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# HEALTHCARE FACILITIES SYMPOSIUM & EXPO

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September 30, 2013

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October 1-3, 2013

**EXHIBITS**  
October 1-2, 2013

**Navy Pier, Chicago, IL**

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**PRE-CONFERENCE**  
Sept. 30, 2013

**CONFERENCE**  
October 1-3, 2013

**EXHIBITS**  
October 1-2, 2013

The Healthcare Facilities Symposium & Expo is unique in its alumni following. You know who you are! Those of you who mark your calendar to be sure nothing interferes with attending each and every year. We appreciate and respect your loyalty and dedication to the Symposium and to the healthcare design and construction industry as a whole.

In this space I want to address those of you who perhaps haven't been to the Symposium in a few years, or never come as you choose other industry events and even those of you who are first learning about our event. I understand the commitment it takes to attend an event. You need to take time away from your office which in today's world is so difficult with less resources to do the work. You need to organize your home life so that you can be away. And that is before you even get to the expense of travel. So why should you make that commitment, register for the Symposium and come to Chicago this October?

**Come to be inspired!** Something happens at the Symposium that doesn't happen at other events. **Collaboration** that sets aside competition in order to truly look at the problems facing our industry. Earnest debate on how we can **transform healthcare delivery** by changing the environment. And true stories of **results delivered** that everyone can learn from. There is an energy that surrounds the Symposium and leaves those in attendance **inspired and rejuvenated** to face the challenges of our industry.

You should come for the top notch **education**, the **exhibitors** you can visit with in one place and the **networking** events that allow you to engage with other professionals. But you don't have to take my word for it. Look at the *My Symposium* testimonials on the back of this brochure and on our website. Notice the diversity of stakeholders who all find **immense value** in their experiences at the Symposium. Come to Chicago this October and see what they are all talking about!

If you want to ask me a question or have a thought about the Symposium please feel free to contact me any time at [jenabeth@jdevents.com](mailto:jenabeth@jdevents.com).



Jenabeth M. Ferguson  
Vice President, Symposium Director  
Healthcare Facilities Symposium & Expo

**The Symposium Board** works together to certify that educational sessions, special features and programs all provide the most relevant information and reflect the trends and issues of healthcare design, construction and operations.

**Sally Augustin**  
Principal  
Design With Science

**Julie Barkenbush**  
CEO  
Devenney Group Ltd., Architects

**James S. Bicak**  
Director of Sinai Tomorrow  
Mount Sinai Hospital

**Susan Black**  
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Solutions for Growth

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JACOBS Global Buildings North  
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# The Healthcare Facilities Symposium & Expo

is where industry leaders, from design firms to healthcare owners, come together for 3 days to share best practices, explore new concepts and discover products and solutions. The mission of the Symposium is to create a multi-disciplinary environment that inspires you to evoke change and the advancement of a better delivery of healthcare through the physical space. Competitors, clients, and colleagues come together as friends to collaborate, share research, hear fresh perspectives and participate in the ever changing conversation of your industry.

See the complete event schedule on pages 8–9

## Earn up to 20 Continuing Education Units

The program has been submitted to the following organizations for consideration.



For more information visit [www.hcarefacilities.com/ceu.asp](http://www.hcarefacilities.com/ceu.asp)

The Symposium has education for every stakeholder—here's just a small sample of the sessions we offer:

### HEALTHCARE ADMINISTRATORS

- FHA Credit Enhancement for Healthcare Mortgages—Lowering Cost of Capital
- Enhanced Philanthropy by Design
- LEED Hospitals: Perspectives on Cost Premiums and Operational Benefits

### ARCHITECTS & PLANNERS

- Panel Discussion: Forming Better Partnerships Between Owners and Architects
- Transforming Healthcare Design, Planning and Delivery
- Project Risk—IPD vs. Conventional Delivery

### INTERIOR DESIGNERS

- Unveiling the Structure and Benefits of a Community Supported Art Program
- Built Environment as Care Tool—Look Beyond Aesthetics
- Color Critical Ambient Light for Optimal Visual Acuity and Patient Safety

### ENGINEERS

- California Gold (LEED-HC)
- Outcomes and Cost Implications for Sustainable Design for Hospital Planning
- Simulating Future Processes & Technology in Peri-Operative Trauma Care

### FACILITY MANAGERS & PLANNERS

- BIM-FM Case Studies at Northwestern Memorial Healthcare: Refining Data
- Development and Operation of Sustainable Employee Garage & Childcare Center
- Facility Strategies to Increase Market Share in a Competitive Market

**PLUS** there are countless Case Studies being presented by design teams and owners featuring facilities such as Children's Hospital Colorado, St. Mary's Healthcare, Aspirus Wausau Hospital, United Health Centers, Sharp Healthcare, Adolescent Treatment Center of Winnebago, The Las Vegas VA Medical Center and many more!

Open to ALL Attendees!

## Special Presentations

Wednesday, October 2, 2013 • 9:15 am - 10:15 am

### WEDNESDAY KEYNOTE—Rebooting Healthcare: Black Swan Change In Healthcare Delivery & Design

We hear a lot about “healthcare reform,” but while no one was looking, healthcare is “re-forming” itself from the outside in, through the convergence of medical and data technologies. The unintended effects of these changes will transform healthcare from the “art” of medicine, to the “science” of medicine, with a “black swan” impact on healthcare facilities design.

This presentation explores the growing intersection between new technologies, demographic shifts, and facilities design. Driving change are such factors as EHRs and genomics, widespread adoption of LEAN/Six Sigma, demographic shifts, and the increasing distribution of healthcare delivery outside the normal hospital based delivery model.

A “black swan event” is something that comes along and unexpectedly changes everything. For example, the tsunami in Japan is unexpectedly causing Germany to phase out nuclear power. “Rebooting Healthcare” will identify major shifts in healthcare delivery and design, and make sure they are not “black swans” to you.

**Ron Galloway**, Nationally Recognized Speaker, Documentary Filmmaker & Author



Thursday, October 3, 2013 • 10:30 am - 11:30 am

### CLOSING SESSION—The Secret Life of Healthcare: Industry Experts Tell All

A true plenary session, this panel discussion will synthesize the 2013 Symposium's Big Ideas. Owner's, designers and constructors will share their insights on current projects, trends and technologies. Together they will explore the future for the healthcare design community. Audience members will be encouraged to shape the discussion by submitting questions.

- Gain an appreciation of the trends affecting the healthcare industry.
- Understand the impact of these trends on the capital project realities.
- Learn how industry leaders are positioning for success.
- Anticipate the projects most likely to be “winners”.

**Deborah Groner D'Agostino FACHE**, President, P4H, Inc.

**Michael Doiel**, Executive Vice President, HDR Architecture

**Barbara Kalish**, Senior Project Manager, New York Presbyterian Hospital

**Mary Ann Lukowicz**, Project Executive/LEED AP, Power Construction Company,

**Peter O'Connor**, Principal, RTKL

**Ari Tinkoff PE**, Associate Principal, HVAC Engineer, Bard, Rao + Athanas Consulting Engineers, LLC

Opening Keynote to be announced this summer!



Separate  
Registration  
Required

1:00 pm - 2:15 pm

## ACHA Exam Prep Seminar

This workshop will provide healthcare architects with useful information to submit their credentials and prepare for the ACHA Exam. The seminar covers: application materials, exam topics, sample questions, scoring criteria, and exam schedules.

RSVP at: [acha-info@goAMP.com](mailto:acha-info@goAMP.com)



3:00 pm - 4:00 pm

## AAHID Exam Prep Workshop

The American Academy of Healthcare Interior Designers (AAHID) Workshop will provide designers, architects, and administrators with valuable information about the AAHID certification process and the required knowledge base, materials, and procedures for achieving certification in health care interior design. In addition, the seminar covers application materials, exam topics, sample questions, scoring criteria, and the exam schedule. Register for this workshop online at [www.hcarefacilities.com/register.asp](http://www.hcarefacilities.com/register.asp).



12:30 pm - 6:30 pm

## Generative Space Master Class

The Generative Space Master Class is a practical, hands-on, training workshop for learning how to apply a new method of designing the environment to make both systemic and sustainable improvements in individual health, organizational effectiveness, and overall community well-being. It is a replicable, research-based, method that has been field-tested and peer reviewed around the globe in leading health and healthcare organizations and their respective settings. If you want to be a pioneering leader in the next generation of designing more effective healthcare environments, then the Generative Space Master Class is a "must attend" event. The Generative Space Master Class will feature a case study presentation on the Ann & Robert H. Lurie Children's Hospital, a recipient of the 2012 Generative Space Award. The event will be held at the Hospital, with a tour provided for all Generative Space Master Class participants. *Exclusive to the HFSE, this program will not be repeated elsewhere and has limited seating available.*

**Dr. Sally Augustin**, Principal, Design with Science

**Bruce Komiske**, Project Director, Children's Life Sciences Center, Westchester Medical Center

**Sue Ann Barton, AIA, LEED AP BD+C, EDAC**, Principal, ZGF Architects LLP

**Martin Wolf, FAIA**, Design Principal, Solomon Cordwell Buenz

**Bob Schaefer, AIA**, Vice President and Senior Project Architect, Anderson Mikos Architects, Ltd.

**Heather Fennimore**, President of the Americas, Humanscale

**Wayne Ruga, PhD, FAIA, FIIDA, Hon. FASID**, Founder and President, The CARITAS Project



1:00 pm - 5:00 pm

## HEALTHCARE IS UNSUSTAINABLE! How One Simple Idea Can Change Everything

Healthcare is an industry on an unsustainable trajectory. Its processes are broken, and incremental efforts make only minor differences. High costs result from waste, as patients are pushed through the system. Learning from Lean, but surpassing Lean initiatives, a simple idea, Pull, has transformational effects. As the U.S. faces the need to improve health using fewer resources, we can learn from the ways that low-resourced settings everywhere offer care more affordably. Dramatic improvements are being achieved by using Pull to reduce cycle times, increase capacity and volumes, and pull services to patients, where and as needed. The results can be seen in mobile clinics in urban areas that go where the patients are, and in a hospital in Bangalore, India that performs CABG surgery for roughly 10% of the cost of the same procedure done in the U.S., with lower mortality. This LongWave Group Workshop invites stakeholders to learn ways to jump-start change and overcome persistent waste and inefficiency in operations, technology, and environments. In this half-day workshop, attendees will envision a transformation of care. Workshop participants will see real-world examples of how a simple idea has changed everything, and explore a variety of strategies that can be applied to their immediate needs.

