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- Create customized online libraries by purchasing different ICC products and other references and standards.
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Welcome to Building Innovation 2016

Dear Building Innovation 2016 Attendees,

Thank you for joining us for the National Institute of Building Sciences Fourth Annual Conference and Expo. We are excited to host the gathering of building industry professionals where Science meets Design® to connect, collaborate and create solutions for Achieving a Resilient Future.

For over 40 years, the Institute's mission has been to bring together representatives from the entire building community to develop solutions. At Building Innovation 2016 we are honored to unite the industry for five full days of activities designed to enlighten, motivate and inspire collaboration, idea sharing and problem solving. I hope you find all of the speakers, presentations, discussions, exhibits and networking events interesting and informative.

You will see the Institute in action as the industry's advocate and leader as you participate in diverse programming designed to highlight advancements in science and technology and foster ideas for achieving high performance and resilience in buildings and communities. On Monday, you can choose to influence the education of future industry professionals at the Workshop on Building Science Education in North America or be there to witness the release of the newest research on high-performance facilities at the Academy for Healthcare Infrastructure Forum. On Tuesday, you'll have a first-hand view of how the Institute works to improve the built environment and find ways to get involved in the process as you attend Board, Council and Committee meetings where our projects and programs are presented and discussed. The programming on Wednesday and Thursday includes four symposia in two collaborative tracks where you can examine efforts underway within multiple segments of the industry and develop solutions for achieving resilience. On Friday, see a successful high-performance project from the project team's perspective and hear the Institute's view of the industry's future during the Plenary Symposium.

Throughout the week, you can gain educational credits; network with colleagues; see the latest in science and technology on the Exhibit floor; and get inspired by two award ceremonies. Our exciting program will facilitate learning and give you insights into the latest advancements from our industry's leading experts.

Building Innovation 2016 lets you explore many interesting topics, attend fascinating sessions and learn from informative speakers. The symposia will provide knowledge and real-world solutions for achieving high performance and resiliency.

I would like to thank our many partners and sponsors, who have made this event possible through their generous support; our exhibitors and advertisers, for choosing to be a part of Building Innovation 2016; and the many speakers and volunteers, who have contributed their time and attention to make this event a success.

On behalf of the National Institute of Building Sciences Board of Directors, Councils, Committees and Staff, welcome! We hope you find Building Innovation 2016 an enjoyable experience.

Sincerely,

Henry L. Green, Hon. AIA
President

P.S. We value your feedback as we plan for the next conference and will follow up with a post-conference comment survey by email for your input. Please tell us how we did and give us your suggestions for improvement.
What You Need to Know:

**Registration Desk:** The Conference Registration Desk is located on the second floor across from the stairway and to the left of the elevators. It will be open Monday – Thursday, 7:00 am – 5:00 pm and Friday, 10:00 am – 12:00 noon. Check in at the Registration Desk to register or to pick up your registration package. The Institute’s staff is available to assist you with any questions.

**Conference Name Badges:** Your name badge is your ticket to each event during the Conference. Please wear it at all times while in the conference facility for security reasons and for admission into each event, including lunches. If you are interested in attending a session not included in your registration, please visit the Registration Desk to check availability and to register. Should you lose your badge, please return to the Registration Desk to report it missing and to obtain a replacement.

**Special Needs or Dietary Restrictions:** Should you require any assistance or have any dietary restrictions, please inform the attendants at the Registration Desk and we will assist you in meeting these requirements.

**Cell Phone Usage:** Out of courtesy to speakers, presenters and other attendees, please silence your cell phones during the Conference and refrain from using your cell phones while attending any of the sessions, meetings or events.

**Internet:** Access to the hotel WiFi is available to all attendees throughout the meeting space. Use the code: BI2016

**Exhibit Hall:** The Exhibit Hall is located on the second floor in the prefunction area outside of the meeting rooms. It will be open Wednesday, January 13, 9:30 am – 7:00 pm and Thursday, January 14, 8:00 am – 1:30 pm.

**Exhibit Hall Events:**
- Walking Lunch, Wednesday, January 13, 12:00 pm – 1:30 pm
- Exhibitors Reception, Wednesday, January 13, 5:30 pm – 7:00 pm

**Lunch Locations:** Luncheons will take place daily, per the following schedules:

- **Monday, January 11, 12:00 pm – 1:30 pm**
  Building Science in Education Workshop Lunch, Studio E

- **Monday, January 11, 12:15 pm – 2:00 pm**
  Academy for Healthcare Infrastructure Lunch, Studio B

- **Tuesday, January 12, 12:00 pm – 1:30 pm**
  Keynote Lunch, Salon 4

- **Wednesday, January 13, 12:00 pm – 1:30 pm**
  Exhibit Hall Walking Lunch, Exhibit Hall

- **Thursday, January 14, 12:00 pm – 1:30 pm**
  *Beyond Green*™ Awards Lunch, Salon 4

A registration that includes lunch or a Keynote Lunch ticket is required to attend.

**Local Transportation:** The Renaissance Arlington Capital View Hotel offers scheduled, complimentary hotel/airport shuttle service to and from Ronald Regan Washington National Airport as well as the Crystal City Metro Station. To request the service, call 703-413-1300.

Daily Conference Highlights:

**Monday, January 11**
- Workshop on Building Science Education in North America — *Building Bridges and Bridging the Gap* sponsored by the American Institute of Architects; Keynote address: Charles W. Steger, PhD, FAIA of Virginia Tech
- Workshop Lunch and Speaker: Thomas V. Vonier, FAIA, of the American Institute of Architects, sponsored by Tremco Commercial Sealants & Waterproofing
- Academy for Healthcare Infrastructure 2016 Forum

**Tuesday, January 12**
- Institute Annual Meeting: Various Council & Committee Board and Leadership Meetings
- Keynote Luncheon presented by the Chairman of the Institute’s Board of Directors, James “Tim” T. Ryan, CBO, City of Overland Park, Kansas

**Wednesday, January 13**
- Opening Keynote Address: Judge Alice C. Hill, sponsored by Acuity Brands
- Track One: Industry Leadership & Advocacy Symposium: *People and Processes to Reach Resilience*
- Track Two: Facility Performance & Sustainability Symposium: *Realizing Resilience through Incentives* sponsored by Noblis
- Exhibit Hall Opens
- Exhibits Walking Lunch
- Exhibitors Reception sponsored by Procore Technologies Inc.

**Thursday, January 14**
- *FEDCon®* Keynote Breakfast: Honorable Stephen T. Ayers, FAIA, LEED AP, sponsored by DLT Solutions
- Track One: Information Resources & Technologies Symposium: *Tools and Technologies to Reach Resilience* sponsored by RSMeans from The Gordian Group
- Track Two: Security & Disaster Preparedness Symposium: *Realizing Resilience: Incentives for Local Leaders and Lifelines*
- *Beyond Green*™ Awards Luncheon sponsored by the Illuminating Engineering Society
- Annual Reception sponsored by The Associated General Contractors of America
- Annual Awards Dinner (various sponsors, see page 20)
- Exhibit Hall Open

**Friday, January 15**
- Symposium: Plenary: *Achieving a Resilient Future*
- Institute Board of Directors Meeting
Join us again in 2017 as the National Institute of Building Sciences connects industry professionals to concentrate on **Collaborating for a High-Performing Future** during this fifth Annual Conference and Expo. Don’t miss the chance to take part in creating solutions for the built environment. Plan to be there where **Science meets Design®** for a compelling program featuring various symposia presented by the Institute’s councils and committees. The entire team of building professionals will work together and gain insights into the different aspects of high performance and resiliency. Credit-building educational sessions, idea-sharing networking events, stimulating technology demonstrations and inspiring award ceremonies are all on the Conference schedule.

**Sponsorship, Exhibitor and Advertising Opportunities Available!**

Sign up to sponsor an event or exhibit at **Building Innovation 2017** by **March 31, 2016**, and get **10% off** the 2016 rates.

Call 202-289-7800 or email nibs@nibs.org for more information.

