineering-interior design**

*As Design Director at RLF, Steve focuses on integrating design with his technical expertise resulting in a coherent approach to healthcare design and project delivery. With over 25 years of experience, he understands the issues related to creating healing environments that are supportive of patients, families and staff without sacrificing flexibility or operations. Steven is a licensed architect, ACHA board certified, EDAC accredited and a LEED accredited professional.*

**Susan O'Hara**, RN, BA, MPH, President

**O'Hara HealthCare Consultants, LLC**

*Susan O'Hara is the President and Founder of O'Hara Healthcare Consultants, a consulting firm specializing in architectural healthcare programming design review for medical facilities. Using simulation modeling, Susan works with hospital administrators and architects providing occupancy planning services, hospital wide planning, and detailed architectural programming services. She also acts as a clinical liaison between hospital administration, individual departments, architects, regulatory agencies such as the Department of Public Health, and simulation engineering firms. Susan has more than 30 years of experience and a broad base of skills including healthcare operations, education, research, marketing, direct patient care, nursing staff supervision, in-service training, program development and management. Her clinical experience includes nursing positions in adult/pediatric Cardiac-Thoracic ICU, pre- and post-operative Cardiac Surgical, and medical-surgical Intensive Care and Emergency Departments. Susan has received numerous awards recognizing her contributions combining her experience and expertise of clinical nursing practice, architecture and simulation to address key challenges in healthcare delivery. She has authored numerous publications in professional journals and texts and is frequently asked to provide presentations on her prior and current work.*

**Robin Clark**, Simulation Specialist / Analyst

**QMT Group**

*Robin Clark is an instructor, model builder, ModL block scripter, and founding partner at the QMT Group. For the last decade, he has trained over 1000 beginner and advanced simulation students to use the ExtendSim software. He has designed custom blocks and built numerous simulation models for his customers. Robin has extensive experience in developing optimization models. Although he has spent considerable time modeling processes, his primary passion is teaching. Robin has a B.S. degree in Physics and M.S. degree in Management Science.*

**10:00AM-10:30AM MORNING REFRESHMENT BREAK AND EXHIBITS  
Sponsored by Imprivata****10:30AM-11:15AM HIGH-TECH HEALING: IMPROVING PATIENT CARE, COMFORT AND EFFICIENCY WITH STATE-OF-THE-ART TECHNOLOGY: PARKLAND HEALTH & HOSPITAL SYSTEM CASE STUDY**

The new 2.8 million square-foot Parkland Memorial Hospital has several innovations designed to improve the patient experience and increase efficiency at the safety-net hospital. Parkland's technology strides were recently recognized with two prestigious accolades when the health care system was named to the national "Most Wired" hospitals category by American Hospital Association's Hospital & Health Networks and by achieving HIMSS Analytics Level 6 designation. Parkland is a "digital hospital" — a more automated, integrated IT environment. All of the hospital's existing IT systems have moved to the new facility, and additional systems and medical devices will supplement and enhance existing systems.

*"Here, the hospital of the future is going to be the hospital of next year."*

**Joe Longo**  
Vice President of Information Technology  
Parkland Hospital

This presentation will discuss the journey Parkland took to boost care quality, patient engagement and market share in a competitive area and how hospitals across the country can reap the benefits of more automated processes and more integration.

**Joe Longo**, Vice President of Information Technology  
**Parkland Hospital**

**11:15AM-12:00PM APPLICATION OF THE UNIVERSITY OF CHICAGO MEDICINE LEAN 3P FACILITY DESIGN PROCESS FOR PEDIATRIC CARDIAC CATHETERIZATION LAB**

At The University of Chicago Medicine, a team of physicians, clinical, and operational staff utilized Lean principles of operational excellence to design and activate a new pediatric catheterization lab with state-of-the-art technology to improve the entire patient experience.

Using a progressive design process, team members partnered with patients, architects and vendors in a series of Kaizen events to design, test and activate the lab including developing standard work and simulating operations prior to opening.