**Phillip H. Bahr AIA**, Planning Director, Bahr Architects Inc

**Suzanne Currie**, User Experience Research and Design, Samsung Research Initiative - Silicon Valley

**David Chambers**, Vice President Healthcare Consulting, HOK

**Gary R. Goldberg AIA**, Principal, G. Goldberg AIA

**Clay Goser**, President, Symphony LLC

**Robert A. Pratt**, CEO, Pratt Design Studio



Tuesday, October 1

10:30 am - 11:30 am

**The Russian-American Medical Center in Tver, Russia**

This project consists of a 82-bed General Acute Care Hospital, with a Cancer Center and Medical Office Building and Hotel in Tver Russia. We will be reflecting on lessons learned from the social, clinical, cultural, financial, and political perspectives. This project experience has introduced not only a new architecture, but more importantly many new clinical concepts to be implemented by the medical staff. The opportunity for medical tourism was explored and incorporated.

**Irina Nikolaevna Aksenova PhD**, Founder, Uppervolga Institute

**Frank Swaans**, Vice President Global Healthcare Services, Gresham, Smith and Partners

**Greg Wieland AIA**, Design Principal, Gresham, Smith and Partners

**PANEL DISCUSSION: Forming Better Partnerships Between Owners and Architects**

This session is a panel discussion of both Owners and Architects on forming better partnerships together. Many healthcare organizations are being pushed to find ways to deliver projects quicker and for less cost. One of the ways to do this is to form better relationships and partnerships with owners and consultants. This panel discussion will cover common pitfalls on partnerships between Owners and Architects and recommend ways to develop better working relationships.

**Jennifer Fink AAHID, IIDA**, Director of Planning and Interiors, Lehigh Valley Health Network

**Catherine L. Gow AIA**, Principal - Health Facilities Planning, Francis Cauffman

**Natalie Mioviski, AIA, LEED AP**, Healthcare Principal, EwingCole Architects

**Jeffrey O'Neill AIA, ACHA**, Senior Project Manager, The University of Pennsylvania Health System

**Using Lean Processes to Improve Healthcare Facility Outcomes**

With the help of Purdue University, BSA LifeStructures is using lean design principles to put a focus on functionality and operational efficiencies in the design of healthcare facilities. This lean philosophy has helped the firm design healthcare facilities that enable proper management of their resources, to reduce costs and improve quality. This presentation will highlight the lean journey and dissect projects that used lean methods, and cover the required steps to earn lean "yellow belt" certification.

**Jennifer L. Vanderpool**, Performance Improvement Specialist, Purdue Healthcare Advisors

**Jake Snyder**, Design Engineers, BSA LifeStructures

**Terry Thurston**, Director Healthcare Operational Planning, BSA LifeStructures

**Lessening the Fear and Anxiety of Cancer Treatment**

Receiving a cancer diagnosis is a life-changing event and the treatment process can be nearly as frightening as the diagnosis. The design of the Douglas + Nancy Barnhart Cancer Center was approached from the experience of the patient, visitors, and staff in order to reduce the anxiety level of all. Residential scale, a soothing color palette, connection to nature, and a Linear Accelerator vault that is open to the sky, help to soften the clinical environment and create a less intimidating space.

**Wayne Hunter AIA, ACHA**, Principal, Cuningham Group, Inc.

**Pat Nemeth**, VP Facilities, Corporate Development, Sharp HealthCare

**Phillip T. Soule, III AIA, ACHA**, Cuningham Group, Inc.

**An Elegant Approach to Integrated Retail and Healthcare Services**

A growing demand exists for elegant solutions that integrate healthcare and retail development. This session will explore the challenges of clinic-based models and the appropriate integration of health-related and convenience-based retail. Insights concerning the business case including inventive proformas and new thinking about real estate services will be shared, as well as a look-ahead to the emergence of the multi-disciplinary clinic as an anchor to vibrant community centers.

**James S. Bicak**, Director of Sinai Tomorrow, Mount Sinai Hospital

**Herschel Block**, Vice President - Director, Medical Planning, VOA Associates Incorporated

**Brenda M. Bush-Moline, AIA, LEED AP, EDAC**, Associate Principal, VOA Associates Incorporated

**Julie Ford**, Director of Project Management, CBRE Healthcare Solutions Group

**"The Living Science Center"... A Facility Created to Keep Kids Healthy**

The Living Science Center is the first of its' kind facility dedicated to changing behavior and keeping kids out of the hospital. Conceived and funded by a parent and designed by one of the world's best "experience designers," it will be a model to be replicated around the world. It is also part of a unique Medical Science Village—a new model for hospital real estate development.

**John Fareri**, Philanthropist, Creator of the Maria Fareri Children's Hospital

**Bruce Komiske MHA, FACHE**, Project Director, Children's Living Science Center, Westchester Medical Center

**Evaluating the Hospital of the Future – Applying Lessons Learned**

The Baystate Medical Center Hospital of the Future has been open for 18 months. Baystate Medical Center has recently completed a formal Post Occupancy Evaluation. Lesson learned from the Post Occupancy Evaluation and 18 months of occupancy are being applied to the next phase of the project—a 96-bed new build out. This session will review the process, post occupancy evaluation results, and detail how the lessons learned impacted the next phase of the project.

**Stanley Hunter**, Project Executive, Baystate Health

**Kurt Rockstroh**, CEO, Steffian Bradley Architects

**John Saad, LEED AP, HFDP**, Managing Principal, Vanderweil Engineers



**Generative Space Roundtable Discussion: Shared Learnings and Improvements from Practitioners**

Generative space is the new design frontier for improving individual lives, organizational performance, and overall community wellbeing. This discussion—facilitated by Heather Fennimore, a leading generative space practitioner—will introduce several other practitioners who will be presenting their detailed work in the Generative Space Track. Attendees will have the opportunity to critically question, challenge, and engage these presenters as a means to develop a generative space overview.

**Heather Fennimore**, President of the Americas, Humanscale

**Joseph Livengood MD, FACS**, Chief Operating Officer, Livengood Medical



Generative Space sessions



Sessions hosted by the American Society of Interior Designers.

**Bruce Raber**, Vice President, Practice Leader for Healthcare, Stantec Architecture

**Alyssa Scholz, Assoc. AIA, IIDA**, Senior Associate and Director of Interior Design, TAYLOR

11:45 am - 12:45 pm

**Sustainable Energy Strategies: Alternative Medicine for the Health of Your Community**

Beyond occupancy sensors, LED lighting, and electrochromatic glazing systems, is an untapped market to lower energy costs. Effective energy conservation opportunities are a viable solution for a growing number of hospitals. But what sustainable solutions make sense for your hospital? We will explore options ranging from simple energy conservation measures to renewable energy, to help you integrate energy conservation into your facilities.

**Neal Boothe**, Principal, exp US Services, Inc.

**Colin T. Murphy P.E., C.E.M.**, Energy Conservation Engineer, University of Michigan Hospitals and Health Centers

**Joe Ross PE**, Director of Healthcare, exp US Services, Inc.

**FHA Credit Enhancement for Healthcare Mortgages – Lowering Cost of Capital**

The session is geared towards stakeholders (C-Suite board members, project planners, lenders) looking to start up a new capital project, refinance existing debt within a healthcare facility, or finance a hospital acquisition at FHA-backed interest rates. After completion of the session the attendee should have a familiarity with FHA's Healthcare Programs, whether FHA is a right fit for their financing options, and how to proceed with pursuing an FHA mortgage insurance commitment.

**F. Nick Bacqué**, Account Executive, U.S. Dept. of Housing and Urban Development - Office of Hospital Facilities

**What is the Impact of CMS Use of NFPA 101: Life Safety Code 2012?**

This presentation will review the major changes adopted in the Life Safety Code (NFPA 101) over the past four editions. This update will address the 2003, 2006, 2009 and 2012 editions. All four will affect healthcare design and operations when CMS adopts the 2012 edition of NFPA 101.

**Michael E. Crowley P.E.**, Executive Vice President, Rolf Jensen & Associates

**The Next Time We Do This... Lessons Learned From Building Lurie Children's**

Ann & Robert H. Lurie Children's Hospital of Chicago is a new 1.25 million square foot, 24-story, 288-bed children's hospital in the heart of downtown Chicago. Planning for this replacement hospital project began in 2006, construction broke ground in 2008, and the facility opened on June 9, 2012. During that six year span, thousands of people worked diligently to design, build, and activate the best state-of-the-art facility for the patients, families, and caregivers, and the final product was and is a success by all accounts. One thing is certain, with the experience gained and the lessons learned from working on the Lurie Children's project, things will be a whole lot easier THE NEXT TIME WE DO THIS...

**Colin Harding**, Senior Practice Manager, Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago

**Eric Swanson MBA**, Director of Security Services, Ann & Robert H. Lurie Children's Hospital



## Design, Occupy, Measure, Refine – The Evolution of Team-Based Care Cells

Key members of Spectrum Health Medical Group and the design team share how they are working to continually refine the design of outpatient facilities. Efforts include measuring effectiveness post-occupancy in the clinical environment. This continual process improvement project brings together designers, providers, process engineers and administrators as they strive to understanding what works, what doesn't, and why.

**Michael C. Corby, FAIA, LEED AP**, Executive Vice President, Integrated Architecture

**Kurt Knoth**, VP Performance Improvement and Patient Affairs, Spectrum Health

**Alan Kranzo**, Director, Facility Strategy & Process Improvement, Spectrum Health Medical Group

## New Directions in the Design of Adolescent Addiction Treatment Centers

Adolescent addiction treatment centers are taking a more holistic approach to treatment emphasizing patients' emotional, psychological, and physical well-being. This session will look at two residential adolescent treatment centers that are re-imagining treatment methods by incorporating non-institutional features that offer patients a stronger sense of dignity. We will detail how each organization identified market needs to develop facilities that offer individualized approaches to treatment.

**Rebecca Kleinbaum Sanders AIA**, Assoc. Vice President/Healthcare Planner, HGA Architects and Engineers

**Naomi Ochsendorf BS, LADC**, Program Director, Adolescent Treatment Center of Winnebago (ATCW)

**Jim Steinhagen**, Executive Director, Youth Continuum, Hazeliden

**Dennis Vonasek, AIA, ACHA, CID**, Vice President/Principal, HGA Architects and Engineers

## The ACO Phenomenon – Technology's Role in the Future of Healthcare

The Accountable Care Organization (ACO) with its flat per-life-covered payment demands efficiency. The primary hospital will serve as the mother ship interconnecting clinics, physicians, offices, tertiary facilities, and their patients. This model impacts the clinician's workflow, the patient experience technologies, and interoperability required and ultimately the built environment.