**FIND OUT MORE AND SIGN UP FOR UPDATES:**

Renaissance Arlington Capital View Hotel
2800 S. Potomac Avenue
Arlington, Virginia 22202
(703) 413-1300

SECOND FLOOR CONFERENCE LEVEL

ARLINGTON CAPITAL VIEW RESIDENCE INN
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td><strong>MONDAY, JANUARY 11</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:00 am – 8:00 am</td>
<td>Continental Breakfast: Workshop on Building Science Education (BSE) in North America</td>
<td>Studio E</td>
</tr>
<tr>
<td>8:00 am – 1:00 pm</td>
<td>Academy for Healthcare Infrastructure (AHI) 2016 Forum</td>
<td>Salon 1, 2, 3</td>
</tr>
<tr>
<td>8:30 am – 9:15 am</td>
<td>Opening Keynote: BSE Workshop, Charles Steger, PhD, FAIA</td>
<td>Salon 5, 6, 7</td>
</tr>
<tr>
<td>8:00 am – 12:15 pm</td>
<td>Workshop on Building Science Education (BSE) in North America</td>
<td>Salon 5, 6, 7</td>
</tr>
<tr>
<td>12:15 pm – 1:30 pm</td>
<td>Keynote Lunch: BSE Workshop, Thomas V. Vonier, FAIA</td>
<td>Studio E</td>
</tr>
<tr>
<td>1:00 pm – 2:00 pm</td>
<td>Lunch: AHI Forum</td>
<td>Studio B</td>
</tr>
<tr>
<td>1:30 pm – 5:30 pm</td>
<td>Workshop on Building Science Education (BSE) in North America</td>
<td>Salon 5, 6, 7</td>
</tr>
<tr>
<td>2:00 pm – 5:15 pm</td>
<td>Academy for Healthcare Infrastructure (AHI) 2016 Forum</td>
<td>Salon 1, 2, 3</td>
</tr>
<tr>
<td>5:30 pm – 6:30 pm</td>
<td>Networking Reception: BSE Workshop</td>
<td>Studio E</td>
</tr>
<tr>
<td>5:30 pm – 7:00 pm</td>
<td>Networking Reception: AHI Forum</td>
<td>Studio B</td>
</tr>
<tr>
<td><strong>TUESDAY, JANUARY 12</strong></td>
<td></td>
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</tr>
<tr>
<td>8:00 am – 9:45 am</td>
<td>Meeting: Low Vision Design Committee</td>
<td>Studio C</td>
</tr>
<tr>
<td>8:00 am – 9:45 am</td>
<td>Meeting: WBDG Whole Building Design Guide®</td>
<td>Studio E</td>
</tr>
<tr>
<td>8:00 am – 9:45 am</td>
<td>Meeting: Council on Finance, Insurance and Real Estate</td>
<td>Studio F</td>
</tr>
<tr>
<td>8:00 am – 9:45 am</td>
<td>Meeting: High Performance Building Council Members</td>
<td>Studio B</td>
</tr>
<tr>
<td>8:00 am – 9:45 am</td>
<td>Meeting: National Council of Governments on Building Codes and Standards</td>
<td>Studio D</td>
</tr>
<tr>
<td>10:00 am – 12:00 pm</td>
<td>Session: Joint Councils and Committees</td>
<td>Salon 4</td>
</tr>
<tr>
<td>12:00 pm – 1:30 pm</td>
<td>Keynote Lunch: James &quot;Tim&quot; T. Ryan, CBO*</td>
<td>Salon 4</td>
</tr>
<tr>
<td>1:30 pm – 6:00 pm</td>
<td>Meeting: buildingSMART alliance®</td>
<td>Salon 5, 6, 7</td>
</tr>
<tr>
<td>1:30 pm – 5:00 pm</td>
<td>Exhibitor Set Up</td>
<td>Prefunction Area</td>
</tr>
<tr>
<td>1:30 pm – 3:30 pm</td>
<td>Meeting: Facility Maintenance &amp; Operations Committee</td>
<td>Studio B</td>
</tr>
<tr>
<td>1:30 pm – 3:30 pm</td>
<td>Meeting: Commercial Workforce Credentialing Council</td>
<td>Studio F</td>
</tr>
<tr>
<td>1:30 pm – 6:00 pm</td>
<td>Meeting: Multihazard Mitigation Council Board of Direction</td>
<td>Studio E</td>
</tr>
<tr>
<td>1:30 pm – 3:30 pm</td>
<td>Meeting: Off-Site Construction Council</td>
<td>Studio D</td>
</tr>
<tr>
<td>1:30 pm – 6:00 pm</td>
<td>Meeting: Building Enclosure Technology and Environment Council Board of Direction</td>
<td>Studio C</td>
</tr>
<tr>
<td>4:00 pm – 6:00 pm</td>
<td>Meeting: Sustainable Buildings Industry Council</td>
<td>Studio B</td>
</tr>
<tr>
<td>4:00 pm – 6:00 pm</td>
<td>Meeting: Commissioning Industry Leaders Council</td>
<td>Studio F</td>
</tr>
<tr>
<td>4:00 pm – 6:00 pm</td>
<td>Meeting: BRIK Building Research Information Knowledgebase</td>
<td>Studio D</td>
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## Achieving a Resilient Future

### Wednesday, January 13

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>8:30 am - 9:30 am</td>
<td>Opening Keynote Breakfast: Judge Alice C. Hill</td>
<td>Salon 4</td>
</tr>
<tr>
<td>9:30 am - 7:00 pm</td>
<td>Exhibit Hall Open</td>
<td>Prefunction Area</td>
</tr>
<tr>
<td>9:45 am - 12:00 pm</td>
<td>TRACK ONE — Symposium: Industry Leadership &amp; Advocacy</td>
<td>Salon 1, 2, 3</td>
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<tr>
<td>9:45 am - 12:00 pm</td>
<td>TRACK TWO — Symposium: Facility Performance &amp; Sustainability</td>
<td>Salon 5, 6, 7</td>
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<tr>
<td>12:00 pm - 1:30 pm</td>
<td>Exhibit Hall Walking Lunch</td>
<td>Prefunction Area</td>
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<tr>
<td>1:30 pm - 5:30 pm</td>
<td>TRACK ONE — Symposium: Industry Leadership &amp; Advocacy</td>
<td>Salon 1, 2, 3</td>
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<tr>
<td>1:30 pm - 5:30 pm</td>
<td>TRACK TWO — Symposium: Facility Performance &amp; Sustainability</td>
<td>Salon 5, 6, 7</td>
</tr>
<tr>
<td>5:30 pm - 7:00 pm</td>
<td>Networking Event: Exhibitors Reception</td>
<td>Prefunction Area</td>
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### Thursday, January 14

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>8:00 am - 1:30 pm</td>
<td>Exhibit Hall Open</td>
<td>Prefunction Area</td>
</tr>
<tr>
<td>8:30 am - 10:00 am</td>
<td>Breakfast: FEDCon® Keynote Address by Honorable Stephen T. Ayers, FAIA, LEED AP</td>
<td>Salon 4</td>
</tr>
<tr>
<td>10:15 am - 12:00 pm</td>
<td>Meeting: Consultative Council</td>
<td>Studio B</td>
</tr>
<tr>
<td>10:15 am - 12:00 pm</td>
<td>TRACK ONE — Symposium: Information Resources &amp; Technology</td>
<td>Salon 5, 6, 7</td>
</tr>
<tr>
<td>10:15 am - 12:00 pm</td>
<td>TRACK TWO — Symposium: Security &amp; Disaster Preparedness</td>
<td>Salon 1, 2, 3</td>
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<tr>
<td>12:00 pm - 1:30 pm</td>
<td>Lunch: Beyond Green™ Awards</td>
<td>Salon 4</td>
</tr>
<tr>
<td>1:30 pm - 4:30 pm</td>
<td>Meeting: CEO Summit</td>
<td>Studio B</td>
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<tr>
<td>1:30 pm - 5:30 pm</td>
<td>TRACK ONE — Symposium: Information Resources &amp; Technology</td>
<td>Salon 5, 6, 7</td>
</tr>
<tr>
<td>1:30 pm - 5:30 pm</td>
<td>TRACK TWO — Symposium: Security &amp; Disaster Preparedness</td>
<td>Salon 1, 2, 3</td>
</tr>
<tr>
<td>6:00 pm - 7:00 pm</td>
<td>Networking Event: Annual Reception</td>
<td>Prefunction Area</td>
</tr>
<tr>
<td>7:00 pm - 9:00 pm</td>
<td>Networking Event: Annual Awards Banquet*</td>
<td>Salon 4</td>
</tr>
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### Friday, January 15

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>8:30 am - 11:00 am</td>
<td>Symposium: Plenary and CEO Panel</td>
<td>Potomac 2**</td>
</tr>
<tr>
<td>11:30 am - 3:00 pm</td>
<td>Meeting: Institute Board of Directors</td>
<td>Potomac 1**</td>
</tr>
</tbody>
</table>

*Ticketed Event  **Residence Inn
MONDAY CONFERENCE PROGRAM SCHEDULE:

7:00 am — 6:30 pm | Salon 5.6.7
Second Workshop on Building Science Education in North America: Building Bridges and Bridging the Gap
Sponsored by The American Institute of Architects

Take part in preparing the next generation of industry professionals during this Workshop. The National Institute of Building Sciences together with ASTM International will explore the state of building science education in North America and collaborate on ways to improve educational training and curriculum development. University decision-makers and other experts in education from universities in Canada and the United States will present a critical view of college-level building science during this Workshop. Join the discussion on how to create new opportunities for professional development and career advancement in architecture and engineering. Share your ideas as they address solutions for supporting the growing readiness of collegiate architecture, engineering and construction programs to expand and improve building science education.

