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CONFERENCE
October 1-3, 2013

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Navy Pier, Chicago, IL

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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.

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**GROUP DISCOUNTS for organizations and design teams! Call 203-371-6322 for details on groups of 3 or more.**

**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 Augustine**
  Principal
  Design With Science

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

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

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- **Gary Collins**, AIA, NCARB
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- **Ann McGaun**
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- **Craig Miller**
  Senior Project Manager
  JACOBS Global Buildings North America

- **Lynn Murphy**
  Director of Facilities Services
  Northwestern Medical Faculty Foundation

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  Vice President & Project Director
  KNOX Advisors I HKS

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  Vice President, Facility Planning
  Catholic Health System

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

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!

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!

Thank you to the following for the photos used on the cover brochure: Exterior Photography © Artez; Interior Photography © Corey Stovin
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.**

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.

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

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.

**1:00 pm - 2:15 pm**

**ACHA Exam Prep Seminar**

**3:00 pm - 4:00 pm**

**AAHID Exam Prep Workshop**

**12:30 pm - 6:30 pm**

**Generative Space Master Class**

**1:00 pm - 5:00 pm**

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

**3:00 pm - 4:00 pm**

**AAHID Exam Prep Workshop**

**1:00 pm - 2:15 pm**

**ACHA Exam Prep Seminar**

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**Generative Space Master Class**

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

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**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**

**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, IDA, Director of Planning and Interiors, Lehigh Valley Health Network
Catherine L. Gow AIA, Principal - Health Facilities Planning, Francis Cauffman
Natalie Miovski, 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 design company 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 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.

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 healthcare-related and convenience-based retail. Insights concerning the business case including inventive formprams 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 Kemishe 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, Steffan Bradley Architects
John Saad, LEED AP, HFDP, Managing Principal, Vanderweil Engineers


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...
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!

Judi 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 Mondon GAVS, 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 consideration from 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 DiFiores 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

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 contributions 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, ACAH, 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, NexCore 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, ODF-E, New York Presbyterian Hospital
Christopher Brennan, Director of ODF-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

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Mervyn Alphonso, Managing Director Development, NexCore Group
Kim Prentice, Managing Director Development & Operations, NexCore
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, Humaniscale

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 exhibitting 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 that maximizes value for money spent.

Andrew Quirk RA, BBA, FIHFI, 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 the 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! Fionna 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 will also 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, UH VanHos and Transition, Vanderbilt University Hospital

Sharon Lleva-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 improving efficiency throughout all phases of designing 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

GS

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 submissions; 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 CARITAS Project

To register or for the most up-to-date information visit www.hcarefacilities.com
## Conference at a Glance