**Ted Hood**, Senior VP/COO, Gene Burton & Associates

**Terry Miller B.S., E.E.**, Executive VP, Gene Burton & Associates



## Health Design Leadership: Improving Lives – It's Up To You

This presentation provides the opportunity for attendees to see themselves in a new light, and to "try on" a new form of leadership that can transform their organization—irrespective of their role. We will examine how leadership is the key component to cultivating generative space in the built environment, starting with "designing" the social environment, which can only be designed by individuals, and—unless it is designed as generative—most likely won't be.

**Alyssa Scholz**, Assoc. AIA, IIDA, Senior Associate and Director of Interior Design, TAYLOR

2:15 pm - 3:45 pm

## Unveiling the Structure and Benefits of a Community Supported Art Program

When Nemours Children's Hospital set out to build a 630,000 square foot facility in Orlando, Florida they designed "A Hospital in a Garden and Garden in a Hospital" and created an art program that supported their design concept—pushing the boundaries of traditional healthcare art programs. The hospital's art program is so much more than what you see on the walls!

**June Clark**, President and CEO, Camp Boggy Creek

**Jane Ferry**, Curator of Education, Orlando Museum of Art

**Barbara Harriman, IIDA**, President, Creative Director, Distinctive Art Source

**Jill Mondry CAVS**, Director of Volunteer Services, Nemours Children's Hospital/Orlando

## Private Room NICU: Why You Should Make the Change

Are you debating the shift from ward configuration to private room NICU? This presentation addresses the design process for both the design team and NICU Staff. We will explore how to engage the NICU Staff in transition planning from a ward configuration to a single room model, along with design considerations. Evidence from Cleveland Clinic's Hillcrest Hospital 33 bed Level III NICU will be used to compare prior ward configuration to actual outcomes, gathered over two years since opening.

**Tina DiFiore RN**, Neonatal Nurse Practitioner/Clinical Nurse Specialist, Cleveland Clinic Hillcrest Hospital

**Philip LiBassi AIA, ACHA**, Principal, Westlake Reed Leskosky

**Maryann M. Yavor MSN**, Nurse Manager - Neonatal Services, Cleveland Clinic's Hillcrest Hospital

## Setting the Standard (for Healthcare's Most Rapidly Developing: Imaging)

Nowhere is healthcare technology and practice evolving more quickly than in radiology nuclear medicine and radiation therapy. This session will look at a repeated professional collaboration which was instrumental in the formulation of the VA Imaging Series Design Guides (released in 2008) and has worked this year on new Space Planning Criteria for these technical areas for the DoD. The presentation will look at the latest technologies and trends in healthcare imaging technology.

**Tobias Gilk**, Sr. Vice President, RADIOLOGY-Planning (RAD-Planning)

**Robert P. Junk AIA, AHRA**, Principal, RAD-Planning

**Ronald Villasante, RA, CAP, MRCP**, March, Professional Associate, Senior Federal Management Consultant, Director of Federal Healthcare Planning, HDR Architecture

## Transforming Healthcare Design, Planning and Delivery

The three speakers represent a lean consultant healthcare project architect and a healthcare system project manager who are jointly working on a Canadian Greenfield hospital using an integrated project delivery format and a lean approach. Lean principles will be reviewed citing examples of their deployment in both the pre-construction design team sessions and with the multidisciplinary clinical team striving to implement lean processes in their new hospital as it becomes operational.

**David Chambers**, VP Healthcare Consulting, HOK

**John Ligouri**, Executive Director, Five Hills Health Region

**Eric Ubersax**, Project Manager, Devenney Group

## Facility Strategies to Increase Market Share in a Competitive Market

This session will outline Capital Health's facility strategy that included new Outpatient Facilities a new 268-bed hospital and over \$100M of renovations to their downtown Trenton, New Jersey location, featuring a new ED and Regional Perinatal Center that resulted in Capital Health increasing patient revenues to become the most profitable health system in New Jersey. Included will be a discussion of how Capital Health was able to secure the largest HUD-insured financing package to date.

**Paula Crowley**, Chief Executive Officer, Anchor Health Properties

**Larry DiSanto**, Executive VP and COO, Capital Health

**Patricia D. Malick AAHID, EDAC**, Principal, Practice Area Leader for Interior Design, Array Architects, Inc.

**Shane Williams, AIA, ACHA, LGB**, Principal and Practice Area Leader for Design, Array Architects, Inc.

## Integrated Outpatient Centers – Planning, Programming and Implementation

Health systems across the country are anticipating the demands of healthcare reform by planning off-campus outpatient centers that integrate services into a single high-quality efficiently designed facility located close to where people live. NexCore Group recently collaborated with United Health Services in Binghamton NY to develop an 85,500 square foot integrated outpatient center in an underserved market. The project team will discuss the planning, programming, and construction of the facility.

**Mervyn Alphonso**, Managing Director Development, NexGore Group

**Kim Prentice**, Managing Director Development & Operations, NexCore

## The City and the Storm: New Paradigms in Healthcare Planning

What happened to New York City, Monday, October 29, 2012, is commonly referred to as Hurricane Sandy. Nicknamed "the storm of the century" Sandy forever advanced the way New York Presbyterian (NYP) supports NYC. As many hospitals in lower Manhattan were unable to sustain patient care and facility operations, and as evacuations ensued and power failure extended through lower Manhattan, the response evidenced a culture resolved to meet the needs of patients against all odds, and many lessons were learned. These lessons were collected and analyzed to create a Hazard Vulnerability Mitigation Plan (HVMP) to enhance disaster recovery capability and minimize impacts.

**Thomas Breglia PE**, Corporate Director, OFD-E, New York Presbyterian Hospital

**Christopher Brennan**, Director of OFD-E (Office of Facilities Development - Engineering), New York Presbyterian Hospital

**Ken Chien**, Program Manager, Jones Lang LaSalle

**Ellie Dalton**, VP, Capital Asset Planning & Development, New York Presbyterian Hospital

**Beryl Muniz**, Vice President for Perioperative Services, New York Presbyterian Hospital/Weill Cornell Medical Center



## Generative Product Interaction: Improving Health Outcomes Through Advanced Ergonomic Design

Growing concern over the potential hazards of increased computer usage and the adoption of electronic medical records (EMR) in healthcare settings has prompted a recent and increased emphasis on improving workplace design with advanced ergonomic concepts. According to the U.S. Bureau of Labor Statistics, nurses are 200% more likely to suffer



from job-related injuries than construction workers or farmers. This session engages the attendee to personally explore and experience emerging advanced ergonomic design concepts for healthcare settings.

**Nona Gross LEED-AP CI**, Workplace Strategy & Design and Workplace Resources, Siemens Corporation

**Jonathan Puleio M.Sc. CPE**, Director of Consulting, Humanscale

**Lachezar Tsvetanov**, Director of Industrial Design, Humanscale

4:00 pm - 5:00 pm

### BIM-FM Case Studies at Northwestern Memorial Healthcare; Refining Data

Three years ago Northwestern Memorial Hospital (NMH) issued an enterprise mandate requiring BIM/VDC technologies and processes on all projects both new and renovation. That mandate began "with the end in mind" and a goal of successful BIM-enabled FM at close out. In this session we will take a real-time look at several live NMH projects exhibiting integrated project delivery (IPD) behaviors and methodologies used as laboratories to investigate optimizing BIM/VDC and BIM-enabled FM systems.

**Jay Dougherty LEED AP**, Associate Director - Healthcare Real Estate & BIM Services, Navigant Consulting, Inc.

**Shrimant Jaruhar LEED AP**, BIM Manager - Facility Planning and Construction, Northwestern Memorial HealthCare

### California Gold (LEED-HC)

Kaiser Permanente is reshaping healthcare design through their focus on Total Cost of Ownership. The Kaiser Permanente Central San Diego Hospital project team adopted the use of LEED HC for the new 600,000 square foot building. The team set a goal of LEED HC Gold, a first for a California hospital using the new HC tool. Working together as an integrated design team, Kaiser staff, CO Architects, Hensel Phelps and Arup set ambitious energy and water targets early in the design process.

**Damian Buessing**, Operations Manager, Hensel Phelps Construction Co.

**Travis English, PE, CEM, LEED AP**, Engineering Manager, Facilities Planning, Kaiser Permanente

**Russell Fortmeyer, LEED AP BD+C**, Senior Consultant, Sustainability Leader, Arup

**Frances Moore, AIA, LEED AP BD+C**, Associate Principal, CO Architects

### Re-examining Public-private Partnerships – The Barts and Royal London

Capital constraints are an issue faced by many hospitals in today's ever-changing healthcare landscape. In this presentation, learn about a new delivery method to the U.S. which has been very successful in other countries in identifying funding for large capital projects. Public-private partnerships provide hospitals with an option for addressing requirements associated with the recently passed Affordable Care Act, increasing competition, unstable financial markets, and much needed renovations.

**Andrew Quirk RA, FHFI**, Senior Vice President & National Director, Healthcare Center of Excellence, Skanska USA

**Martine Gagnon MBA**, Portfolio Director, Skanska Infrastructure Development, Co-Lead, Skanska Global Healthcare Center of Excellence

### Innovations in ICU Design: Making Order out of Disorder

The Intensive Care Unit has a propensity to be in perpetual disarray. We will explore design approaches to minimize the "mess" by focusing on the patient room and visitor areas, integration of ICU devices into a unified medical and ICU information system, "smart" data and alarm management, eICU applications, and

time synchronization. Finally we will investigate Real Time Locating Systems and Solutions (RTLS) for asset and people management and environmental control.

**Neil A. Halpern**, Chief Critical Care Medicine, Memorial Sloan-Kettering Cancer Center

### The Deconstructed Workspace for Medical Staff

Dutch hospitals are drastically changing the work environments and thus the nature of work for medical staff. Individual offices are sacrificed and changed into knowledge centers in order to optimize work flow, optimize use of space better, accommodate patients, and create work environments within buildings that have infrastructures and structures that fully support change. This session will share how Dutch hospitals did away with individual offices and got away with it!