The new catheterization lab features the latest generation of advanced cardiovascular technology, including Toshiba's Infinix™ Elite Bi-Plane cardiovascular X-ray system. This imaging technology makes it possible to focus on a small region of a child's body, reducing radiation exposure to even the tiniest patients. Real time feedback via a unique radiation dosage tracking feature will also help optimize patient safety.

Key issues to be covered, include:

- The Lean facility design and activation process used at The University of Chicago Medicine
- The power of team design when clinicians, patients, and vendors actively collaborate in the design process and stress test the design prior to opening.
- The application of Lean 3P, Mock-up simulation and Trystorming in the design process
- Provide an enhanced experience for patients and family members before, during and after the procedure.

**Jason Keeler**, Executive Vice President and Chief Operating Officer

**The University of Chicago Medicine**

*Jason Keeler, MBA/MHA is the Executive Vice President and Chief Operating Officer for the University of Chicago Medical Center. In the role of COO, he has oversight of operations of the medical center including the inpatient and ambulatory care delivery environments, operational excellence, support services, supply chain and pharmacy services. Jason has extensive experience and a proven track record in LEAN process improvement with application in the supply chain, revenue cycle, and operational throughput, design and construction and efficiency. He has utilized these skills to drive improvements in Patient Satisfaction, Employee Engagement and improved financial performance.*

**Greg Horner**, Exec Director of Operational Excellence

**The University of Chicago Medicine**

*Greg Horner is Executive Director of Operational Excellence at The University of Chicago Medicine leading transformational change and utilizing lean principles to improve patient and staff experience by taking a holistic approach to healthcare logistics. He has also served as Executive Director of CCD Operational Planning where the Core and Hub teams led the activation of the Center for Care and Discovery. Greg is an ASQ certified Six Sigma Black Belt and a student of the Toyota Production System (Lean). He is 2nd generation TPS having studied under a Sensei from Toyota including the proper use of 3P and standard work. Greg has lectured on the application of Lean principles, Kaizen events, and 3P in healthcare settings, including the Association for Manufacturing Excellence Conference, and the Healthcare Facilities Symposium and Expo. Greg is a certified systems engineer, and earned a master's degree in Enterprise Improvement and Innovation from DePaul University in Chicago.*

**12:00PM-1:15PM LUNCHEON FOR DELEGATES AND SPEAKERS****1:15PM-2:00PM UTILIZING TECHNOLOGY TO SUPPORT PATIENT CARE**

Lucile Packard Children's Hospital Stanford is opening a 521,000SF expansion. In the design process, the project examined ways to address patient safety. In the design process, the project looked at ways to improve patient safety and patient progression. Utilizing cameras into the patient room to respond to patient events, alarms and help with compliance on regulatory standards is planned for the expansion when it opens in summer 2017. This presentation will review these plans. The presentation will also discuss how this and other technology can be integrated into a "Nerve Center" to improve patient care. This presentation will discuss other high risk areas that were addressed in the planning: medication administration, real time infection control alerts and utilizing the patient entertainment system to educated families.

Key issues to be covered include:

- Identify ways to design improvements in the care processes and patient safety early into a project
- Discuss some of the challenges of integrating technology into this project
- Identify ways how technology can support patient safety, patient progression and regulatory compliance

**Jill Ann Sullivan**, RN, MSN, Vice President of Hospital Transformation, Space Planning and General Services

**Lucile Packard Children's Hospital Stanford**

**2:00PM-2:45PM****THE VALUE PROPOSITION OF RETAIL CLINICS**

Since the first retail clinic opened approximately 15 years ago, the industry has grown significantly and there are now more than 2000 clinics in more than 40 states across the country. Retail clinics are healthcare facilities located in high-traffic retail outlets like retail pharmacies, grocery stores and big box retailers and are staffed by nurse practitioners and physician assistants who provide basic primary care services to patients. As retail clinics have become a fixture in the healthcare landscape, the role that they play and their value proposition has expanded. Through their strategic partnerships with health systems, physician groups and payer, retail clinics are proving they are more than just a venue for providing minor acute care services. This session will provide an overview of the retail health industry, describe strategies for optimizing the value of retail clinics, including examining how these clinics can meet the needs and demands of a diverse group of consumers through public health initiatives and preventive health and disease management and discuss the next disruption(s) by the industry and the policies surrounding such disruption(s).