OPENING KEYNOTE ADDRESS

8:30 am — 9:15 am | Salon 5.6.7
Charles Steger, PhD, FAIA
President Emeritus, Virginia Polytechnic Institute and State University and Member, National Institute of Building Sciences Board of Directors

Dr. Steger will talk about the value of including building science as part of the higher education curriculum, as well as the importance of highlighting the application of related standards to the industry’s future professionals. He will bring his unique, multi-faceted perspective as an educator, architect and university president to the workshop discussion.

Introductory Session: Challenges and Opportunities

7:00 am — 8:00 am
Continental Breakfast
Studio E
sponsored by Virginia Tech

8:00 am — 8:15 am
Welcome and Introductions

8:15 am — 8:30 am
Introduction of Keynote Speaker

8:30 am — 9:15 am
Opening Keynote: Challenges and Opportunities
Charles Steger, PhD, FAIA. Virginia Tech

9:15 am — 10:00 am
The Truth about Industry & Stakeholder Expectations
Ujjval K. Vyas, PhD. The Alberti Group

10:00 am — 10:15 am
Break

Morning Panel: Building Bridges

10:15 am — 12:15 pm
Finding the 'Art' in the Science
The morning session will explore the "art" of teaching building science and the resources available to enhance both the studio and classroom experience through experiential learning and the infusion of building science fundamentals into curriculum requirements for the next generation of design and construction professional.

• John Straube, PhD, PE. University of Waterloo
• Stephen R. Lee, AIA, LEED AP. Carnegie Mellon University
• Walter Grondzik, PE. Ball State University
• William P. Bahnfleth, PhD, PE. Pennsylvania State University
• Georg Reichard, PhD. Virginia Tech

Discussion and Closing Round

12:15 pm — 1:30 pm
Lunch and Speaker
Studio E
Afternoon Panel: Bridging the Gap
1:30 pm — 3:15 pm
Where the Rubber Meets the Road
The afternoon session will build upon
the morning session by exploring both
published and on-line resources available
to students, instructors and practicing
professionals in building science to meet
the increasing demand for design and
construction professionals who can
deriver, rather than simply promise, higher
performing buildings.
• Pat Huelman, University of Minnesota
  (Moderator)
• Joe Lstiburek, Building Science
  Education

• Samuel Rashkin, U.S. Department of
  Energy
• Lisa D. Iulo, RA, LEED AP, Pennsylvania
  State University

3:15 pm — 3:30 pm  Break
Studio E

Closing Session: The Road Ahead
3:30 pm — 5:15 pm
Educator’s Forum
Selected speakers and panelists will
be invited to return to the stage to
participate in an open discussion with
members of the audience on the future
of Building Science Education in North
America. Topics will include strategies
available to strengthen the education,
training, certification and licensure
requirements for design and construction
professionals in building science.
• Georg Reichard, PhD, Virginia Tech
  (Moderator)
• John Straube, PhD, PE, University of
  Waterloo
• William P. Bahnfleth, PhD, PE,
  Pennsylvania State University
• Pat Huelman, University of Minnesota
• Walter Grondzik, PE, Ball State University
• Stephen Lee, AIA, Carnegie Mellon
  University
• Lisa D. Iulo, RA, LEED AP, Pennsylvania
  State University

Invited Inquiries
Selected representatives from
membership groups, accrediting bodies,
codes and standards organizations and
owner/client groups will each get an
opportunity to briefly present their groups
point of view and ask their one burning
question of the panelists.
Q&A
Panelists will take questions and
comments from the audience.
5:15 pm — 5:30 pm
Closing Remarks
• Dan Lemieux, AIA, NCARB, Wiss Janney
  Elstner

5:30 pm — 6:30 pm
Cocktail Reception
Studio E

We’re committed.

Thirty building industry organizations have signed-on to the Industry Statement
on Resilience: committing to resilience research, education, advocacy, and planning.

As part of our commitment, the American Institute of Architects hosted the
2015 AIA Resilience Summit. Visit aia.org/resilience to read the report.
Day One: Monday, January 11

MONDAY CONFERENCE PROGRAM SCHEDULE:

8:30 am — 7:00 pm | Salon 1.2.3

Academy for Healthcare Infrastructure 2016 Forum

Get the results of six months of collaborative work performed by the Academy to improve the processes used to create and maintain the incredibly complex built environment required to effectively support the United States’ healthcare mission. Teams consisting of representatives from the country’s largest healthcare systems, together with subject matter experts, have addressed five key topics: Owner Organization for Successful Project Outcomes, Developing a Flexible Healthcare Infrastructure, Project Acceleration/Speed to Market Strategies, Defining the Next Generation’s Focus and Reducing Initial Capital Costs. Forum attendees will get the first look at the outcome of the teams’ research.

8:30 am — 9:00 am
Opening Remarks
Joe M. Powell, Academy for Healthcare Infrastructure

9:00 am — 10:15 am
Team 1: Owner Organization for Successful Project Outcomes

Co-Chairs:
• Peter Dawson, Senior Vice President, Texas Children’s Hospital
• John Becker, Director, Facilities Division, Defense Health Agency
• John Kouletsis, Vice President, Kaiser Foundation Health Plan
• Brian Holmes, Senior Vice President, Texas Health Resources

Experts:
• Doug Harper, PE, Gilbane
• Bruce Raber, Stantec
• Patrick Duke, CBRE Healthcare
• Stephen C. Wooldridge, MedStar Health
• William R. Calhoun, Jr., Clark Construction
• Judy Quasney, National Institutes of Health
• Sam Gioldasis, Walker Engineering

Facilitator:
D. Kirk Hamilton, FAIA, Professor of Architecture, Texas A&M University

10:15 am — 10:30 am  Break  Studio B

10:30 am — 11:45 am
Team 2: Developing a Flexible Healthcare Infrastructure

Co-Chairs:
• Spencer Moore, Vice President, Chief Facilities Officer, MD Anderson Cancer Center
• Walter B. Jones, Jr., Senior Vice President, MetroHealth System
• Thomas E. Kinman, PE, Vice President, Cincinnati Children’s Medical Center
• Shayda Z. Bradley, Executive Director, Indiana University Health

Experts:
• Victor Sanvido, Southland Industries
• Kurt Stahl, Hunt Construction Group
• Richard M. Harris, FKP Architects
• R. Clay Seckman, SSR Engineers
• George Sterling, Trane Healthcare Practice
• Chip Cogswell, Cogswell, LLC

Facilitator:
David Allison, FAIA, Distinguished Professor, Clemson University

11:45 am — 1:00 pm
Team 3: Speed to Market Strategies

Co-Chairs:
• Donald H. Orndoff, Senior Vice President, Kaiser Foundation Health Plan
• Frank Aucremenane, Executive Director, Cleveland Clinic
• Scott Nelson, Director, Advocate Healthcare
• Dana E. Swenson, Senior Vice President, UMass Memorial Healthcare

Experts:
• Eric T. Burk, Balfour Beatty Construction
• Victor Sanvido, Southland Industries
• Brent Willson, HKS Architects
• Barbara Wagner, Clark Construction
• Paul Strohm, HOK Architects
• Coker Barton, Hoar Construction
• Michael Weiss, Working Buildings, LLC

Facilitator:
Rebekah Gladson, FAIA, rggroup global

1:00 pm — 2:00 pm  Lunch  Studio B

2:00 pm — 3:15 pm
Team 4: Defining the Next Generation’s Focus

Co-Chairs:
• Cindy Beckham, Executive Director, Mercy
• Stephen C. Wooldridge, Vice President, MedStar Health
• Kip C. Edwards, Vice President, Banner Health
• Jeffrey Land, VP, Corporate Real Estate, Dignity Health

Experts:
• Carlos Gonzales, Clark Construction
• Phil Tobey, Smith Group
• Zigmund Rubel, Aditazz

Facilitator: Mardelle Shepley, FAIA, Professor of Architecture, Cornell University

3:15 pm — 3:30 pm  Break
Studio B

3:30 pm — 4:45 pm  Team 5: Reducing Initial Capital Costs

Co-Chairs:
• Robert F. McCoole, Senior Vice President, Ascension Health
• Skip Smith, Vice President, Catholic Health Services
• Don Wojtkowski, Executive Director, SSM Health
• Jeffrey Land, VP, Corporate Real Estate, Dignity Health

Experts:
• Chris Kay, Jacobs Project Management
• Randy Keiser, Turner Construction
• Richard Onken, Leo A Daly
• Brian Garbecki, Gilbane
• David Prusha, HKS Architects
• Geoffrey Stricker, Edgemoor Infrastructure

Facilitator:
Dennis Bausman, PhD, Construction Science and Management, Clemson University