**Fiona de Vos PhD**, Owner, Studio dVO

### The Accountable Care Era: Designing the Collaborative Care Environment

Using detailed case studies this session will explore the strategies and techniques academic medical centers used to successfully design for collaborative care. We will examine Loyola's groundbreaking Burr Ridge Outpatient Center Northwestern's Comprehensive Center on Obesity (NCCO) and Vanderbilt's new Critical Care Tower. We also will explain how the design best practices of these projects can be applied to the need for greater collaboration and integration in other providers' projects.

**Cynthia B. Facemire**, Director, VUH Expansion and Transition, Vanderbilt University Hospital

**Sharon Llewa-Carter, AIA, LEED BD+C**, Executive Director, Healthcare, Duke Realty

**Mark Maturo AIA, NCARB**, Dir. of Design, Proteus Group

**Daniel Post**, Senior Vice President - Clinical Programs & Practice Development, Loyola University Health System

### Case Study: Integrated Project Delivery at Children's Hospital Colorado

The Children's Hospital Colorado project team is currently completing a 365,000 square foot addition and renovations under a tri-party IPD contract. The team was able to provide substantial advantages—reducing waste and optimizing efficiency throughout all phases of design and construction. This presentation will examine the IPD delivery method and discuss the collaboration necessary among team members to successfully deliver the project.

**Patrick Johnson**, Principal, H+L Architecture

**Doug Mangers**, Project Director, McCarthy Building Companies Inc.

**Rhonda Skallan**, Director of Property, Planning and Management, Children's Hospital Colorado



### The Generative Space Primer: Learning From The 2013 "Generative Space Award" Recipients

Meet the recipients of the 2013 "Generative Space Award" (to be announced). See their submittals; learn from their presentations; engage with these leading pioneers in a discussion about how both systemic and sustainable improvements to health, healthcare, and wellbeing can be made through the design of the environment; and then plan your own strategy for submitting your pioneering projects to the 2014 "Generative Space Award" in June 2014.

**Wayne Ruga, PhD, FAIA, FIIDA, Hon. FASID**, Founder and President, The CARTAS Project

## Wednesday, October 2

8:00 am - 9:00 am

### Outcomes and Cost Implications for Sustainable Design for Hospital Planning

A comparative study of eleven hospitals determines the return on investment for sustainable design for a new hospital. In addition to energy and water conservation, the built environment has measurable outcomes related to human resources patient satisfaction and operational management. A framework for evaluating a facility's impact on the organization including the bottom line is discussed through an evidence-based approach.

**Laura Detke**, Director of Innovation, RAD Consultants

**Debra Harris PhD**, CEO, RAD Consultants



### Enhanced Philanthropy by Design

Today's economics of providing high-quality healthcare in state-of-the-art facilities requires a funding source which goes beyond traditional financing through operational means alone. The best academic and community hospitals in the U.S benefit from philanthropy and are receiving monetary gifts at an unprecedented rate despite the economy. This session will illustrate the benefits of a coordinated capital campaign and the utilization of design in this process.

**Deborah Breen**, President, Aspen Valley Hospital Foundation

**Russell A. Sedmak**, Vice President/Director of Healthcare Design, Heery International

### Role of Standardization and Prefabrication in Hospital Design & Construction

The project is a 360-bed 830,000 square foot replacement hospital. With goals of increased operational efficiency, improved quality, and compressed schedule in mind, the team corroboratively identified repeated elements for standardization and prefabrication. Elements selected include wall panels, toilets, headwalls, and multi-trade racks. Innovative tools and approaches were employed to meet the modified work sequence and aggressive schedule.

**Al Davis**, Vice President of Facilities, Exempla Healthcare

**Bill Gregor**, Construction Executive, Mortenson Construction

**Sarah Simpson**, Principal/Project Manager, H+L Architecture



### DISCUSSION FORUM: Enhancing Patient Satisfaction Through the Built Environment

Patient satisfaction is a top goal of hospitals throughout the U.S. and the physical environment can be a major factor in enhancing the patient experience. In the 2012 HealthLeaders Media Patient Experience Survey nearly 84 percent of top-level U.S. healthcare executives said that patient experience is among their top three priorities, and 24 percent say it is their top priority. This session will feature six new designed facilities that scored well above the national average in HCAHPS scoring, and share what aspects of the built environment were proven to enhance the patient and family experience through post occupancy studies, including what decisions gave the best value for money spent.

**Sheila F. Cahnman, AIA, ACHA, LEED AP**, Vice President, Healthcare Market Sector Leader, AECOM

# Conference at a Glance

## Monday, September 30 *(Pre-Conference – Separate registration required)*

12:30 PM - 6:00 PM	PRE-CONFERENCE WORKSHOP: Generative Space Master Class
1:00 PM - 5:00 PM	PRE-CONFERENCE WORKSHOP: Healthcare is Unsustainable! How One Simple Idea Can Change Everything
1:00 PM - 2:15 PM	ACHA Exam Prep Seminar
2:00 PM - 3:30 PM	Pre-Conference Tour – CAF's Architecture River Cruise
3:00 PM - 4:00 PM	AAHID Exam Prep Workshop

## Tuesday, October 1

8:00 AM - 9:00 AM	<b>Welcoming Breakfast</b>			
9:00 AM - 10:15 AM	<b>Welcoming Ceremony &amp; Opening Keynote</b>			
10:30 AM - 11:30 AM	The Russian-American Medical Center in Tver, Russia	Panel Discussion: Forming Better Partnerships Between Owners and Architects	Using Lean Processes to Improve Healthcare Facility Outcomes	Lessening the Fear and Anxiety of Cancer Treatment
11:45 AM - 12:45 PM	Sustainable Energy Strategies: Alternative Medicine for the Health of Your Community	FHA Credit Enhancement for Healthcare Mortgages – Lowering Cost of Capital	What is the Impact of CMS Use of NFPA 101: Life Safety Code 2012?	Design, Occupy, Measure, The Evolution of Team-Based Care Cells
12:45 PM - 2:00 PM	<b>Symposium Networking Luncheon</b>			
2:15 pm - 3:45 pm	<b>Creative Inspiration from Students: Innovative Design Solutions to “Creating Generative Space Environments for an Aging Population</b>			
2:15 PM - 3:45 PM	Unveiling the Structure and Benefits of a Community Supported Art Program	Private Room NICU: Why You Should Make the Change	Setting the Standard (for Healthcare's Most Rapidly Developing: Imaging)	Transforming Healthcare Design, Planning and Delivery
4:00 PM - 5:00 PM	BIM-FM Case Studies at Northwestern Memorial Healthcare; Refining Data	California Gold (LEED-HC)	Re-examining Public-Private Partnerships – The Barts and Royal London	Innovations in ICU Design: Making Order Out of Disorder
5:00 PM - 6:30 PM	<b>Symposium Party in the Exhibit Hall</b>			

## Wednesday, October 2

7:30 AM - 7:45 AM	<b>“Peeking Through a Hole In The Construction Barrier”: An Inspirational Glimpse Into a New Future</b>			
7:00 AM - 8:00 AM	<b>Breakfast</b>			
8:00 AM - 9:00 AM	Outcomes and Cost Implications for Sustainable Design for Hospital Planning	Enhanced Philanthropy by Design	Role of Standardization and Prefabrication in Hospital Design & Construction	DISCUSSION FORUM: Enhancing Patient Satisfaction Through the Built Environment
9:15 AM - 10:15 AM	<b>KEYNOTE—Rebooting Healthcare: Black Swan Change In Healthcare Delivery &amp; Design</b> Ron Galloway			
10:00 AM - 3:00 PM	<b>Exhibit Hall Open</b>			
10:30 AM - 2:45 PM	<b>LEARNING LOUNGE:</b> <i>See detailed schedule on page 14</i>			
1:00 PM - 2:15 PM	The Ongoing Evolution of the Clinical Liaison Role at Parkland	Saint Mary's Health Care – LEAN Operations Process Improvement Success	Color Critical Ambient Light for Optimal Visual Acuity and Patient Safety	DISCUSSION FORUM: How Does Your Mobile Device Impact the Future of Healthcare?
2:00 PM - 3:00 PM	<b>Closing Reception in the Exhibit Hall</b>			
3:00 PM - 4:00 PM	Making Visible the Presence of Spirituality in Healing Ourselves and Our Communities	Simulating Future Processes and Technology in Peri-Operative Trauma Care	VA Campus for the Future – The New VA Las Vegas Medical Center	DISCUSSION FORUM: Renovate Smart! Strategies For a More Cost-Effective Transformative Future
4:15 PM - 5:15 PM	Built Environment as Care Tool – Look Beyond Aesthetics	Reduce Cost and Improve Staff Satisfaction by Smart Hospital Design Process	Managing Barriers In Today's Healthcare Environment	DISCUSSION FORUM: The Case for Sustainability Business
6:00 PM - 8:00 PM	<b>Humanscale Networking Mixer</b>			

## Thursday, October 3

7:00 AM - 8:00 AM	<b>Breakfast</b>			
8:00 AM - 9:00 AM	Late Breaking Session	How to Create Rehab Spaces That Meet the Needs of Patients But Not the ADA		
9:15 AM - 10:15 AM	Development and Operation of Sustainable Employee Garage and Childcare Center	Hedging Your Bets: High Performance with High Stakes		
10:30 AM - 11:30 AM	<b>CLOSING SESSION—The Secret Life of Healthcare: Industry Experts Tell All</b>			
11:30 AM - 3:30 PM	<b>Facility Tours</b> <i>See Page 13 for tour descriptions</i>			



# Conference at a Glance

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An Elegant Approach to Integrated Retail and Healthcare Services	"The Living Science Center" A Facility Created to Keep Kids Healthy	Evaluating the Hospital of the Future – Applying Lessons Learned	Generative Space Roundtable Discussion: Shared Learnings and Improvements from Practitioners.
The Next Time We Do This... Lessons Learned from Building Lurie Children's	New Directions in the Design of Adolescent Addiction Treatment Centers	The ACO Phenomenon – Technology's Role in the Future of Healthcare	Health Design Leadership: Improving Lives – It's Up To You

**that Create 'A Place to Flourish'® Throughout the Continuum of Experiences"**

Facility Strategies to Increase Market Share in a Competitive Market	Integrated Outpatient Centers – Planning Programming and Implementation	The City and The Storm: New Paradigms in Healthcare Planning	Generative Product Interaction: Improving Health Outcomes Through Advanced Ergonomic Design
The Deconstructed Workspace for Medical Staff	The Accountable Care Era: Designing the Collaborative Care Environment	Case Study: Integrated Project Delivery at Children's Hospital Colorado	The Generative Space Primer: Learning From The 2013 "Generative Space Award" Recipients