Key issues to be covered include:

- How retail clinics demonstrate their value proposition in achieving the goals of improved patient care, population health and reduced costs
- The next disruption(s) within the industry, including advancing technologies and chronic disease management.
- Understanding the partnership opportunities with retail clinics

**Sarah Rosenberg, Esq.**, Deputy Executive Director

**Convenient Care Association**

*Sarah Rosenberg is the Deputy Executive Director for the Convenient Care Association (CCA), the national trade association of over 2,000 private-sector retail clinic industry. She assists the Executive Director with business and programmatic strategy, development, management. She is responsible for all activities pertaining to personnel, finance, and contracts, while also being the lead for all program planning, policy initiatives, operations and staffing. Outside her CCA responsibilities, Sarah also serves as the Membership & Development Director for the National Nursing Centers Consortium, a non-profit organization supporting the growth and development of over 250 nurse-managed health centers, serving more than 2.5 million vulnerable people across the country in urban and rural locations. Sarah is also the Program Director for Generation NP, a verified social network that advances the role of the nurse practitioner through collaboration, education, and national visibility. Sarah serves on the Board of Directors of the Pennsylvania Health Law Project and Education-Plus, Inc. and she is a volunteer attorney with the Philadelphia Defender Association. She is a former board member of the Education Plus Academy Cyber Charter School and has co-authored multiple articles relating to her work in the for-profit sector and retail clinic industry. She is a graduate from Millersville University with a BA in Social Work and a graduate of California Western School of Law in San Diego, CA. She is licensed to practice law in Pennsylvania and New Jersey.*

**2:45PM-3:15PM****FROM SPARK TO FLAME: IGNITING COLLABORATION AND SUSTAINING INNOVATION IN DESIGN**

Healthcare executives are challenged by the changes brought about by the Affordable Care Act (2010). Additionally, Value Based Purchasing adjusts the payment structure to four areas of performance: clinical processes, the patient experience of care, actual outcomes, and efficiency. Combined with the struggle to maintain market share, minimize errors, provide care in an aging infrastructure and make cultural change prevents healthcare systems from a willingness to invest in needed renovations and/or new facilities. The spark for innovation dims.

Designing an environment that will accommodate current reimbursement methodologies and ultimately adapt to changing landscapes of care can be challenging in and of itself, however; spaces that simultaneously address human-centered design and forge collaboration can be equally daunting.

**Kimberly N. Montague**, AIA, EDAC, LEED BD+C, Healthcare Knowledge & Insights Program Lead

**Herman Miller Healthcare****3:15PM-3:30PM****AFTERNOON REFRESHMENT BREAK & EXHIBITS****3:30PM-4:00PM****HOW TO DESIGN A SMART HOSPITAL**

To respond to a technology-driven environment of care and prepare for its evolution in the future, healthcare providers must consider bolstering the patient experience both inside their facilities and out through a keen focus on connectivity, communication, and access to information.

This presentation will cover how healthcare architects and designers have a unique opportunity to unite architecture and technology by creating dynamic and engaging settings that cater to the individualized needs of patients and identifying opportunities for staff and administrators that broaden treatment options as well as where that treatment is provided.

**Hubert Zajicek**, MD, MBA, CEO & Co-Founder

**Health Wildcatters**

**4:00PM-4:30PM**

**CASE STUDY: THE INSTITUTE FOR CANCER CARE INNOVATION STUDIES: NEW AND EXISTING MODELS OF CANCER CARE DELIVERY AND REIMBURSEMENT**

ICCI has based its programs around the principles of value-based health care delivery that focuses on the outcomes and costs of care. ICCI, formerly known as the Institute for Cancer Care Excellence, was created in 2008 to demonstrate the value of MD Anderson's research driven multidisciplinary care and has been at the forefront of cancer care nationally and internationally for its innovative approaches to measuring of the value of our cancer care delivery system.

With programs designed to measure the outcomes and costs of the care we provide, ICCI provides essential strategies for maintaining our cancer center's preeminent position as the nation's No.1 provider of cancer care in the United States.