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>12:30 PM - 6:00 PM</td>
<td>PRE-CONFERENCE WORKSHOP: Generative Space Master Class</td>
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<tr>
<td>1:00 PM - 5:00 PM</td>
<td>PRE-CONFERENCE WORKSHOP: Healthcare is Unsustainable! How One Simple Idea Can Change Everything</td>
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<tr>
<td>1:00 PM - 2:15 PM</td>
<td>ACHA Exam Prep Seminar</td>
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<tr>
<td>2:00 PM - 3:30 PM</td>
<td>Pre-Conference Tour – CAF’s Architecture River Cruise</td>
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<tr>
<td>3:00 PM - 4:00 PM</td>
<td>AAHID Exam Prep Workshop</td>
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### Tuesday, October 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00 AM - 9:00 AM</td>
<td>Welcoming Breakfast</td>
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<tr>
<td>9:00 AM - 10:15 AM</td>
<td>Welcoming Ceremony &amp; Opening Keynote</td>
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<tr>
<td>10:30 AM - 11:30 AM</td>
<td>The Russian-American Medical Center in Tver, Russia</td>
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<tr>
<td>10:30 AM - 11:30 AM</td>
<td>Panel Discussion: Forming Better Partnerships Between Owners and Architects</td>
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<tr>
<td>11:45 AM - 12:45 PM</td>
<td>Sustainable Energy Strategies: Alternative Medicine for the Health of Your Community</td>
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<td>11:45 AM - 12:45 PM</td>
<td>FHA Credit Enhancement for Healthcare Mortgages – Lowering Cost of Capital</td>
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<tr>
<td>12:45 PM - 2:00 PM</td>
<td>Symposium Networking Luncheon</td>
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<tr>
<td>2:15 PM - 3:45 PM</td>
<td>Unveiling the Structure and Benefits of a Community Supported Art Program</td>
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<tr>
<td>2:15 PM - 3:45 PM</td>
<td>Private Room NICU: Why You Should Make the Change</td>
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<tr>
<td>2:15 PM - 3:45 PM</td>
<td>Setting the Standard (for Healthcare’s Most Rapidly Developing: Imaging)</td>
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<tr>
<td>2:15 PM - 3:45 PM</td>
<td>Transforming Healthcare Design, Planning and Delivery</td>
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<tr>
<td>4:00 PM - 5:00 PM</td>
<td>BIM-FM Case Studies at Northwestern Memorial Healthcare; Refining Data</td>
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<td>4:00 PM - 5:00 PM</td>
<td>California Gold (LEED-HC)</td>
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<tr>
<td>4:00 PM - 5:00 PM</td>
<td>Re-examining Public-Private Partnerships – The Barts and Royal London</td>
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<tr>
<td>5:00 PM - 6:30 PM</td>
<td>Symposium Party in the Exhibit Hall</td>
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### Wednesday, October 2