Using Reverse Innovation to Improve Health in Developing and Developed Worlds	Accelerated and Collaborative PD&C to Rebuild Mercy Joplin	Get Your Ducks in a Row! A Methodology for Prioritizing Planning	The Future Inpatient Bedroom – Improving Clinical Outcomes and Financial Performance by Optimizing Inpatient Mobility and Minimizing Bed Dependency
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The Theme-Driven Design of a Children's Hospital	Hospital Re-use Marries Mission & Margin with New Tier III + Data Center	Healthcare 2014: The Tipping Point Year to Transformation	Nanaimo ED: "A Place to Flourish"® So is It, One Year Later?
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If You Build It They Will Change	The Future of Healthcare: New Survey Enlightens on Possible Shifting Forces	LEED Hospitals: Perspectives on Cost Premiums and Operational Benefits	The Science of Designing with Color: Effective Choices for Colored Surfaces, Colored Lights, and Patterns in Generative Spaces
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Growing from Within: Expansion and Renovation Innovations at UPMC Mercy ED	Creating a Masterplan for Renovation	Designing a Leading-Edge Inpatient Unit in Canada's Largest Cancer Centre	Late Breaking Session
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Designing, Implementing, and Maintaining, Comprehensive Compliance Programs	Radically Altering the Operating Room and Navigating Change	Generative Lighting Design: Part I
Plasticity and Place: Health Facility Design Through a Neuroscience Lens	Project Risk – IPD vs. Conventional Delivery	Generative Lighting Design: Part II

**Complete session descriptions  
and up-to-date speakers  
are available at  
[www.hcarefacilities.com](http://www.hcarefacilities.com)  
Please visit for expanded  
information on all sessions!**

## Using Reverse Innovation to Improve Health in Developing & Developed Worlds

Traditionally reverse innovation has been applied to both products and healthcare services, yet it was never applied to healthcare buildings. Our team was able to apply reverse innovation in buildings at which healthcare services are provided, while ensuring public and environmental health. This session will be based on a case study in Haiti and the efforts that were undertaken to rebuild a hospital in Milot.

**Walter N. Vernon, IV, PE, LEED AP**, CEO/Principal, Mazzetti Nash Lipsey Burch

## Accelerated and Collaborative PD&C to Rebuild Mercy Joplin

The new Mercy Hospital Joplin is scheduled to open 45 months after the tornado hit Joplin—pushing the traditional limits of hospital PD&C in response to the community's need. This session will illustrate how the entire project team worked together using lean techniques such as co-location and design-assist, to accelerate PD&C on the new \$449 million, 875,000 square foot replacement facility.

**Harold Baca**, Director of Engineering, Guarantee Electrical Construction Company

**Jamison Bloebaum**, Midwest Division Leader, Heideman Associates, Inc., a Zak Company

**John Farnen**, Executive Director of Special Projects, Mercy

**Stephen Hancock**, Vice President -Project Development, U.S. Engineering Company

**Tate Jacobitz**, Project Director, McCarthy Building Companies, Inc.

**Tim Solohubow**, Senior VP, HKS Architects, Inc.

**Mike Stapf**, Preconstruction Director, McCarthy Building Companies, Inc.

## Get Your Ducks in a Row! A Methodology for Prioritizing Planning

In this presentation we will share the value of performing an unbiased comprehensive facility environmental assessment and then using that tool as a guideline for planning and prioritizing capital projects. We will also explain some of the tools developed to create a data-driven look at real estate condition by interweaving patient satisfaction metrics and utilization to help guide decisions. We will then explain the roll-out of this tool into a long-range facility master plan.

**Lisa Abbott**, Sr. Interior Designer, Eppstein Uhen Architects

**Robin Anderson**, Sr. Project Architect, Eppstein Uhen Architects

**Pam Kleba**, Design Coordinator/Project Manger, ProHealth Care

**Rebecca Twohig**, Interior Designer, Eppstein Uhen Architects



## The Future Inpatient Bedroom – Improving Clinical Outcomes and Financial Performance by Optimizing Inpatient Mobility and Minimizing Bed Dependency

Hospitals are the only places where patients are relegated to performing all their activities of daily living in bed—and rarely by medical necessity or patient choice. Despite best-intentioned efforts to create mobility by all concerned stakeholders, these efforts are unsuccessful. In this participatory workshop session, we will explore designing a more generative patient room with its conventional bed as a “murphy-style bed,” apply lean concepts to eliminate waste, and articulate the conditions of a new future state that will become the vision for a new hospital planning and design reality.

**Joseph Livengood MD, FACS**, Chief Operating Officer, Livengood Medical

1:00 pm - 2:15 pm

## The Ongoing Evolution of the Clinical Liaison Role at Parkland

Parkland has created a unique organizational structure which includes clinical liaisons to be the bridge between the current hospital and the new 3,000,000 square foot replacement campus. This year we will present how to maintain momentum and remain on schedule during organization changes and public scrutiny.

**Linda Castleman RN**, Program Director/Clinical Liaison, Clinical Coordination, Parkland Health and Hospital System

**Gay Chabot RN, BS**, Program Director/Clinical Liaison, Medicine & Surgery Services, Parkland Health & Hospital System

**Jodi Donovan RN, MSN, PMP, EDAC**, Program Director/Clinical Liaison, Clinical and Non-Clinical Support Services, Parkland Health & Hospital System

**Kathy Harper, RN, MBA, EDAC**, Vice President for Clinical Coordination, Parkland Health & Hospital System

## Saint Mary's Health Care – LEAN Operations Process Improvement SUCCESS

Saint Mary's HealthCare Grand Rapids campus provides variety of surgical service including: Bariatric surgery; Breast cancer surgery; Cancer surgery; Neurosurgery; Orthopedic surgery; Robotic and minimally invasive surgery; Urogynecologic and Urologic surgery. Diagnostic and Treatment process improvement methodology employed LEAN-conversion from push to pull; Kaizen event and A3 thinking; value stream mapping and flow analysis; effort was completed with Plan-Do-Study-Act 5S implementation.

Todd M. Arbaugh, Manager Business Development, Surgical Services, Saint Mary's Health Care

**Vladislav Torskiy, RA, AEAI, MS. Arch, LEAN Healthcare CP**, Vice President and Project Director, Clinical Solutions Group, HKS

**Kathleen Wells RN, BSN**, Nurse Manager, Saint Mary's Health Care



## Color Critical Ambient Light for Optimal Visual Acuity and Patient Safety

Within the climate of healthcare accountability, hospital general lighting must now be considered as a cost-effective means for delivering patient safety through early detection of life threatening conditions. This session will examine an international standard for observing skin and provide examples where a benefit also exists for improved visual acuity and reduced occupant visual discomfort within senior living physician offices and walk-in clinic environments. This session is approved for HSW.

**Deborah Burnett ASID, CMG, LGC, AASM**, Principal, Benya Burnett Consultancy

## DISCUSSION FORUM: How Does Your Mobile Device Impact the Future of Healthcare...The Star Trek Medical Tricorder is Here!

Having the world of medical diagnostics in the palm of your hand is no longer science fiction. Through the use of tablets and smartphones, medical diagnostic tools are becoming more mobile and more available to doctors and patients. With each day, more manufacturers are creating apps and medical products that can safely and securely turn your mobile devices into medical diagnostic tools. What is the future of this technology, and what does it mean to the future of patient care?

**Joseph W. Kryza MBA**, Executive Director, UMHS Infrastructure and System Operation

**Grant Ramsay**, Principal, Director of Technology Design, exp.

## The Theme-Driven Design of a Children's Hospital

Beyond introducing “kid-friendly” decorative elements over the past decade, children's hospitals have utilized comprehensive design strategies: “Integrating Theming.” This approach differs from the conventional design process as it affects programming design and management decisions throughout the process. Presenters will offer an overview of recent trends/approaches and different perspectives on Integrated Theming through a case study of a major new children's hospital.

**Leon Drachman AIA, LEED GA**, Principal, Payette

**A. Craig Hillemeier**, Professor and Chair of the Department of Pediatrics and Medical Director, Penn State Hershey Children's Hospital

**Gil S. Pak**, Operations Director, Penn State Hershey Children's Hospital

**Laura Poltronieri AIA, NACHRI**, Principal, Poltronieri Tang & Associates

## Hospital Re-use Marries Mission & Margin With New Tier III+ Data Center

In 1999 Catholic Health System in Buffalo, NY merged two hospitals due to close proximity, declining inpatient volume, and declining population. Catholic Health promised they would find a suitable reuse for the Our Lady of Victory (OLV) Hospital campus. The result was the OLV Senior Neighborhood. Over the course of more than a decade of effort, the following mixed-use solution was built and operationalized: Senior Housing, Skilled Nursing, Program of All-inclusive Care for the Elderly, “Main Street” Concourse, Tier III Co-location Data Center, health system emergency and archive storage centers. This session will focus upon detailed communication of each major project component developed, especially the newest and final venture—a state-of-the-art Tier III+ colocation data center!

**Michael DiGiore**, Director, Victory Technology Center

**Patricia O'Connor**, Executive Director, Our Lady of Victory Renaissance Corporation, Administrator, Mercy Nursing Facility, OLV Senior Neighborhood

**David J. Vitka**, Vice President, Facility Planning & Property Management, Catholic Health System

## Healthcare 2014: The Tipping Point Year to Transformation

2014 will be the tipping point in the transformation of American Healthcare. The most significant components of the PP & ACA will be initiated over the next twelve months. This presentation will preview the year on a healthcare calendar with milestone dates and strategic implications. As the insurance exchanges open their doors and all states expand their Medicaid programs, a new set of rules drives success. New business models are revealed along with the culprits of dollar-driven healthcare.

**Marc Sauvé MBA**, Principal, Senior VP, Healthcare Strategy, Gresham Smith & Partners



## Nanaimo ED: “A Place to Flourish”® – So is It, One Year later?

A follow up to a 2011 presentation, this session looks at the new ED which saw its first patients in the fall of 2012, and answers the question: “How is it really working?” Sparked by the challenge to create an “environment that staff would want to come to on their day off,” the new ED at Nanaimo in Canada may be the first in the world to include nature imbued courtyards within actual patient treatment zones.