Key issues to be covered include:

- Evaluating which value-based outcomes are most important to cancer patients and identifying which outcomes measures are significant for patients and providers
- Using TDABC and new costing methodologies to better assess value at MD Anderson Cancer Center
- Creating bundled payments for major disease types in order to meet a changing health care reimbursement landscape
- Fostering the better use of electronic medical records and electronic health records for both patients and providers
- Integrating more useful and comprehensive electronic medical and health data into cancer care
- Working toward incorporating technology into patient experiences to provide better communication between patients and their families and providers

Jeff Frey, IT Director of Digital Experience

**The University of Texas MD Anderson Cancer Center**

**4:30PM-5:00PM**

**CONFERENCE KEYNOTE: THE INTELLIGENT HOSPITAL: INTEGRATING TECHNOLOGY TO OPTIMIZE PATIENT CARE AND WORKFLOW**

The Intelligent Healthcare™ concept focuses on the seamless integration of on the many diverse technologies, including medical devices, wireless sensors, clinical applications as well as the integration of location context provided by of Radio Frequency Identification (RFID) and RTLS technologies all integrated within clinical scenarios.

The concept / vision provides for a seamless sharing of information across all the patient care and management modalities from specialized treatment areas, such as the Emergency department, providing triage and diagnosis, specialty areas including the OR, Radiation therapy and Radiology; providing acute care, in the ICU or step-down areas, general inpatient care, outpatient follow-up and monitoring and home care.

All modalities of care are reliant on technologies that deliver real time data from the patient's room, bedside or home to a war room environment, dashboards or a clinician's smart mobile device, thus providing real time visibility of people, assets, information and processes. This capability enables both centralized and distributed methods of managing physiological data and alarms, along with coordination of information from remote environments like a patient home or nursing home.

Key topics to be covered, include:

- Objective and Architecture of the Intelligent Hospital
- Design Consideration, Infrastructure, Time Sync., Integration, Seamless Architecture
- RTLS Solutions Optimizing Workflow and Business Process
- Considerations and Issues
- Components as a function Care Unit (ED, OR, etc.)
- Enhanced Patient Care – Point of Care Diagnostics, Data Delivery, Communications, Alarm Management
- Process Validation and Error Reduction

Paul Frisch, PhD, FHIMSS, Associate Attending - Department of Medical Physics, Chief - Biomedical Engineering

**Memorial Sloan-Kettering Cancer Center**

*Paul Frisch is currently an Associate Attending in the Department of Medical Physics and the Chief of Biomedical Engineering at Memorial Sloan-Kettering Cancer Center. In addition he has an appointment as Visiting Assistant Professor in the Department of Bioengineering at the State University of New York at Binghamton. He currently serves on technical committees and advisory boards including IEEE Committee on RFID, Health Systems Solutions, Cardiopulmonary Corp and serves as the President & Chief Technical Officer for the RFID in Healthcare Consortium and Chief Technical Officer of the Intelligent Health Association. Paul Frisch has a Doctoral degree in Biomedical Engineering from the State University of New York at Binghamton and Masters and Bachelor's degrees in Electrical Engineering from the State University of New York at Stony Brook.*

**5:00PM-7:00PM**

**NETWORKING RECEPTION  
Sponsored by Sherwin-Williams**



**CONFERENCE DAY TWO · JANUARY 22, 2016 :**

**8:00AM-8:45AM**

**REGISTRATION & CONTINENTAL BREAKFAST**

**8:45AM-9:00AM**

**CHAIRPERSON'S OPENING ADDRESS**

**9:00AM-10:00AM PLANNING FOR A TECHNOLOGY-DRIVEN DEPARTMENT**

Designing for the future is a daunting task, especially with departments where imaging plays a role. The access, storage and communication with, and throughout the organization is and will be key to the future. Information is needed immediately, so that decisions can be made, timely. This requires a vision and designs that are expandable, upgradeable with capabilities to integrate with a variety of systems and in various formats.