4:45 pm — 5:15 pm  Conclusions

5:30 pm — 7:00 pm  Networking Reception
Studio B

sponsored by
The National Institute of Building Sciences in Action

Boards, Councils and Committees Annual Meetings

TUESDAY FULL SCHEDULE OF EVENTS

7:00 am — 5:00 pm
Registration Desk Open
Second Floor

8:00 am — 9:45 am
**Meeting:** Low Vision Design Committee
Studio C

8:00 am — 9:45 am
**Meeting:** WBDG Whole Building Design Guide®
Studio E

8:00 am — 9:45 am
**Meeting:** Council on Finance, Insurance and Real Estate
Studio F

8:00 am — 9:45 am
**Meeting:** High Performance Building Council Members
Studio B

8:00 am — 9:45 am
**Meeting:** National Council of Governments on Building Codes and Standards
Studio D

8:00 am — 5:00 pm
**Meeting:** National BIM Guideline for Owners Committee
Salon 1, 2, 3

9:45 am — 10:00 am
Coffee Break
Prefunction Area

10:00 am — 12:00 pm
**Session:** Joint Councils and Committees
Salon 4

12:00 am — 1:30 pm
**Keynote Lunch:**
James "Tim" T. Ryan, CBO
Sponsored by Acuity Brands
Salon 4 (Details below)

1:30 pm — 6:00 pm
**Meeting:** buildingSMART alliance®
Salon 5, 6, 7

1:30 pm — 3:30 pm
**Meeting:** Facility Maintenance & Operations Committee
Studio B

1:30 pm — 3:30 pm
**Meeting:** Commercial Workforce Credentialing Council
Studio F

1:30 pm — 3:30 pm
**Meeting:** Off-Site Construction Council
Studio D

2:30 pm — 3:30 pm
Coffee Break
Prefunction Area

4:00 pm — 6:00 pm
**Meeting:** Multihazard Mitigation Council Board of Direction
Studio E

4:00 pm — 6:00 pm
**Meeting:** Building Enclosure Technology and Environment Council Board of Direction
Studio C

4:00 pm — 6:00 pm
**Meeting:** Sustainable Buildings Industry Council
Studio B

4:00 pm — 6:00 pm
**Meeting:** Commissioning Industry Leaders Council
Studio F

4:00 pm — 6:00 pm
**Meeting:** BRIK Building Research Information Knowledgebase
Studio D

TUESDAY KEYNOTE

12:00 pm — 1:30 pm | Salon 4
**KEYNOTE LUNCHEON**
sponsored by Acuity Brands

James "Tim" T. Ryan, CBO
Chairman, National Institute of Building Sciences Board of Directors
Code Administrator, City of Overland Park, Kansas

Mr. Ryan will give the keynote during the day’s luncheon. Ryan will highlight the importance of leadership and community engagement to achieve resilience goals and highlight ways his jurisdiction has addressed mitigation to reduce the impact of natural disasters such as tornadoes and floods. He also will talk about ways the Institute is working collaboratively to promote high-performance buildings and improve community resilience.
New Year, New Data:
2016 Construction Cost Insights

SPEAKERS

Christopher Anderson
VP, Data Strategy & Consulting

Bob Mewis
Director of Engineering

Watch this on-demand webinar to gain a greater understanding of the new data changes and analytical insights regarding trends from RSMeans.


VISIT BOOTH #10

Follow us on Twitter @RSMeansData

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www.parsons.com
Day Three: Wednesday, January 13

WEDNESDAY FULL SCHEDULE OF EVENTS

7:00 am — 5:00 pm
Registration Desk Open
Second Floor

8:30 am — 9:30 am
Opening Keynote Address
Salon 4 (Details page 15)

9:30 am — 7:00 pm
Exhibit Hall Open
Prefunction Area

9:30 am — 9:45 am
Coffee Break
Prefunction Area

9:45 am — 12:00 pm
Track One:
Industry Leadership & Advocacy Symposium
Salon 1, 2, 3

9:45 am — 12:00 noon
Our Resilient Future: Defining the Challenges of Today and Tomorrow
• Alice Hill, National Security Council

12:00 noon — 1:30 pm
Exhibit Hall Walking Lunch
Prefunction Area
(Details page 16)

1:30 pm — 5:30 pm
Industry Leadership & Advocacy Symposium
Salon 1, 2, 3

1:30 pm — 5:30 pm
Facility Performance & Sustainability Symposium
Salon 5, 6, 7

3:00 pm — 3:30 pm
Coffee Break
Prefunction Area

5:30 pm — 7:00 pm
Networking Event:
Exhibitors Reception
Sponsored by Procore Technologies Inc.
Prefunction Area
(Details page 16)

WEDNESDAY CONFERENCE SYMPOSIUM SCHEDULE:

TRACK ONE: Guidance & Groundwork —
People, Processes, Tools and Technologies to Reach Resilience

9:45 am — 5:30 pm | Salon 1, 2, 3
Industry Leadership and Advocacy Symposium:
People and Processes to Reach Resilience

This track will examine the impediments the building industry faces to achieving high-performance building goals, and highlight efforts currently underway to facilitate the transition to a high-performance built environment capable of meeting the challenges of the future. Join the discussion during this Symposium on the efforts currently underway at the National Institute of Building Sciences and elsewhere that are driving advancements aimed at the people who operate the built environment and the processes they use in order to better achieve a resilient future. Continue the discussion on Thursday during the Information Resources and Technologies Symposium as it focuses on the tools and technologies required to reach resilience.

8:30 am — 9:30 am
Opening Keynote Breakfast
Judge Alice C. Hill
Salon 4 (Details page 15)

9:30 am — 9:45 am
Break

9:45 am — 12:00 noon
Our Resilient Future: Defining the Challenges of Today and Tomorrow
• Alice Hill, National Security Council

A Vision for a High-Performance Future
Martin J. Weiland, PE, U.S. General Services Administration

Resilience and Life-Cycle Performance
Martin J. Weiland, PE, U.S. General Services Administration

Resilience and Risk Management
Mohammed Ettouney, PhD, PE, MBA, F.AEI, Dist.M.ASCE, Mohammed Ettouney, LLC

Panel Discussion: Resilience, Climate Change, Sustainability
• Rachel Minnery, American Institute of Architects (Moderator)
• Martin J. Weiland, PE, U.S. General Services Administration
• Mohammed Ettouney, PhD, PE, MBA, F.AEI, Dist.M.ASCE, Mohammed Ettouney, LLC

Panel Discussion: Resilience Management
• A.R. Ann Kosmal, AIA, LEED AP BD+C, CPHC, PDC, U.S. General Services Administration

Public-Private Partnerships (P3)
• Dorothy Robyn, General Services Administration Public Buildings Service

Off-Site Construction
• Ryan E. Smith, University of Utah, OSCC Chair

Codes & Standards
• Gregory S. Knoop, AIA, LEED AP, OKKS Studios

Workforce and Productivity Facility Management
• Darrell X. Rounds FMA, CEM, General Motors
• Rolf Alexis, General Motors

Science, Technology, Engineering and Mathematics (STEM) Education
• Kerry Joels, Total Learning Research Institute

The Value of Competency Modeling and Credentialing
• Maureen Roskoski, Facility Engineering Associates

Panel Discussion: Community and Connections
• Sue Klawans, Gilbane Building Company (Moderator)
• Darrell X. Rounds, General Motors
• Kerry Joels, Total Learning Research Institute
• Maureen Roskoski, Facility Engineering Associates

3:00 pm — 3:30 pm
Break

3:30 pm — 5:30 pm
Processes

Resilience Management

A.R. Ann Kosmal, AIA, LEED AP BD+C, CPHC, PDC, U.S. General Services Administration

Public-Private Partnerships (P3)
• Dorothy Robyn, General Services Administration Public Buildings Service

Off-Site Construction
• Ryan E. Smith, University of Utah, OSCC Chair

Codes & Standards
• Gregory S. Knoop, AIA, LEED AP, OKKS Studios

Community and Connections
• Sue Klawans, Gilbane Building Company
Day Three: Wednesday, January 13

SAVE THE DATE

March 8, 2016 | Burlingame, California

The Second Annual BSSC Colloquium
Seismic Design Update 2016: An Interactive Exploration of the 2020 NEHRP Provisions and Project 17 Issues

Plan to join the National Institute of Building Sciences Building Seismic Safety Council (BSSC) for the Second Annual BSSC Colloquium in Burlingame, California — just five miles south of the San Francisco International Airport. Earn continuing education units (CEUs) while learning the latest about Project 17, Development of Next-Generation Seismic Maps, as well as issues for the upcoming development of the National Earthquake Hazards Reduction Program (NEHRP) 2020 NEHRP Recommended Provisions for New Buildings and Other Structures. The afternoon session will host a workshop to garner public input on issues for the 2020 NEHRP Provisions. The Colloquium is scheduled for 10:00 a.m. – 5:30 p.m. PT. It will be preceded that morning by the BSSC Annual Meeting and followed by a Provisions Update Committee (PUC) meeting on March 9, and a Project 17 Committee meeting on March 10. See the BSSC website for all the details.