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

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>7:00 AM - 8:00 AM</td>
<td>Breakfast</td>
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<tr>
<td>8:00 AM - 9:00 AM</td>
<td>Late Breaking Session</td>
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<tr>
<td>8:00 AM - 9:00 AM</td>
<td>How to Create Rehab Spaces That Meet the Needs of Patients But Not the ADA</td>
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<tr>
<td>9:15 AM - 10:15 AM</td>
<td>Development and Operation of Sustainable Employee Garage and Childcare Center</td>
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<tr>
<td>9:15 AM - 10:15 AM</td>
<td>Hedging Your Bets: High Performance with High Stakes</td>
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<tr>
<td>10:30 AM - 11:30 AM</td>
<td>CLOSING SESSION—The Secret Life of Healthcare: Industry Experts Tell All</td>
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<tr>
<td>11:30 AM - 3:30 PM</td>
<td>Facility Tours See Page 13 for tour descriptions</td>
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<tr>
<td>Time</td>
<td>Session Title</td>
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<tr>
<td>7:00 AM - 8:00 AM</td>
<td>Healthcare Environment The Case for Sustainability and Renovation Innovations at for Renovation Inpatient Unit in Canada's</td>
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<tr>
<td>9:00 AM - 10:15 AM</td>
<td>Evaluating the Hospital of the Future – Applying Lessons Learned</td>
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<tr>
<td>10:30 AM - 11:30 AM</td>
<td>“The Living Science Center” A Facility Created to Keep Kids Healthy</td>
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<tr>
<td>11:45 AM - 12:45 PM</td>
<td>Sustainability Energy Strategies: FHA Credit Enhancement for What is the Impact of CMS Design, Occupy, Measure,</td>
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<tr>
<td>12:45 PM - 2:00 PM</td>
<td>Accelerated and Collaborative PD&amp;C to Rebuild Mercy Joplin</td>
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<tr>
<td>2:00 PM - 3:00 PM</td>
<td>Minimizing Bed Dependency Hospital Planning  Design &amp; Construction Through the Built Environment and Developed Worlds</td>
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<tr>
<td>3:00 PM - 4:00 PM</td>
<td>Integrating Outpatient Centers – Planning, Programming and Implementation</td>
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<tr>
<td>4:15 PM - 5:15 PM</td>
<td>Discourse for the Future – Applying Lessons Learned</td>
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<tr>
<td>5:15 PM - 6:00 PM</td>
<td>The Future Inpatient Bedroom – Improving Clinical Outcomes and Financial Performance by Optimizing Inpatient Mobility and Minimizing Bed Dependency</td>
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<tr>
<td>6:00 PM - 7:00 PM</td>
<td>The City and The Storm: New Paradigms in Healthcare Planning</td>
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<tr>
<td>7:00 PM - 8:00 PM</td>
<td>Case Study: Integrated Project Delivery at Children's Hospital Colorado</td>
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<tr>
<td>8:00 PM - 9:00 PM</td>
<td>The Deconstructed Workspace for Medical Staff</td>
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<tr>
<td>9:00 PM - 10:15 PM</td>
<td>The Theme Driven Design of a Children’s Hospital Hospital Re-use Marries Mission &amp; Margin with New Tier III + Data Center</td>
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<tr>
<td>10:15 PM - 11:30 PM</td>
<td>Nanaimo ED: “A Place to Flourish™” So is it, One Year Later?</td>
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<td>If You Build It They Will Change The Future of Healthcare: New Survey Enlightens on Possible Shifting Forces</td>
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<td>12:45 PM - 1:00 PM</td>
<td>LEED Hospitals: Perspectives on Cost Premiums and Operational Benefits</td>
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<td>1:00 PM - 2:15 PM</td>
<td>The Science of Designing with Color: Effective Choices for Colored Surfaces, Colored Lights, and Patterns in Generative Spaces</td>
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<td>2:15 PM - 3:45 PM</td>
<td>Growing from Within: Expansion and Renovation Innovations at UPMC Mercy ED Creating a Masterplan for Renovation</td>
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<tr>
<td>3:45 PM - 4:00 PM</td>
<td>Designing a Leading-Edge Inpatient Unit in Canada’s Largest Cancer Centre</td>
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<tr>
<td>4:00 PM - 5:00 PM</td>
<td>Late Breaking Session</td>
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<tr>
<td>5:00 PM - 6:00 PM</td>
<td>Integrated Retail and Developing Health of Your Community for Mortgages – Use of NFPA 101: Life Safety</td>
</tr>
<tr>
<td>6:00 PM - 7:00 PM</td>
<td>The Next Time We Do This… Lessons Learned from Building Lurie Children’s New Directions in the Design of Adolescent Addiction Treatment Centers</td>
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<tr>
<td>7:00 PM - 8:00 PM</td>
<td>The ACO Phenomenon – Technology’s Role in the Future of Healthcare</td>
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<tr>
<td>8:00 PM - 9:00 PM</td>
<td>Health Design Leadership: Improving Lives – It’s Up To You</td>
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<tr>
<td>9:00 PM - 10:15 PM</td>
<td>Generative Space Roundtable Discussion: Shared Learnings and Improvements from Practitioners.</td>
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**GROUP DISCOUNTS**

Call 203-371-6322 for details on groups of 3 or more.
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 which 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; Urologic and Urology 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 SS implementation. Todd M. Arbaugh, Manager Business Development, Surgical Services, Saint Mary’s Health Care

Vladislav Torskiy, RA, AIAE, MS, Arch, LEAN Health-care VP, 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 livingphysician 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 the pre-requisite 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+ collocation 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 component of the PP & ACA will be implemented 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

GS

Nanaimo ED: “A Place to Flourish”® – So is it, One Year Later?

A follow up to a 2012 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 own volition,” 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
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 and reconfiguration 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 Yang, 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, Stapley Butinch

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 and influence owners’ 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

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, archimedia

Managing Barriers in Today’s Healthcare Environment

Healthcare facility managers throughout the nation are continually remedied of the perpetual nightmare of fire-stopping deficiencies throughout their facilities. The looming threat of the Joint Commission continual preparedness, electronic SOP™ (Statement of Conditions), and online Requirements for Improvement (RFI) reporting negates 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 now a focus of the Joint Commission life safety surveys, CMS surveyors, fire marshals and city inspectors alike.