**Suzanne Fox**, Director, Emergency Services and Trauma Care, Vancouver Island Health Authority

**Bruce Raber**, Vice President, Practice Leader for Healthcare, Stantec Architecture

3:00 pm - 4:00 pm

### Making Visible the Presence of Spirituality in Healing Ourselves and Our Communities

Throughout time the presence of God or faith has been at the core of the healthcare experience. Many faith-based hospitals that were founded by nuns or other clergy struggle to maintain their identity and serve the new and diverse communities of this decade. In this session you will learn through a variety of case studies how modern day hospitals share their faith using visual art, sculptures, branding and displays, creating sacred spaces and Interfaith Chapels and how this work is becoming a component of the healing process.

**Annette Ridenour**, President & CEO, Aesthetics Inc.

**Leah Goodwin**, Director of Arts Programs and Fundraising Strategies, Aesthetics, Inc.

### Simulating Future Processes & Technology in Peri-Operative Trauma Care

Cedars-Sinai Medical Center (CSMC) and a multidisciplinary team of experts in process improvement, human factors, research, trauma, and architecture are proposing to test and document the efficacy of new processes and technology in peri-operative trauma care. CSMC is creating a new open environment to facilitate interdisciplinary and creative interactions. The hybrid space allows flexible research and simulation areas academic offices and collaborative environments.

**Carlos L. Amato, AIA, ACHA, LEED AP BD+C, EDAC**, Principal/Western Region Healthcare Market Leader, Cannon Design

**Angela Buickians AIA**, Senior Architect, Facilities Planning, Design and Construction, Cedars-Sinai Medical Center

**Bruce L. Gewertz**, Surgeon-in-Chief, Chair of the Department of Surgery, Cedars-Sinai Medical Center

**Ezequiel "Zeke" Triana AIA, LEED AP**, Director, Facilities Planning, Design and Construction, Cedars-Sinai Medical Center

### VA Campus for the Future – The New VA Las Vegas Medical Center

In 2005, the joint venture of RTKL/JMA was engaged to master plan and design a new 1,000,000 square foot medical campus north of Las Vegas for a growing veteran population. The panel will discuss the approach taken to programming budget reconciliation and the design, as the team developed a new hospital for the 21st century while examining lessons learned from the RED BOOK. The team will discuss the planning of this multi-use campus, its expansion plan, and approach to sustainability.

**Mitchell L. Collin, AIA, LEED BD+C**, Project Designer/Sustainability Leader, RTKL Associates Inc

**Darris Peterson, Assoc. AIA**, Vice President Healthcare Studio, JMA Architectural Studios

**T. Scott Rawlings, AIA, FACHA, LEED AP**, Vice President - Healthcare Design Leader, RTKL Associates, Inc.

**Steve Stern**, Special Assistant to the Director, VA Southern Nevada Healthcare System

### DISCUSSION FORUM: Renovate Smart! Strategies for a More Cost-Effective Transformative Future

During this time of rapid transformation and innovation within the healthcare industry, costs and efficiencies have become increasingly significant benchmarks for facilities. The design team, hospital staff, and all involved in the delivery of healthcare will need to place a greater focus on value creation and opportunities for more efficient design and operational strategies. How do we do more with less? The implementation of modular design, reuse and

repurposing, interchangeable finishes and spaces, and future planning for technology advancements are some of the solutions to be discussed.

**Elise Drakes Assoc. AIA**, Project Coordinator, TAYLOR

**Matt Johnson, Assoc. AIA, LEED AP BD+C**, Senior Project Manager, TAYLOR

**Anza Vang**, Project Manager, Hoag Memorial Hospital Presbyterian

### If You Build It They Will Change

In 2000, planning for a new hospital in Hagerstown, MD started. After a variety of delays and challenges, it finally opened in December 2010. During that long gestation period electronic medical records were piloted and integration across the health system was deepened. Key decision makers retired. Five new businesses now required space within the hospital. After being open for 2½ years none of the directors or managers who participated during the visioning of the project remain in the hospital. The clinical construction coordinator moved onto process improvement. We visited the hospital to see how the systems that were designed fared.

**Kristie L. Carbaugh**, Project Manager, Office of Operations Improvement, Meritus Medical Center, Inc.

**Raymond A. Grahe**, Chief Financial Officer, Meritus Medical Center, Inc.

**William W. Heun AIA**, Partner, Matthei & Colin Associates



### The Future of Healthcare: New Survey Enlightens on Possible Shifting Forces

Healthcare in the U.S. is currently undergoing the most extreme transformational paradigm shift in over a century. As a technical builder of some of the nation's most advanced healthcare facilities DPR conducted a research initiative to better understand the long-term trends that its healthcare customers will have to manage in the coming decade and asked owners designers and management consultants: Where is the industry heading? How will healthcare be delivered?

**Stephen Brigham**, Director Planning and Projects, UA Health Network

**Hamilton Espinosa**, Director - Healthcare Market Sector, DPR Construction

**Angela Watson**, Principal, Shepley Bulfinch

### LEED Hospitals: Perspectives on Cost Premiums and Operational Benefits

The authors of the original study on first cost capital premiums in LEED certified healthcare buildings will provide an update, based on new interviews with project design teams representing 15 LEED-certified hospitals completed between 2010 and 2012. The study expands and updates the 2008 research to understand how capital cost premiums have evolved reasons that influence hospitals' decisions to pursue LEED and what future trends and expectations are on the horizon for the industry.

**Breeze Glazer LEED AP BD+C**, Research Knowledge Manager, Perkins+Will

**Robin Guenther FAIA**, Principal, Healthcare Design Leader, Perkins+Will

**Gail Vittori, LEED Fellow**, Co-Director, Center for Maximum Potential Building Systems



### The Science of Designing with Color: Effective Choices for Colored Surfaces, Colored Lights, and Patterns in Generative Spaces

This presentation will describe how colors—on surfaces, in light, or combined in patterns—can be used to support improved user experiences in generative spaces. It will provide research-based guidance for designers, so that as they are choosing color they can use science-based knowledge to consider how hue, saturation, and brightness—as well as users' culture and personal factors—influence the effects of color on the wellbeing of the individual users.

**Sally Augustin PhD**, Principal, Design With Science

4:15 pm - 5:15 pm



### Built Environment as Care Tool – Look Beyond Aesthetics

With humorous but real examples, we will look at results of misinformed design and solutions to these dilemmas. Bringing to the table understanding of disease effects visual-spatial capabilities treatment, processes destination hierarchy and expected response to color and pattern in visual elements, and is truly necessary to properly serve your healthcare clients. Attend to hear innovative design ideas that sprang from the examples to be presented.

**Penny Martin PhD**, NP, Principal, Healthful Design, LLC

### Reduce Cost and Improve Staff Satisfaction by Smart Hospital Design Process

In our session we will provide best practice examples from lean construction in hospital design in Europe—mainly Germany. We will outline the challenges of the hospital's situation as well as the specific approaches we took to set up the planning process following the DFSS (design for six sigma) and lean toolbox. We will describe the planning process where we conducted more than 150 workshops with almost 100 staff involved in a two year process. We will provide case example data to demonstrate that it is possible to reduce investment cost while optimizing medical core processes and staff satisfaction.

**Hartwig Jaeger MD, PhD**, archimeda

### Managing Barriers in Today's Healthcare Environment

Healthcare facility managers throughout the nation are continually reminded of the perpetual nightmare of fire-stopping deficiencies throughout their facilities. The looming threat of the Joint Commission continual preparedness, electronic SOC™ (Statement of Conditions), and online Requirements for Improvement (RFI) reporting negate the age-old approach to avoiding the hidden holes in the walls. Joint Commission Standard LS.02.01.40 (Health Care) states that "The organization provides and maintains special features to protect individuals from the hazards of fire and smoke." What historically had been "out of sight, out of mind" is a now a focus of the Joint Commission life safety surveyors, CMS surveyors, fire marshals and city inspectors alike.

**Jeffrey Combs**, The Cleveland Clinic

**Kelly Mason**, National Healthcare Manager, Specified Technologies Inc.

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## DISCUSSION FORUM: The Business Case for Sustainability

Many organizations have difficulty committing to sustainability because of the tremendous number of competing resource demands within healthcare. This session illustrates the business case for sustainability using a triple bottom-line methodology (people, planet, profit), with specific focus on the intersection of sustainability and facilities management. An approach to assessment, gap analysis, structure, accountability, culture, improvement process, targeted initiatives and measurement will be reviewed. Specific case study examples will be provided by Spectrum Health to illustrate the need for, and benefits of, incorporating a balanced approach to sustainability.

**Rick Ament**, Founder and CEO, Strategic Organizational Sustainability Partners

**Sarah Chartier**, Sustainability Coordinator, Spectrum Health

**Josh Miller**, Senior Consultant, Strategic Organizational Sustainability Partners

## Growing from Within: Expansion and Renovation Innovations at UPMC Mercy ED

Need new emergency exam space while not closing your existing ED or being able to construct the project in a new location? You can "go internal." As a Level 1 Trauma center, decreasing the number of patient care examination rooms was never an option for UPMC Mercy's construction phasing. Learn about the innovative measures the facility used to add more than 23 clinical examination rooms and associated support areas to their existing ED.

**Todd Dunaway AIA, EDAC**, Principal, Architects, GBBN Architects

**Valerie Krasneski-Schreiber, RN,BSN,MS,CEN,SANE-A**, Unit Director, UPMC Mercy Hospital

## Creating a Masterplan for Renovation

Northwestern Memorial Hospital was challenged to update its 10-year old bed tower to better align interiors to meet brand and capital expenditure requirements over a 20-year improvement cycle. This evaluation allowed the team to create a master-plan for refurbishment. Implementing the plan allowed the team to prioritize across multiple competing projects and select those that had the most impact to patient satisfaction as well as aligned with business requirements.

**Sarah Bader, RID, LEED AP, EDAC**, Principal, Gensler

**Mark Bussey**, Sr. Superintendent, Skender Construction

**Carol Simpson**, Project Manager, Northwestern Memorial Hospital

## Integrating Leading-edge Technologies in a Cancer Centre: Lessons Learned

The Princess Margaret Cancer Centre has an ongoing capital equipment replacement program. Innovative solutions to overcome the challenges of introducing new technologies into existing buildings and allow the integration of these technologies will be discussed. Several examples of complex projects that combine multi-modality first-of-its-kind cancer diagnosis and treatment equipment will be presented. Through case studies, this session will discuss lessons learned from such complex projects.