Key issues to be covered, include:

- Looking at workflow from the patient and staff perspective
- Imaging devices, PACs, and RIS in the medical chain
- Challenges faced when working with technology (Upgrades, Room Design, etc.)

**Enrico Perez, RT, CRA, FAHRA**  
**Winthrop University Hospital**

*Enrico Perez RT, CRA, FAHRA, known as Rick has been in Imaging for over 30 years and in this time has built, moved equipment and entire departments including moving from Analog to digital, while maintaining the service, Rick is an RT, and has not forgotten his roots, but also understands the need for Imaging to be fully integrated into the healthcare delivery.*

**10:00AM-10:30AM MORNING REFRESHMENT BREAK AND EXHIBITS****10:30AM-11:15AM CASE STUDY: THE FUTURE OF TECHNOLOGY & PATIENT CARE EFFECTIVELY UTILIZING TECHNOLOGY MEANT TO MAKE HOSPITALS MORE EFFICIENT**

UCSF Medical Center at Mission Bay is our newest state-of-the-art hospital complex that has been designed to ensure that our facilities match UCSF's top-notch patient care.

The Mission Bay Hospitals Project IT team worked collaboratively with clinical operations to identify needs and develop and implement innovative solutions that would make UCSF Medical Center at Mission Bay a world-class, high-tech health care facility.

This presentation will discuss how by not playing it safe, but taking some risk on new technology, IT delivered high-tech tools with a "wow" factor that allow UCSF's faculty and staff to provide the best possible care.

**Stuart Eckblad, Director of Design and Construction**  
**UCSF Medical Center at Mission Bay**

**11:15AM-12:00PM CASE STUDY: MOVING CLOSER TO SMALL, SMART HOSPITAL DESIGN OF THE FUTURE**

The ideal small, smart and sustainable hospital features multifunctional clinical spaces within, and an array of design elements that bring the best of the outdoor environment to the people inside. This includes green walls, terraces and an innovative roof design that helps absorb energy from the sun, collect rain water and enable occupants to make the most of natural light.

This presentation will discuss designing the intelligent facility that will include interactive, touch-screen whiteboards on interior walls that would allow patients to tap into their doctors' notes and download them to personal electronic devices.

**Richard (Dick) D. Daniels, Executive Vice President and Chief Information Officer**  
**Kaiser Foundation Hospitals and Health Plan, Inc.**

*In his role as executive vice president and chief information officer (CIO), Dick Daniels is responsible for the ongoing leadership of Kaiser Permanente's Information Technology vision, strategy and execution. Prior to Daniels' appointment to the role of executive vice president and chief information officer, Daniels served as senior vice president of Enterprise Shared Services, which includes End User Services, National Facilities Services and National Pharmacy Operations.*

**12:00PM-1:00PM LUNCHEON FOR DELEGATES AND SPEAKERS****1:00PM-1:45PM SAVING HISTORY, HASSLE & MONEY IN EHR REPLACEMENT ARCHIVING TIPS, TRENDS AND ADVICE**

The skyrocketing amount of health data, expected to reach 2,314 Exabytes by 2020, presents information management challenges for healthcare providers who must keep historical records from 7 to 25 years to comply with local, state and federal mandates.

This presentation will demonstrate a cost effective solution for healthcare organizations in EHR replacement mode to migrate numerous legacy data sources into a single, secure archive with ROI within 18 to 24 months.

You will learn how to save data in an easy to use archive and reduce costs in terms of maintenance, infrastructure and alleviating the additional personnel required to keep multiple legacy systems alive.

Key topics to be covered, include:

- Data retention exposures and strategies when a clinical or financial system is replaced
- How healthcare providers are handling legacy data management after EHR system replacement
- The benefits of data archiving to satisfy retention requirements
- A look ahead at the proliferation of health data volume with a focus on maintaining legacy data

**James E. Hammer, PMP, VP Product & Program Management**  
**Harmony Healthcare IT**



**1:45PM-2:30PM SURGERY IN THE YEAR OF ??????**

Change is ever present in the surgical suite and to help you deal with this change this presentation will provide answers to the following questions?