www.nibs.org/bssc

WEDNESDAY KEYNOTE BREAKFAST

8:30 am — 9:30 am | Salon 4
OPENING KEYNOTE BREAKFAST

Alice C. Hill
Retired Judge and Special Assistant to the President and Senior Director for Resilience Policy on the White House National Security Council

Judge Hill will kick off the first day of educational programs with a call to industry professionals to meet the nation's resilience challenges head on. She will address the impact of climate change on buildings and the importance of retrofitting existing buildings, updating the nation's infrastructure and adopting and enforcing the latest building codes.

www.dlt.com | 888.447.2223 | autodesk@dlt.com

Federal Contracts: CIQ-CIS, GSA IT Schedule 70, NASA SEWP V, DOD ESI and More
Day Three: Wednesday, January 13

WEDNESDAY CONFERENCE SYMPOSIUM SCHEDULE:

TRACK TWO: Preparation and Performance — Realizing Resilience through Incentives

9:45 am — 5:30 pm | Salon 5,6,7

Facility Performance & Sustainability Symposium:

Realizing Resilience: Incentives for Owners and Operators
Sponsored by Noblis

During this track, the focus will be on achieving community resilience by engaging the stakeholders—from commercial and residential building owners to utilities and government leaders—and offering incentives as a powerful mechanism to encourage tough decision making. Take part in this Symposium as presenters focus on incentives for owners and operators to encourage desired actions. Such incentives can come from multiple parties, ranging from finance and insurance institutions to federal, state and local governments. This one-day Symposium will focus on improving resilience within the building stock through the use of incentives. On Thursday, take a look at incentives from the perspective of local leaders and lifelines during the Security and Disaster Preparedness Symposium.

8:30 am — 9:30 am
Conference Opening Keynote
Salon 4

9:30 am — 9:45 am
Break

9:45 am — 11:15 am
Session 1: Resilience through Incentives — Setting the Stage

• Neil Blais, Blais & Associates, Chair, Multihazard Mitigation Council (Moderator)
• Leanne Tobias, Malachite, Chair, Council on Finance, Insurance and Real Estate
• Philip Schneider, National Institute of Building Sciences
• Keith Porter, University of Colorado, Boulder
• Ryan Colker, National Institute of Building Sciences

11:15 am — 12:00 noon
Session 2: Residential Incentives

• Nancy McNabb, National Institute of Standards and Technology (Moderator)

Insurance
• John Hadden, State Farm

Codes & Standards
• Debra Ballen, Insurance Institute for Building and Home Safety
• Ann Roberson, South Carolina Safe Homes

Finance
• Sondra Albert, AFL-CIO Housing Investment Trust

Federal
• Kevin Bush, U.S. Department of Housing and Urban Development
• Karyn Sper, Fannie Mae

12:00 noon — 1:30 pm
Exhibit Hall Walking Lunch
Prefunction Area

1:30 pm — 3:00 pm
Session 2: Residential Incentives (continued)

• Nancy McNabb, National Institute of Standards and Technology (Moderator)

Insurance
• John Hadden, State Farm

Codes & Standards
• Debra Ballen, Insurance Institute for Building and Home Safety
• Ann Roberson, South Carolina Safe Homes

Finance
• Sondra Albert, AFL-CIO Housing Investment Trust

Federal
• Kevin Bush, U.S. Department of Housing and Urban Development
• Karyn Sper, Fannie Mae

3:00 pm — 3:30 pm
Break

3:30 pm — 5:30 pm
Session 2: Business Incentives

• Susan K. Stokes, IBS Green (Moderator)

Insurance
• Susan Lange Smite, Marsh USA

Codes
• George B. Huff, Jr., Continuity Project LLC and National Institute of Standards and Technology

Finance
• James Finlay, Finlay Consulting

Business
• Aris Papadopoulis, Titan Cement
• Joseph J. Honick, GMA International LTD and International Commercial Tenants Association

Federal
• Linda Reilly, U.S. Small Business Administration

12:00 pm — 1:30 pm
Prefunction Area/Exhibit Hall
EXHIBIT HALL WALKING LUNCH
Meet. Eat. Walk. Talk. Join your colleagues for a buffet-style walking lunch as you take the opportunity to see the latest in industry solutions presented by a wide variety of exhibitors.

5:30 pm — 7:00 pm
Prefunction Area/Exhibit Hall
EXHIBITORS RECEPTION
sponsored by Procore Technologies Inc.

Interact with colleagues and exhibitors during the Exhibitors Reception.

WEDNESDAY NETWORKING
EXHIBITORS

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Noblis is bringing knowledge, preparedness, and planning together for building resilient systems.

Effective, efficient, and resilient facilities infrastructure is—and will continue to be—a critical success factor for government agencies and public sector organizations to meet their missions.

Noblis provides expert facility planning, energy, and environmental solutions that maximize ROI on facility investments. We understand the challenges our clients face and we help them discover opportunities to leverage existing facilities and future planned investments to ensure mission success.

Planning for RESILIENCY in an Uncertain World

noblis.org
Day Four: Thursday, January 14

THURSDAY FULL SCHEDULE OF EVENTS

7:00 am — 5:00 pm
Registration Desk Open
Second Floor

8:00 am — 1:30 pm
Exhibit Hall Open
Prefunction Area

8:30 am — 10:00 am
Breakfast: FEDCon® Keynote
Honorable Stephen T. Ayers, FAIA, LEED AP
Sponsored by DLT Solutions
Salon 4 (Details page 19)

10:15 am — 12:00 pm
Meeting: Consultative Council
Studio B

10:00 am — 10:15 am
Coffee Break
Prefunction Area

10:15 am — 12:00 pm
Track One: Information Resources & Technology Symposium
Sponsored by RSMeans from The Gordian Group
Salon 5,6,7 (Details right)

12:00 pm — 1:30 pm
Luncheon: Beyond Green™ Awards
Sponsored by Illuminating Engineering Society
Salon 4 (Details page 19)

1:30 pm — 3:00 pm
High-Performance Tools and Technology

Energy Modeling
• Jason Steinbock, The Weidt Group

Assessing Building and Infrastructure Using Integrated Rapid Visual Screening (IRVS)
• E. Scott Tezak, TRC

Knowledge
• Casey Martin, AIA, AICP, Jacobs Engineering
• Bob Payn, National Institute of Building Sciences

3:00 pm — 3:30 pm Break

3:30 pm — 5:30 pm
Wrap-Up Panel Discussion: Bringing Together the People and Processes, Tools and Technologies
• Sue Klawans, Gilbane Building Company (Moderator)
• James P. Whittaker, PE, CFM, Facility Engineering Associates
• Kimon Onuma, Onuma Systems

12:00 pm — 1:30 pm
Luncheon: Beyond Green™ Awards
Sponsored by Illuminating Engineering Society
Salon 4 (Details page 19)

THURSDAY CONFERENCE SYMPOSIUM SCHEDULE:

TRACK ONE: Guidance & Groundwork — People, Processes, Tools and Technologies to Reach Resilience

10:15 am — 5:30 pm | Salon 5,6,7 (Following the FEDCon® Keynote Breakfast at 8:30 am)

Information Resources & Technologies Symposium: Tools and Technologies to Reach Resilience
Sponsored by RSMeans from The Gordian Group

In a continuation of the discussion held during Wednesday’s Industry Leadership and Advocacy Symposium on the impediments the building industry faces to achieving high-performance building goals and the people and processes needed, this Symposium will focus on the tools and technologies required to reach resilience. Information and the tools to use it effectively are important fundamentals for the achievement of high-performance buildings and communities. Assuring that information is available at the most relevant time and in a format most accessible to the particular application or user requires significant consideration of information organization and interoperability. This one-day Symposium identifies the current and emerging tools and technologies essential to the realization of high-performance and resilience goals.

8:30 am — 10:00 am
Breakfast: FEDCon® Keynote
Sponsored by DLT Solutions
Salon 4 (Details right)

10:15 am — 12:00 pm
Track Two: Security & Disaster Preparedness Symposium
Salon 1,2,3 (Details page 20)

12:00 pm — 1:30 pm
Luncheon: Beyond Green™ Awards
Sponsored by Illuminating Engineering Society
Salon 4 (Details page 19)

1:30 pm — 3:00 pm
High-Performance Tools and Technology

Energy Modeling
• Jason Steinbock, The Weidt Group

Assessing Building and Infrastructure Using Integrated Rapid Visual Screening (IRVS)
• E. Scott Tezak, TRC

Knowledge
• Casey Martin, AIA, AICP, Jacobs Engineering
• Bob Payn, National Institute of Building Sciences

3:00 pm — 3:30 pm Break

3:30 pm — 5:30 pm
Wrap-Up Panel Discussion: Bringing Together the People and Processes, Tools and Technologies
• Sue Klawans, Gilbane Building Company (Moderator)
• James P. Whittaker, PE, CFM, Facility Engineering Associates
• Kimon Onuma, Onuma Systems
THURSDAY BREAKFAST

8:30 am — 10:00 am | Salon 4
FEDCon® Breakfast sponsored by DLT Solutions

Honorable Stephen T. Ayers, FAIA, LEED AP
Architect of the Capitol

Mr. Ayers will share his insights into the work currently underway to revitalize the U.S. Capitol and discusses how various renovation projects will improve resiliency and sustainability. Discover potential opportunities for architects, engineers, contractors and manufacturers during many renovation, restoration and multi-year renewal projects for the Capitol and Congressional office buildings.