**Rudy J. Dahdal MHS, (HA)**, Director, Planning & Redevelopment, Princess Margaret Cancer Centre - University Health Network

**Frank Panici, B.Arch., -OAA**, Principal, NORR Limited Architects Engineers Planners

## Thursday, October 3

8:00 am - 9:00 am

### How to Create Rehab Spaces that Meet the Needs of Patients But Not the ADA

Why would a design team strive for ways to avoid accessibility requirements in all patient spaces? This case study explores the challenges of an existing renovation at Aspirus Wausau Hospital and how the project acquired approval to waive ADA requirements to better meet the needs of the patients.

**Margaret D. Anderson M.D., F.A.A.P.M.R.**, Medical Director Aspirus Wausau Hospital Rehabilitation Unit, Aspirus Wausau Hospital

**Kristina Vasinda Assoc. AIA**, Project Coordinator, HDR Architecture, Inc.

### Designing, Implementing and Maintaining Comprehensive Compliance Programs

Compliance is the foundation guiding hospital operations and helping maintain the environment of care. It includes testing, evaluation and maintenance of critical equipment, building systems and life-safety programs. Compliance has far-reaching implications on quality of care, patient safety/satisfaction and long-term success. Learn why developing and maintaining a rigorous compliance program can't be overlooked, and how effective compliance and facility maintenance operations go hand-in-hand.

**Michael Chisholm**, Vice President, Jones Lang LaSalle

**Anthony Dickamore**, VP Facilities & Project Management, Kindred Healthcare

**Teresa Stewart RN**, Vice President of Clinical Quality Compliance, Jones Lang LaSalle

### Radically Altering the Operating Room and Navigating Change

In an OR environment where surgeons, cardiologists, nurses and radiologists work side-by-side and all staff practice the same perioperative standards of care for all patients, new strategies had to be realized to prepare staff for this enormous cultural shift. This session covers lessons learned from a project that has transformed its culture of care to embrace best clinical practices, introduce new technology, and improve efficiency in a facility that is six times larger.

**Barbara Anderson**, Associate Partner, Operational Planner, ZGF Architects LLP

**Judith Canfield BSN, MHA**, Director of Perioperative and Interventional Cardiology Services, Providence Regional Medical Center



### Generative Lighting Design: Part I

Since the invention of electric lighting, architects, and designers have pondered the role of light for building interiors, day and night. But until the 1940's, the limits of electric lighting continued to demand daylight as the principal source of illumination by day, with the less powerful incandescent light sources allowing activity in the evening and night hours at far lower light levels. Then, the nearly concurrent inventions of air conditioning and fluorescent lighting made large windowless buildings possible. Interior space could be illuminated to resemble daylight at any time. The result is a society that works 24 hours a day, with the unfortunate side effects of sleep disorders, Vitamin D deficiency and other struggles to maintain the pace. This two-part presentation will address the role of light and lighting in generative space through the designing of daylighting and electric lighting.

**James R. Benya, PE, FIES, FIALD**, Director, Advanced Lighting Design Program, California Lighting Technology Center, University of California at Davis

9:15 am - 10:15 am

### Development and Operation of Sustainable Employee Garage & Childcare Center

A post-occupancy case study of the planning and first year operational experience of a previously presented but now constructed health care campus, employee garage, and child care center. Elements from the development of the business plan to the role of sustainable design are highlighted as means of attaining support and funding for the project. A candid self-evaluation of the process is discussed—including actual performance of the project ranging from functional to sustainability perspectives.

**Maria Lin, Director**, Human Resources, Northwestern Memorial HealthCare

**James Mladucky**, Director, Planning and Design, Northwestern Memorial HealthCare

### Hedging Your Bets: High Performance with High Stakes

All capital projects assume risk. In healthcare the quality of the building system's design is critical. As technology and ease of collaboration grows there is a relentless worldwide demand for new healthcare facilities that are more robust more sophisticated and more sustainable. These two realities create a marketplace that forces engineers to think smart and think fast while hedging risks and exceeding the expectations of healthcare experts around the globe.

**William Huffman**, Vice President of Facilities, Design, and Construction, The University of Chicago Medicine

**Chan-Li Lin**, Partner/Director, Rafael Vinoly Architects PC

**Kenneth Panucci PE, CEM**, Senior Vice President, Primera Engineers, Ltd.

**Paul Petska**, Managing Principal, Affiliated Engineers, Inc.

### Plasticity and Place: Health Facility Design Through a Neuroscience Lens

This session assimilates the dual perspectives of a neuroscientist and an architect in a novel approach to experiencing healthcare architecture. In particular the following will be examined: new knowledge about brain function in health and disease; a neuroscientist's observations of parallels between brains and buildings; an architect's observations of scientific processes as design tools; and ways to apply our understanding of the brain in order to reshape our healthcare facilities.

**Bill Rostenberg, FAIA, FACHA, ACHE, EDAC**, Senior Principal, Stantec Architecture

**Indre Viskontas**, Affiliate Research Scientist - Memory & Aging Center, UC-San Francisco

### Project Risk – IPD vs. Conventional Delivery

Project risk—real or implied—plays a significant role in the pricing of a project. The IPD delivery process promises higher value at a lower cost in significantly less time yet many people believe that this is the result of the Owner accepting more risk. We will explore the topic of risk and how it is viewed from an Owner's, a Contractors, and a Lawyers perspective for both conventionally delivered and IPD projects.

**Dave Kievet**, Group President - Western Operations, The Boldt Company

**Will Lichtig**, Vice President Business and Process Development, The Boldt Company

**William Seed**, Staff Vice President - Design and Construction, Universal Health Services, Inc.



### Generative Lighting Design: Part II

For description see Part I.

## Tuesday, October 1

8:00 AM - 9:00 AM

### Welcoming Breakfast

Kick off your 2013 Symposium experience by coming together with all your peers for the Welcoming Breakfast. *Open to conference attendees, speakers & press.*

12:45 PM - 2:00 PM

### Symposium Luncheon

*Open to conference attendees, speakers & press.*

2:15 PM - 3:45 PM

### Creative Inspiration from Students: Innovative Design Solutions to "Creating Generative Space Environments for an Aging Population that Create 'A Place to Flourish'® Throughout the Continuum of Experiences"

AIA Chicago



The CARITAS Project

AIA Chicago, in partnership with The CARITAS Project and the AIA Chicago Healthcare Knowledge Community (CAIA HCKC), presents the work of students to: expand our thinking; challenge our

paradigms; illustrate new, more desirable futures; and inspire our imagination of what is possible. This panel discussion with students from around the world, who have come to Chicago to participate in a hosted Design Charrette, will present their designs for comment from a panel of guest generative space experts, and discussion with attendees.

**Terence Houk AIA**, Senior Designer, HDR Architecture, Chicago AIA Healthcare Knowledge Community Event Planner

**David Nienhueser, Associate AIA**, Medical Planner, VOA Associates, Chicago AIA Healthcare Knowledge Community Co-Chairman

5:00 PM - 6:30 PM

### Symposium Party in the Exhibit Hall

Celebrate 26 years of the Symposium at this can't miss event! Enjoy music and food while visiting with exhibitors and interacting with your peers.

## Wednesday, October 2

7:00 AM - 8:00 AM

### Breakfast

*Open to conference attendees, speakers & press.*

7:30 AM - 7:45 AM

### "Peeking Through a Hole in The Construction Barrier": An Inspirational Glimpse Into A New Future

The AIA Student Charette, being featured at this year's HFSE, is an attempt to provide both the fuel and the spark to ignite the creative inspiration for this strategic intervention by bringing today's students together in those conditions that will support their development into becoming tomorrow's leaders. In this brief session, summarizing the work of the Charette, you will meet these future leaders and experience the transformational inspiration of their fresh visions for a new future.

**Terence Houk AIA**, Senior Designer, HDR Architecture, Chicago AIA Healthcare Knowledge Community Event Planner

**David Nienhueser, Associate AIA**, Medical Planner, VOA Associates, Chicago AIA Healthcare Knowledge Community Co-Chairman

10:00 AM - 3:00 PM

### Exhibit Hall Open

2:00 PM - 3:00 PM

### Closing Reception in the Exhibit Hall

Visit the Exhibit Hall one final time this year. Enjoy drinks as you view new, exciting products and services and network with your peers.

6:00 PM - 8:00 PM

### Humanscale Networking Mixer

Network in a Humanscale Designed Environment! Visit the Humanscale Showroom at the Merchandise Mart and view products while enjoying drinks, appetizers and networking with colleagues.



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## Thursday, October 3

7:00 AM - 8:00 AM

### Breakfast

*Open to conference attendees, speakers & press.*

## THE SYMPOSIUM DISTINCTION AWARDS

The highly esteemed Symposium Distinction Awards competition honors design teams and individuals who have made a profound contribution to the healthcare design industry. In addition, it recognizes the best and most innovative new products exhibited at the Symposium. Winners will be recognized during the event.

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### Design Awards

- Team Award
- User-Centered Award
- Individual Award
- George Pressler Under 40 Award

### Product Awards

- Most Innovative
- Most Sustainable
- Architects' Choice

To enter the 2013 Symposium Distinction Awards please visit [www.hcarefacilities.com/awards.asp](http://www.hcarefacilities.com/awards.asp)

**Entry deadline: August 2, 2013**

## Facility Tours

Monday, Sept. 30 • 2:00 - 3:30 PM

### PRE-CONFERENCE TOUR: Chicago Architecture Foundation's Architecture River Cruise

CAF's Architecture River Cruise spotlights over 50 historic and architecturally significant sites. Come aboard either of our well-appointed vessels, Chicago's First Lady, Chicago's Little Lady and Chicago's Fair Lady where open-air and indoor seating will add comfort to your journey. **Separate registration is required for this tour only. To register for this tour visit [www.hcarefacilities.com](http://www.hcarefacilities.com) for more information.**

Thursday, October 3 • 11:30 AM - 3:30 PM

### TOUR #1: Little Company of Mary Hospital Transformation Project

LCMH engaged VOA in partnership with Power Constructor for a far-reaching campus modernization plan that positions LCMH for future growth and market leadership. The transformation project involves 280,000 square feet of new construction and 50,000 square feet of renovated space. This modernization reinvigorates and distinguishes Little Company of Mary service lines. Their mission, ministry and individual character are evident in the style and scale of the architecture and related interior.

### TOUR #2: Alexian Brothers Women and Children's Hospital at Saint Alexius Medical Center

Proteus Group has provided master planning, programming, planning, architecture and interior design services for the modernization plan for Saint Alexius Medical Center. The medical center will go from a facility with less than ten percent private rooms to one hundred percent private rooms by 2016. As the first step in this transformation, the hospital constructed a 6-story East Pavilion with basement to house Women's and Children's Services as well as support and conference facilities.