Why are there three levels of restriction in the surgical suite and how do they impact surgical suite design today and tomorrow? What changes are happening in the current design of the surgical suite and what is the impact of these changes. What is the relationship between cost, infection control, and efficiency?

Attendees will learn how to:

- Define the three levels of restriction within surgical suite (unrestricted, semi-restricted, restricted) including their impact on design
- Determine how to incorporate cost, efficiency, and infection control into surgical suite design
- Identify the relationship between three evolving design concepts for the surgical suite and workflow efficiency

**Byron L. Burlingame, MS, RN, BSN, CNOR  
AORN**

*Byron L. Burlingame, MS, RN, BSN, CNOR, has been employed for the past 11 years as one of the perioperative specialists in the AORN Nursing Department. Byron serves as the lead author for various guidelines, including the Guideline for Safe Environment of Care, Part II which incorporates AORN's evidence based recommendations for design of the surgical suite, and as staff liaison on the Construction Toolkit Task Force. Byron serves as one of the AORN representatives on the Facility Guidelines Institute's Health Care Guidelines Revision Committee (HGRC) for the Guidelines for Design and Construction of Health Care Facilities, and the FDA Surgical Fires Group. Byron functions as the author of several "Clinical Issues" columns and other articles published in AORN Journal and other professional publications. Prior to coming to AORN, Byron worked as a circulating RN, and in various levels of management in large and rural hospitals. During this time Byron assisted with designing various surgical suites, serving as both a consultant and as the owner representative.*

**2:30PM-3:30PM DEVELOPING STATE-OF-THE-ART MEDICAL FACILITIES: HOW TO ENSURE YOUR TECHNOLOGY DRIVES OPERATIONAL EFFICIENCY AND PATIENT EXPERIENCE**

This presentation will review the current Life Safety Code requirements and the pending Center of Medicare and Medicaid Services (CMS) update to the 2012 edition of NFPA 101 Life Safety Code. This newer code will allow design flexibility for new construction and options for existing facilities. New cost saving in design and ongoing operation are available with the adoption of the 2012 Life Safety Code. Many of these updates have been incorporated into the current 2015 edition on the International Building Code. The adoption process and schedule will be reviewed. We will discuss the changes and updates that can be used now. The Smart Hospital will be using these updated codes soon.

Key issues to be covered include:

- Identifying the major code changes from the current CMS Life Safety Code
- Understanding the adoption process for the new Code and options to use some of the new requirements now
- Applying the new code changes that allow design flexibility such as the new suite criteria

**Mike Crowley, PE, SASHE, FSFP, Vice President Development  
Jensen Hughes, Inc.**

*Mike Crowley holds a BS in Fire Protection and Safety Engineering from Illinois Institute of Technology, and an MBA from The University of Houston. Mike is a licensed professional engineer in 5 states. Professional organization involvement includes Fellow in Society of Fire Protection Engineers (SFPE), National Fire Protection Association (NFPA) Membership and activity on NFPA Technical Committees including NFPA 101 - Healthcare Occupancies and Means of Egress, and NFPA 99 – current Correlating Committee Chair, among others. He is a Life Safety Code and NFPA 99 instructor for NFPA. In addition, he is a Senior Member of the American Society of Healthcare Engineers. Mike has authored numerous technical articles and made presentations at various conferences and symposiums. He is Vice President Development and healthcare practice leader. Mike provides consulting to architects, facility managers and building owners around the world.*

**3:00PM-3:15PM TRANSPORTATION TO TOUR****3:15PM-4:00PM SITE TOUR: BAYLOR CHARLES A. SAMMONS CANCER CENTER AT DALLAS**

Baylor Charles A. Sammons Cancer Center at Dallas provides personalized, comprehensive and compassionate care for patients with all types of cancer. They offer advanced screening, prevention, diagnostic and treatment services, as well as comprehensive education and support programs. They are known for treating the patient's physical, emotional and spiritual support during their cancer journey.

**State-Of-The-Art Treatment at Sammons Cancer Center**

The center prides itself on being the best at both high-tech and high-touch. On the tech side, the Sammons Center offers an extensive research center with myriad cancer clinical trials of new treatments. Last year, more than 800 people participated in research at the facility. They are the leaders in helping to develop cancer treatments that now are routinely available to all cancer patients.