THURSDAY LUNCHEON

12:00 pm — 1:30 pm | Salon 4
Sustainable Buildings Industry Council
Beyond Green™ Awards Luncheon
sponsored by the Illuminating Engineering Society

The Beyond Green™ Awards recognize buildings, initiatives and innovations that best exemplify the eight design objectives of a high-performance building: sustainability, accessibility, aesthetics, cost-effectiveness, functionality, productivity, historical sensitivity, and safety and security. See the following winners present their projects and receive their awards during the Beyond Green™ Awards Luncheon.

2015 Beyond Green™ Award Winners:

• The Honor Award in Category A: High-Performance Buildings
  United Nations Headquarters in New York, New York

• The Award of Merit in Category A: High-Performance Buildings
  The Center for Sustainable Landscapes at the Phipps Conservatory and Botanical Gardens in Pittsburgh, Pennsylvania

• The Award of Merit in Category C: High-Performance Initiatives
  The Efficient Homes Initiative of the Northwest Energy Efficiency Alliance and its utility partners
Day Four: Thursday, January 14

THURSDAY CONFERENCE SYMPOSIUM SCHEDULE:

TRACK TWO: Preparation & Performance — Realizing Resilience through Incentives
10:15 am — 5:30 pm | Salon 1,2,3 (Following the FEDCon® Keynote Breakfast at 8:30 am)

Security and Disaster Preparedness Symposium:
Realizing Resilience: Incentives for Local Leaders and Lifelines

Continuing the discussion from Wednesday’s Facility Performance and Sustainability Symposium on incentives for owners and operators, this Symposium looks at ways to encourage local leaders and lifelines to embrace investment in mitigation and resilience. Coordinating with lifelines, such as utilities, during the government policymaking and planning processes, is essential for realizing high-performance goals within a community. It is important to assure incentives are in place to facilitate decision making, and to coordinate those sources of incentives in order to achieve the desired results. This one-day Symposium will begin with an examination of the various segments of the community that should be included when considering potential incentive pathways and conclude with a high-level panel of experts from across the industry to discuss the path forward in implementing incentives to achieve a resilient future.

8:30 am — 10:00 am
Breakfast: FEDCon® Keynote
Salon 4

10:00 am — 10:15 am Break

10:15 am — 12:00 pm Session 4: Utility Incentives
• Keith Porter, University of Colorado (Moderator)

Insurance
• Shawn Lawson, FM Global

Finance
• Miles Keogh, National Association of Regulatory Utility Commissioners

Utility
• Jerry P. Brashear, The Brashear Group
• Michael E. Hooker, Onondaga Water Authority
• Maria Solis, California State University, Sacramento

12:00 noon — 1:30 pm Luncheon: Beyond Green™ Awards
Salon 4

1:30 pm — 3:00 pm Session 5: Community Incentives
• Kevin Mickey, The Polis Center (Moderator)

Community
• Scott Bernstein, Center for Neighborhood Technology
• Chris Ramseyer, University of Oklahoma
• Brooks Rainwater, National League of Cities
• Edward A. Thomas, Esq., Natural Hazard Mitigation Association

3:00 pm — 3:30 pm Break

3:30 pm — 5:30 pm Session 6: Listening Panel
• Neil Blais, Blais & Associates, Multihazard Mitigation Council (Moderator)

Insurance
• Carl Hedde, CPCU, Munich RE

Codes
• Guy Tomberlin, CBO, International Code Council

Finance
• Stephanie Rico, Wells Fargo

Foundation
• Brent Woodworth, Los Angeles Emergency Preparedness Foundation

State
• Bryan Koon, Florida Division of Emergency Management

Federal
• Roy Wright, Federal Emergency Management Agency

6:00 pm – 7:00 pm | Prefunction Area
Institute Annual Reception
Sponsored by

7:00 pm – 9:00 pm | Salon 4
Institute Annual Awards Banquet*
Join us as we honor and recognize outstanding building industry leaders with Annual Institute Awards for their roles in improving the built environment.

*Ticketed event.

THURSDAY NETWORKING
FRIDAY CONFERENCE SYMPOSIUM SCHEDULE:

8:30 am — 11:00 am | Potomac 2
Plenary Symposium:
Achieving a Resilient Future

To summarize the week's events, the Plenary Symposium will cover two of the key outcomes expected from the Conference — an examination of what it takes to achieve a resilient future and a vision on how all the information presented throughout the week comes together to achieve high-performance buildings and communities. Gain valuable insights into what works for achieving resilience during a discussion with the Dunbar High School Project Team on their new award-winning campus. Also hear from the Institute's President Henry L. Green as he recaps the week's program and presents the Institute's vision on how an industry-wide collaboration can work to successfully achieve high-performance buildings and communities. Through work both inside and outside of the Institute, the industry is making great strides. See how the pieces come together in this exciting close to Building Innovation 2016.

8:30 am — 10:00 am
High Performance from Design to Operations: A Discussion with the Dunbar High School Project Team

- Mike Dieterich, Sustainability Manager, McKissack & McKissack (Sustainability Consultant)
- Adam S. Fouse, Project Manager, Gilbane Building Company (Contractor)
- Teddy Gebremichael, CCM, LEED AP, Program Director, McKissack & McKissack (Owner's Project Manager)
- Sean O'Donnell, AIA, LEED AP, Principal-in-Charge, Perkins Eastman (Project Architect)
- Raj B. Setty, PE, LEED AP, CxA, President & Principal, Setty & Associates (Mechanical Engineer)

10:00 am — 11:00 am
Achieving a Resilient Future: A Report from the Cutting Edge

- Henry L. Green, National Institute of Building Sciences

PROCORE® The world’s most widely used construction management software.

Changing the landscape of construction software.
Stop managing systems and start empowering your teams.
Monday, January 11 | Opening Keynote

Charles W. Steger, PhD, FAIA  
*President Emeritus, Virginia Polytechnic Institute and State University (Virginia Tech)*

On June 1, 2014, Dr. Charles Steger stepped down as the 15th president of Virginia Polytechnic Institute and State University (Virginia Tech), where he studied architecture and earned a PhD in engineering. With a passion for teaching, Steger left professional practice to return to Virginia Tech, where he was Dean and Vice President before becoming President in 2000. Under his leadership, Virginia Tech charted a course to be among the nation’s premier research universities. He is a Fellow in the American Institute of Architects and received the 2004 Compass Award from the New Century Technology Council. Among numerous other awards, he received the 2009 Chief Executive Leadership Award from the Council for the Advancement and Support of Education, District III, and the 2010 Michael P. Malone International Leadership Award from the Association of Public and Land-Grant Universities.

Steger chaired the Virginia Council of Presidents for two terms and was appointed by five Virginia governors to boards dealing with higher education, homeland security, information technology and international education. In 2003, he was appointed by Governor Warner to chair the Steering Committee on Research Capabilities and Centers of Excellence. Steger has also chaired the board that oversees the Center for Innovative Technology, served on the board that oversees the Jefferson National Lab, served on the Northern Virginia Technology Council, and was Vice President of the Council of Presidents and chair of the Executive Committee of the Southeastern Universities Research Association. He is on the board of the National Institute of Building Sciences and is also a member of the Economic Club of Washington. He recently completed a term as chair of the Presidential Oversight Committee of the Bowl Championship Series, on which he also represented the Atlantic Coast Conference.

Steger’s presidency was one of the longest and most impactful terms in Virginia Tech history. He outlined and implemented a bold vision. Graduate and undergraduate enrollment, as well as the student quality profile reached all-time highs. He strengthened the research enterprise by creating interdisciplinary institutes and grew the research portfolio by 250 percent. He oversaw the creation of a medical school and concluded a fund-raising campaign that exceeded $1 billion. During his 14-year tenure, more buildings were constructed than under any Virginia Tech administration. The new Moss Center for the Arts stands as a testament to his firm belief in the value of the arts. During his tenure, the Virginia Tech Principles of Community and Virginia Tech Climate Action Commitment were adopted and Virginia Tech was admitted to the Atlantic Coast Conference. He leaves for future generations a land-grant university widely regarded for academic excellence nationally and abroad.