### TOUR #3: University of Chicago Medicine, Center for Care and Discovery

The 10-story, 1.2 million square foot Center for Care and Discovery is transforming how the University of Chicago Medicine delivers care for all patients—using leading-edge technology and innovative research to deliver advanced clinical treatments in a superior healing environment. Spacious, easily navigable, and lavishly daylit, the building uses design to foster collaboration and interaction among doctors, researchers, clinicians and staff to continue world-class science and medicine.

## Healing Garden

Tuesday, October 1 • 5:00 PM - 6:30 PM

Wednesday, October 2 • 10:00 AM - 3:00 PM

Take a break and visit the Healing Garden in the Exhibit Hall. Experience the design components and therapeutic elements that make this place *healing*. Learn how Healing Gardens benefit patients by improving medical outcomes, reducing stress, and elevating the immune system.



### Wednesday, October 2

Open  
to ALL  
Attendees!

10:30 AM - 11:00 AM

#### Merging Design with IT: A Technology Plan That Works for All

Jeff Carpenter, National Director of Technology, KJWW Engineering Consultants

11:15 AM - 11:45 AM

#### Multiply Your Security and Lower Your Cost with Wireless Technology

Marilyn Collins EDAC, Director Business Development - Healthcare, ASSA ABLOY

12:00 PM - 12:30 PM

#### Are You Using Your Digital Potential to Your Facilities Advantage?

Ray Steeb, President and CEO, FASTTAC, Inc.

12:45 PM - 1:15 PM

#### Improving Infection Control Using Real-Time IP-Based Facilities Monitoring

R. Douglas Schultz, Chief Technology Officer, Oberon  
Ronald Smith, Facilities Director, La Rabida Children's Hospital

1:30 PM - 2:00 PM

#### The Emerging Role of Virtual Reality Technology in Healthcare Design

Katy Dale, Research Fellow, University of Minnesota School of Architecture  
Amy Douma, Associate Vice President, HGA Architects and Engineers

Russell Williams, Vice President, Operations, Fairview Southdale Hospital

2:15 PM - 2:45 PM

#### Using the Medical Grade Wireless Utility to Fix American Healthcare

Nathan T. Larmore, CCNP, ICNC, MCSE, LPIC, Principal, Practice Leader, Technology Services, Sparling  
Tod Moore RCDD, CDCD, Principal, Director Technology Consulting, Sparling American Healthcare

Register for a FREE EXPO PASS... visit the Exhibit Hall and attend education sessions in the Learning Lounge.

## The Exhibitors/Sponsors

More than 200 companies will be displaying their products and services in the Exhibit Hall. The following is a partial list of our show participants as of May 1, 2013. Check the event website for updates.

Acorn Vac	EOS Surfaces	Multivista
Aesthetics, Inc.	ETS - Lindgren	NanaWall
AISC	EwingCole	Oberon Wireless
Alcoa Architectural Products	Excel Dryer, Inc.	Olee Creative
Altro Floors and Walls	FASTTAC	Payette
Ambius	FEC Heliports	PDi Communication Systems
Amico Corporation	Forbo Flooring Systems	Poblocki Sign Company
APCO Sign System	Four Winds Interactive	Primex Wireless
ARCH Framing & Design Inc.	Francis Cauffman	Principle Group
Armstrong Medical Industries, Inc.	Frontier Construction	Ragnar Benson Construction
Armstrong World Industries	GAF Materials Corp.	RTKL Associates Inc.
ASI Sign Systems, Inc.	GCX Corporation	Schluter Systems L.P.
ASSA ABLOY	Glasteel	Servidyne
Barco, Inc.	HDR Architecture, Inc.	Shannon Specialty Floors
BASF Construction Chemicals	HKS	Sherwin-Williams
Belfor Property Restoration	HSI (Hospital Systems, Inc.)	Signets
Besam	Humanscale Healthcare	Sika Flooring
BIMSHIFT	Hussey Copper	SimplexGrinnell
BlueWater Technologies	Hycrete, Inc.	Skender Construction
BOLYU		Sky Factory
Cannon Design		Skyfold
Carlisle SynTec Systems		Sound Ergonomics LLC
Carstens		Specified Technologies
Cazador		Spectrim Building Products, LLC
Centiva		Stantec
CertainTeed		Steve Matson Fine Art
Champion Manufacturing, Inc.		Stryker
CITF		Swan Corporation
Clayton Industries		Tee Jay Service / Horton
Comfort Designs, Inc.		Automatics
CompX Security Products		TeleHealth Services
Cooper Wiring Devices		The Blue Book Building Network
Copper Development Association Inc.		The Container Store
CPI Daylighting, Inc.		TMA Systems
Creteseal		TownSteel, Inc.
Culligan International		UltraViolet Devices, Inc.
Designiterative		Vetrotech Saint-Gobain
Dex-O-Tex by Crossfield Products Corp.		Visa Lighting
Draeger Medical, Inc.		Vistamatic LLC
Draper, Inc.		VT Industries, Inc.
DSM in Floor Coatings		Walsh Construction Company
Dur-A-Flex, Inc.		Wausau Window and Wall Systems
Edwards		West-Com Nurse Call Systems, Inc.
ELKAY		Whitehall Mfg.
EMCOR Medical Facility Services		Winlectric
Ensto		World Dryer Corporation

### EXHIBIT HALL HOURS:

**Tuesday, October 1**  
5:00 PM - 6:30 PM  
Symposium Party

**Wednesday, October 2**  
10:00 AM - 3:00 PM

For information on exhibits and sponsorships, please contact Linda Keller at 203-371-6322 or [linda@jdevts.com](mailto:linda@jdevts.com).



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## REGISTRATION OPTIONS:

	<b>Deadlines:</b>	<b>Early-Bird Pricing</b> Through July 26th	<b>Late Advance Pricing</b> After July 26th	<b>Onsite Pricing</b>
<b>Pre-Conf.: Generative Space Master Class</b>		\$395	\$495	N/A
<b>Pre-Conf.: Healthcare is Unsustainable! Workshop</b>		\$275	\$375	N/A
<b>Full Conference Pass</b> Includes 2½ Days of Conference Sessions, 2 Days of Exhibit Hall, Keynotes, Breakfast & Lunch both days, Receptions, Access to Online Presentations <b>Does NOT include Pre-conference Workshop or Facility Tours</b>		\$1,095	\$1395	\$1,595
<b>Full Conference Pass for Healthcare Facilities Personnel</b> Includes the same as the full Conference Pass but is available only for those employed by health systems, hospitals, medical office buildings		\$795	\$995	\$1,195
<b>Exhibit Hall &amp; Keynote Pass</b>		\$0	\$0	\$50
<b>Exhibit Hall &amp; Keynote Pass for Manufacturers</b>		\$195	\$295	\$495
<b>Tuesday Only Pass</b>		\$495	\$695	\$895
<b>Wednesday Only Pass</b>		\$445	\$645	\$895
<b>Guest Pass</b> Access to Exhibit Hall, Keynotes, Receptions, Lunch		\$395	\$595	\$845
<b>Facility Tours</b> October 3, 2013, 11:30 AM–3:30 PM: • TOUR #1: Little Company of Mary Hospital • TOUR #2: Alexian Brothers Women and Children's Hospital • TOUR #3: The University of Chicago Medicine's Center <b>Tours can ONLY be added to a Full Conference Pass</b>		\$50	\$50	N/A

## HOW TO REGISTER:

**Web** [www.hcarefacilities.com](http://www.hcarefacilities.com)  
**Phone** 203-371-6322  
**Fax** Download registration form from [www.hcarefacilities.com](http://www.hcarefacilities.com) and fax to 203-371-8894  
**Mail** Download registration form from [www.hcarefacilities.com](http://www.hcarefacilities.com) and mail to:  
 HFSE c/o JD Events  
 5520 Park Avenue, Suite 305  
 Trumbull, CT 06611

## Group Rates

Bring the entire team! Discounts start with groups of just three or more. For more details please call 631-725-8645.

## Special Pricing:

Government and Academic rates are available. Call 203-371-6322 to inquire.

Corporate PO's are not accepted.

PLEASE NOTE: Show management reserves the right to qualify any and all attendees to its events. We reserve the right to deny access to any individual that does not qualify, at our discretion, as an industry professional.

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We're so confident you'll benefit from your experience, your registration fee is 100% guaranteed! Get your money's worth... or get your money back! This guarantee covers your registration fee but not travel, hotel or any other expenses incurred. Written notice of all claims must be submitted, in writing, to show management within 10 days of the event. "No-shows" are not eligible. This does not apply to schedule/presenter changes.



**Please visit [www.hcarefacilities.com](http://www.hcarefacilities.com) for our cancellation policy.**

## Hotel Reservations

HFSE has reserved a limited number of rooms at the Sheraton Chicago Hotel & Towers. The deadline for these discounted rates is Friday, Sept. 6, 2013. Please see [www.hcarefacilities.com/travel.asp](http://www.hcarefacilities.com/travel.asp) or call 800-233-4100 and mention Healthcare Facilities Symposium for discounted rates and reservation information. Free shuttle bus service will be provided between the Sheraton Chicago Hotel & Towers and Navy Pier during all three days of the event. **Please be sure to make your reservations early, as rooms fill up quickly and are available on a first-come, first-served basis.**

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**AMY SICKLER, RID, LEED AP ID+C**, Principal and Interior Design Director, Perkins+Will

## Owner



**"This is My Symposium** because the organization listens to the attendees for ways to improve the Symposium. It hosts **team presentations that reflect current or alternative methods** for planning and design. I highly recommend the Symposium to anyone involved in the planning and design of healthcare facilities."

**DENNIS SHEILS**, Team Leader, Project Planning & Development, Office of Construction & Facilities Mgmt., US Department of Veterans Affairs

## Engineer



**"This is My Symposium** because this meeting goes beyond design and construction—it really deals with **healthcare delivery**. How do we create healthcare delivery platforms? That's what I hear more of at this meeting than any other I attend. Frankly I wouldn't miss the Symposium. This is **'the' meeting in healthcare.**"

**TERRY MILLER BS, EE**, Executive Vice President, Gene Burton & Associates

## Architect



**"This is My Symposium** because it offers the opportunity to **hear directly from clients** about their most pressing facilities issues and concerns. It also provides a forum to address industry forecasts, as well as **showcasing the latest products** that support the healthcare industry."

**SUE ANN BARTON, AIA, LEED AP B+D, EDAC**, Principal, ZGF Architects LLP

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