Jeffrey Combs, The Cleveland Clinic
Kelly Mason, National Healthcare Manager, Specified Technologies Inc.
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 Vasindas Assoc. AIA, Project Coordinator, HDR Architecture, Inc.

Designing, Implementing and Maintaining Comprehensive Compliance Programs
Compliance is the foundation guiding hospital opera-
tions 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. Learning 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, introduced new technology and improved 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 design of daylighting and electric lighting.
Rudy J. Dahdal MHSc(RA), Director, Planning & Redevelopment, Princess Margaret Cancer Centre - University Health Network
Frank Panici, B.Arch., QAA, Principal, NORR Limited Architects Engineers Planners

GS 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, 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

Thursday, October 3
7:00 AM - 8:00 AM
Breakfast
Open to conference attendees, speakers & press.

Special Events
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.

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
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 for more information.

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.

To register or for the most up-to-date information visit www.hcarefacilities.com
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.

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

For information on exhibits and sponsorships, please contact Linda Keller at 203-371-6322 or linda@jdevents.com.
### REGISTRATION OPTIONS:

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<thead>
<tr>
<th>Deadlines:</th>
<th>Early-Bird Pricing</th>
<th>Late Advance Pricing</th>
<th>Onsite Pricing</th>
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<tr>
<td>Pre-Conf.: Generative Space Master Class</td>
<td>$395</td>
<td>$495</td>
<td>N/A</td>
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<tr>
<td>Pre-Conf.: Healthcare is Unsustainable! Workshop</td>
<td>$275</td>
<td>$375</td>
<td>N/A</td>
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<tr>
<td>Full Conference Pass</td>
<td>Includes 2½ Days of Conference Sessions, 2 Days of Exhibit Hall, Keynotes, Breakfast &amp; Lunch both days, Receptions, Access to Online Presentations</td>
<td>$1,095</td>
<td>$1395</td>
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<tr>
<td>Full Conference Pass for Healthcare Facilities Personnel</td>
<td>Includes the same as the full Conference Pass but is available only for those employed by health systems, hospitals, medical office buildings</td>
<td>$795</td>
<td>$995</td>
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<td>Exhibit Hall &amp; Keynote Pass</td>
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<td>Exhibit Hall &amp; Keynote Pass for Manufacturers</td>
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<td>Tuesday Only Pass</td>
<td>$495</td>
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<td>Wednesday Only Pass</td>
<td>$445</td>
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<tr>
<td>Guest Pass</td>
<td>Access to Exhibit Hall, Keynotes, Receptions, Lunch</td>
<td>$395</td>
<td>$595</td>
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<tr>
<td>Facility Tours</td>
<td>October 3, 2013, 11:30 AM – 3:30 PM:</td>
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<tr>
<td>• TOUR #1: Little Company of Mary Hospital</td>
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<tr>
<td>Tours can ONLY be added to a Full Conference Pass</td>
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### HOW TO REGISTER:

**Web**  |  www.hcarefacilities.com

**Phone**  |  203-371-6322

**Fax**  |  Download registration form from www.hcarefacilities.com and fax to 203-371-8894

**Mail**  |  Download registration form from www.hcarefacilities.com and mail to:
HFSE 90 RJ 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.

### Your Satisfaction is Guaranteed!
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 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 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.

To register or for the most up-to-date information visit www.hcarefacilities.com
This is my Symposium...

**Interior Designer**

“*This is My Symposium* because it brings together a large group of experts in a meaningful intimate collaborative environment. I always leave feeling energized from the multidiscipline teams I have spent time with and know my projects, teams and clients will benefit from the time spent at the Healthcare Symposium.”

AMY SICKELER, 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 for addressing 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