Tuesday, January 12 | Keynote Luncheon

James “Tim” T. Ryan, CBO  
*Chairman, National Institute of Building Sciences Board of Directors and Director and Code Administrator, City of Overland Park, Kansas*

Tim Ryan, is Chairman of the National Institute of Building Sciences Board of Directors and Code Administrator for the City of Overland Park, Kansas. Ryan has more than 30 years of experience in administration, enforcement and development of construction safety codes, construction management and methods. He has worked for the city for the past three decades, and has helped guide Overland Park, ranked sixth in Money magazine’s 2006 “Top 10 Best Places to Live in America,” through periods of substantial growth.

Ryan holds certifications in 15 separate technical categories, including a Certified Building Official certification and multiple plan review and inspection categories, from the Building Officials and Code Administrators International (BOCA), now the International Code Council (ICC). He earned a bachelor’s degree in construction management and technology from Pittsburg State University in Pittsburg, Kansas.

Ryan is Chief Executive Officer of the International Association of Building Officials. He served as a member of the ICC Board of Directors from 1999-2009. An active participant in the development of the International Codes, he served on the ICC Building Code Steering Committee, held the role of Chairman for the International Building Code Technical Drafting Committee for Means of Egress and Accessibility, and served on the ICC International Building Code Scoping and Coordination Committee. He also served on the ICC Budget Committee, Strategic Planning Committee and Emergency Response and Hazard Mitigation Committee.

In Kansas, Ryan has served on the Overland Park Residential Construction Task Force, the State of Kansas Steering Committee on Codes and the State of Kansas Task Force on Residential Construction. He also chaired a Steering Committee for the State of Kansas tasked with creating a program to oversee the energy code provisions of the American Recovery and Reinvestment Act.
Wednesday, January 13 | Opening Keynote Breakfast

Alice C. Hill

Special Assistant to the President and Senior Director for Resilience Policy on the White House National Security Council

Retired Judge Alice Hill leads a team responsible for developing resilience policy, including resilience to the impacts of climate change. Her duties also encompass Federal policy relating to the Arctic. While at the White House, Judge Hill has led the development of Presidential Executive Orders directing incorporation of climate resilience considerations into international development, increased coordination of federal efforts in the Arctic and establishment of a national flood risk management standard. Prior to joining the National Security Council, Judge Hill served as Senior Counselor to Secretary of the Department of Homeland Security (DHS). In that position, she provided advice and counsel on broad public policy issues directly impacting the nation’s security. Prior to joining President Obama’s administration, Judge Hill served as Supervising Judge on both the Los Angeles Superior Court and the Los Angeles Municipal Court. Before beginning her judicial career, she served as a Federal prosecutor and headed the white-collar crime unit in the Los Angeles United States Attorney’s Office. Over the course of her career, Judge Hill has received numerous awards, including Harvard University’s National Preparedness Leadership Institute’s “Meta Leader” of the Year Award, the Los Angeles Superior Court’s Masters Award and the Department of Justice’s John Marshall Award for outstanding legal achievement. She received her law degree from the University of Virginia School of Law and her BA from Stanford University with Distinction.

Thursday, January 14 | FEDCon® Keynote Breakfast

Honorable Stephen T. Ayers, FAIA, LEED AP

Architect of the Capitol

Stephen Ayers was nominated by President Barack Obama and confirmed by the United States Senate in 2010 for a 10-year term as Architect of the Capitol (AOC). He is responsible for the facilities maintenance and operation of the historic U.S. Capitol Building, the care and improvement of more than 553 acres of grounds and the operation and maintenance of 17.4 million square feet of buildings including: the House and Senate Congressional Office Buildings, the Capitol Visitor Center, the Library of Congress Buildings, the U.S. Supreme Court Building, the Thurgood Marshall Federal Judiciary Building and other facilities. He is also responsible for the care of all works of art in the Capitol under the direction of the Joint Committee on the Library and is responsible for the maintenance and restoration of murals, outdoor sculpture and other architectural elements throughout the Capitol complex.

Under Ayers’ leadership, the AOC has, through a variety of initiatives, reduced carbon emissions, improved energy efficiency and implemented sustainable design practices throughout the Capitol complex. Ayers is also committed to supporting small businesses to help facilitate competition and support local communities, and has implemented several programs to actively award contracts to companies that reflect the diversity of our country. The Architect of the Capitol has approximately 2,300 employees and an annual budget of nearly $600 million.

Ayers completed his Bachelor of Science degree in Architecture at the University of Maryland; received his Master of Science degree in Systems Management from the University of Southern California and was awarded an honorary Doctor of Public Design by the Boston Architectural College in recognition of his service as a champion of historic preservation, great public design and sustainability.

Ayers is a member and Fellow of the American Institute of Architects, a member of the National Trust for Historic Preservation and the George Washington Chapter of Lambda Alpha International. He also is an Accredited Professional in Leadership in Energy and Environmental Design. In 2014, Ayers was elected to the American Architectural Foundation Board of Regents. His other professional memberships include: ACE Mentor Program of the Greater Washington Area, Inc., where he serves on the board of directors; Construction Industry Institute; Construction Management Association of America, as a member of the board of directors and chairman of the audit committee and treasurer; Construction Users Roundtable, as vice-chairman of the board; International Facility Management Association; National Institute of Building Sciences, serving as vice-chairman of the board of directors; and the Washington Building Congress Board of Governors. He is the recipient of the Construction Industry Institute’s 2011 Carroll H. Dunn Award for Excellence. The National Academy of Construction elected him as a member of its 2013 class for transforming project delivery processes at the U.S. Capitol and caring for the nation’s historic treasures through inspired leadership, extraordinary vision and personal commitment.
Sondra Albert
Chief Economist of the AFL-CIO Housing Investment Trust
Sondra Albert performs research and analysis of economic data and provides forecasts of current economic trends to assist the HIT in its portfolio management work. She also has been instrumental in calculating the economic impacts of the HIT’s investments over the last 30 years. Albert has over fifteen years of experience in the field. Before joining the HIT in 2004, she worked at the Institute of International Finance in its Latin American Research group and prior to moving to Washington, D.C., she worked at Citigroup in its Economic and Market Analysis group. Albert holds a Bachelor’s degree from Washington University in St. Louis and Master’s degrees in Economics from New York University and George Washington University. She is also ABD and has a Master’s of Philosophy in Economics from George Washington University.

Rolf Alexis
Senior Capital Analyst, General Motors
Rolf Alexis is a lead analyst in the Global Facilities organization of General Motors and has developed maintenance systems and strategies to optimize fixed capital investments in the company worldwide. He has a background in manufacturing and environmental engineering and as a teacher of lean manufacturing, Alexis received a Bachelor of Science degree in Chemical Engineering from Rose-Hulman Institute of Technology; a Master of Business Administration degree from Eastern Michigan University; and certification in Six Sigma Lean Manufacturing from the University of Michigan.

David Allison, FAIA
Distinguished Professor, Clemson University

Frank Aucremanne
Executive Director, Cleveland Clinic

William P. Bahnfleth, PhD, PE
Professor of Architectural Engineering and Director, Indoor Environment Center, Pennsylvania State University
Dr. William Bahnfleth holds degrees in Mechanical Engineering from the University of Illinois at Urbana-Champaign. Prior to joining the faculty at Penn State in 1994, he was Senior Consultant for ZBA, Inc., and previous to that, Principal Investigator at the U.S. Army Construction Engineering Research Laboratory. Bahnfleth teaches undergraduate and graduate courses in HVAC fundamentals and design and conducts research on energy efficient building systems and indoor environmental quality. He is the recipient of an ASHRAE Exceptional Service award and served as Society President in 2013-2014.

Debra Ballen
General Counsel and Senior Vice President of Public Policy, Insurance Institute for Building and Home Safety
Debra Ballen joined IBHS in 2008 as the general counsel and senior vice president of public policy. In this capacity, she is responsible for all of IBHS’ legal matters and oversees a number of important public policy initiatives, including building codes, adaptation, community resilience and economic incentives for mitigation. She is a frequent speaker about the broad benefits of mitigation and has testified before Congress and state legislatures on these matters. Ballen graduated with a juris doctor degree from Harvard Law School and a bachelor’s degree from Princeton University. She also has received the CPCU designation.

Coker Barton
Senior Vice President / National Healthcare Director, Hoar Construction
Coker is responsible for long-term strategic planning for the healthcare division including assessing and developing new markets, coordinating regional efforts and enhancing relationships with healthcare clients. With over 25 years in the healthcare construction industry, Coker seeks to understand clients’ goals, objectives and business needs and to build partnering relationships with them. His considerable healthcare background includes all medical facility types and delivery methodologies. This experience coupled with his client-centered approach and understanding of the healthcare industry allows him to assist clients in achieving reasonable solutions for their business objectives.