On the "touch" side, the Sammons Center offers personalized care that addresses the human needs of patients. An extensive integrative medicine program works in tandem with traditional treatments, using mind-body-spirit oriented therapies that have scientific evidential basis. The center's state-of-the-art technology, combined with its peaceful surroundings has a positive effect on both the patients and the staff.

**Alan M. Miller, MD, PhD, Director, Baylor Charles A. Sammons Cancer Center  
Baylor University Medical Center**

**4:15PM-4:30PM**

**TRANSPORTATION TO VENUE**

**4:30PM-5:30PM**

**CLOSING PANEL DISCUSSION: PLANNING AND OPERATING A SMART HOSPITAL: LESSONS LEARNED AND WHAT DOES THE FUTURE HOLD?**

Issues to be covered in this presentation include:

- The complexity and risk of planning and operating a smart hospital of the future
- Specific areas will include initial feasibility plans, construction, patient ramp-up, operations and market reactions
- Key learnings and observations based on planning and operating of smart hospitals

Attendees will learn about:

- How a smart hospital differs from a traditional healthcare facility and how its unique factors require a management philosophy and operating structure not often seen in traditional healthcare
- Strategies involved in planning and operating a smart hospital
- Learn how the smart hospital market is changing and what it will take to build a sustainable and successful model

**5:30PM**

**CLOSE OF CONFERENCE**

## VENUE INFORMATION:

### Crowne Plaza Dallas Downtown

1015 Elm Street Dallas, Texas 75202  
214 742 5678

Ideally situated in the heart of downtown, the Crowne Plaza® Hotel Dallas - Downtown provides travelers a home base with a short walk to the Dallas Convention Center and just six miles from Love Field Airport. Contemporary decor, elegant furnishings and signature Crowne Plaza® amenities provide a haven for business and leisure guests alike.

Corporate and professional travelers enjoy easy access to the West End, Bank of America Plaza, Uptown McKinney Avenue, Renaissance Tower and Earl Cabell Federal Building. 30,000 sq. ft. of meeting space for up to 600, and perks such as a Crowne Meetings Director, a two-hour RFP response and a Daily Meeting Debrief, our facility is certainly "The Place to Meet" among hotels in downtown Dallas, Texas and a great place to host a wedding, banquet or reception.

Leisure guests also appreciate our hotel's convenient downtown locale. Dallas, Texas attractions, such as the West End district, American Airlines Center and the House of Blues, are less than a mile away, so you can easily walk to some of the major Dallas destinations.

The Crowne Plaza® hotel Dallas - Downtown meets the needs of our guests with quality amenities, including 24-hour Fitness and Business Centers, an outdoor pool and our THRIVE Restaurant & Nightclub. Take advantage of the complimentary shuttle and sleep well with Crowne Plaza Sleep Advantage® amenities.



## ACTIVE COMMUNICATIONS INTERNATIONAL:

**Active Communications International, Inc. (ACI)** is a leader in conference planning and production. With offices in Chicago, London, Pune, Portland, Poznań and Milwaukee, we produce world-class events focusing on areas of most relevance to our served industry sectors. We are dedicated to deliver high-quality, informative and value added strategic business conferences where audience members, speakers, and sponsors can transform their business, develop key industry contacts and walk away with new resources.



**Mission Statement:** ACI's mission is to unite key industry influencers and leaders to build strong relationships and enable our clients to achieve operational efficiencies, maintain competitive advantage in the marketplace, and increase their profitability.

**Quality:** ACI invites senior-level executives and key industry leaders to share their insights and real-life working experiences with our audience. Our unique conference format offers an intimate and time-efficient educational development platform where our attendees can meet one-on-one with the people that can assist them in achieving their goals.

**Research:** ACI offers cutting-edge conferences that are developed through extensive research and development with industry experts to bring you the latest trends, forecasts, and best practices.

**Experience:** Our team of experienced conference producers and managers know you and your business demands. ACI has the resources, knowledge, and experience to create the events you need to remain on the forefront of your industry.