Dennis Bausman, PhD
Construction Science and Management, Clemson University

John Becker
Director, Facilities Division, Defense Health Agency

Cindy Beckham
Executive Director, Mercy

Scott Bernstein
President, Center for Neighborhood Technology

Neil Blais
President & CEO, Blais & Associates, Chair, Multihazard Mitigation Council
In 2010, Neil Blais agreed to chair the National Institute of Building Sciences Multihazard Mitigation Council. His interest and involvement in the emergency management industry developed following the Northridge Earthquake in 1994. Blais consulted to the California Governor’s Office of Emergency Management helping the state with recovery efforts, which included recovery efforts for wildfires, winter storms and flooding. Subsequently he worked with several communities assisting with their recovery and mitigation efforts to increase resilience against future disasters. Through these efforts, Blais is acknowledged as a national expert on hazard mitigation and sustainable community development.

Shayda Z. Bradley
Executive Director Indiana University Health

Jerry P. Brashear
The Brashear Group

Eric T. Burk
Preconstruction Director, National Healthcare Group, Balfour Beatty Construction
Eric Burk successfully managed and participated in the collaborative design and preconstruction efforts of multiple high-profile healthcare construction projects with significant complexity and a collective value in excess of $3.5B. Several of these projects included the governmental oversight of Naval Facilities Command (NAVFAC), the Army Corp of Engineers (USACE), and the British Columbia Provincial Health Services Authority (BC PHSA). He is currently working on collaborative team efforts for the new patient tower project at Penn Medicine and...
Kevin Bush
Resilience Team Lead, U.S. Department of Housing and Urban Development
FPS

William R. Calhoun, Jr.
Clark Construction
AHIF

Tim Chipman
President, Constructivity, LLC
AHIF

Chip Cogswell
Managing Principal, Cogswell, LLC
IRT

Ryan Colker
Director, Council on Finance, Insurance and Real Estate, National Institute of Building Sciences
AHIF

Peter Dawson, AIA, NCARB
Senior Vice President of Facilities Services, Texas Children’s Hospital
FPS

Mike Dieterich
Sustainability Manager, McKissack & McKissack (Sustainability Consultant)
Plenary

Patrick Duke
CBRE Healthcare
AHIF

Kip C. Edwards
Vice President, Development and Construction, Banner Health
AHIF

Mohammed Ettouney, PhD, PE, MBA, F.AEI, Dist.M.ASCE
President, Mohammed Ettouney, LLC
ILA
Speaker Biographies

James Finlay
Finlay Consulting
FPS

Adam S. Fouse
Project Manager, Gilbane Building Company (Contractor)
Plenary

Brian Garbecki
Vice President, Director of Healthcare, Gilbane Building Company
Brian Garbecki has more than 25 years in the healthcare sector as an engineer, builder and facilities professional. Over the past 10 years, he has lead Gilbane’s healthcare center of excellence working in partnership with healthcare clients and project teams, assisting in developing and implementing high-level strategic facility plans involving cost studies for long term capital needs. Prior to joining Gilbane, Garbecki was the Director of Facilities Planning for a major Massachusetts health care system and a Professional Engineer designing healthcare facilities. He brings a unique perspective in the area of development and implementation of strategic facility plans. AHIF

Teddy Gebremichael, CCM, LEED AP
Program Director, McKissack & McKissack (Owner’s Project Manager)
Plenary

Sam Gioldasis
Walker Engineering
AHIF

Rebekah Gladson, FAIA
rggroup global
AHIF

Carlos Gonzales
Vice President, Clark Construction Group
Carlos Gonzalez has been involved in the construction industry for 20 years. He has bachelor’s and master’s degrees in engineering, as well as a master’s degree in business administration. Gonzalez has served as a project manager and supervisor on multiple healthcare projects, including a 450-million square foot facility for the Navy. He notes that healthcare offers the most diverse challenges and building systems and complex technology in the construction industry and brings all the challenges that you could face in a building. “You can check all the boxes.” AHIF

Henry L. Green, Hon. AIA
President, National Institute of Building Sciences
Henry Green has led the Institute since 2008 after serving on the Institute’s Board for 8 years, completing a term as Chairman in 2003. Previously, he served as Executive Director of the Bureau of Construction Codes in the Michigan Department of Labor for 19 years; was a founding member of the International Code Council (ICC) Board of Directors, completing a term as President in 2006 and was on the Building Officials and Code Administrators Board for ten years, serving as President in 1997. Green’s awards and recognitions include: 1990 Man of the Year (Automatic Fire Alarm Association), 1998 “Distinguished Service to Government” Award (Building Industry Association of Southeastern Michigan), 1999 Walker S. Lee Award, 2005 U.S. House of Representatives recognition, 2010 High-Performance Buildings Congressional Caucus Coalition Honor, and 2013 ICC Bobby J. Fowler Award. WBSE, Plenary
Walter Grondzik, PE  
Professor of Architecture, Ball State University, ASHRAE Fellow, Past President of the Society of Building Science Educators  

Walter Grondzik is an architectural engineer and a licensed professional engineer. His interests include high-performance building design and all areas of building environmental control systems and their effects on buildings and occupants. Grondzik is author of Principles of Building Commissioning and co-author of Mechanical and Electrical Equipment for Buildings and The Green Studio Handbook. Grondzik is a Fellow of the American Solar Energy Society, an ASHRAE Fellow, past-president of the Society of Building Science Educators (SBSE), past-president of the Architectural Research Centers Consortium (ARCC) and is currently president of the board of the Passive House Institute US. WBSE  

John Hadden  
Loss Mitigation Coordinator, State Farm Insurance Companies  

John Hadden began his career with State Farm in 1991. His current responsibilities include managing the loss mitigation efforts for the South Central Market Area (which includes Texas, Louisiana, Arkansas, Oklahoma, Kansas and Missouri) homeowners book of business and spearheading the Impact Resistant Roofing Program. He is also involved in coordinating property risk surveys, as well as developing and implementing risk management, customer retention and loss prevention analysis techniques. In his previous capacity as a claim associate, Hadden supervised, trained and settled homeowner catastrophe losses during Hurricanes Andrew, Katrina and Rita; the North Ridge Earthquake; and numerous hailstorms, tornados, fires and floods. FPS  

D. Kirk Hamilton, FAIA  
Professor of Architecture, Texas A&M University  

Pat Huelman  
Professor, Building Testing, Diagnostics and Building Science, University of Minnesota  

F.D. Harter, PE  
Senior Program Manager, Gilbane  

Doug Harper earned a civil engineering degree from Virginia Military Institute and joined the Air Force where he served for 22 years in the Air Force Health Facilities program. The Air Force sent him to N.C. State where he earned dual master's degrees in construction management and business administration. Harper worked on the planning of the Walter Reed project and Base Realignment and Closure (BRAC) program. His last major Air Force project was the recapitalization of the San Antonio Military Health System. He joined Gilbane in 2015. AHIF  

Richard M. Harris  
FKP Architects  

Joseph J. Honick  
President, GMA International LTD, and Founder and President, International Commercial Tenants Association  

Joseph Honick is president, GMA International Ltd, headquartered in Bainbridge Island, WA, a consulting firm providing services in government relations, communications and other areas to business, government and industry for over 35 years. Honick is also the founder and president of the International Commercial Tenants Association and a former senior vice president and a life director of the National Association of Home Builders. His work has taken him frequently abroad, with special emphasis both as a consultant for American clients and as an invited lecturer, mostly to China and Japan. In China, for NAHB, he produced and chaired the landmark “World Focus on China Housing” which formed the basis for significant continuing relations. For NIBS, Honick chaired committees related to foreign investment in American real estate and modular housing. He is also a frequently published author on international, political and business matters and is a longtime member of the National Press Club of Washington, D.C. FPS  

Michael E. Hooker  
Executive Director, Onondaga Water Authority, Onondaga, New York  

Michael Hooker has been actively engaged in the water industry since 1980, currently serving as the Executive Director of the Onondaga County Water Authority (OCWA), a position he has held since October of 1993. Prior to joining OCWA, Hooker held management positions with Hardin County Water District No.1, Radcliff, Kentucky; Garden State Water Company, Phillipsburg, New Jersey; and New Jersey American Water, Lakewood, New Jersey. He currently is a member of the Water Sector Coordinating Council, representing of the American Water Works Association (AWWA) and will be joining the AWWA Board in June of 2016, representing New York as the Section’s Director. Hooker earned a Bachelor of Science Degree in Management for Montclair State College and a Masters in Business Administration with a concentration in Operations Management from Fairleigh Dickinson University. SDP  

George Huff is the founder of The Continuity Project, LLC, which provides custom-designed business continuity management solutions for organizations of all types. He is a Disaster Resilience Fellow for Business Continuity, National Institute of Standards and Technology, U.S. Department of Commerce; a member of the Board of Directors for the ANSI-ASQ National Accreditation Board; an ANSI-approved Delegate for the U.S. Technical Advisory Group to the ISO Technical Committee 292 Security and Resilience, and ISO Technical Committee 267 Facilities Management; a Special Advisor on the Standing Committee on Disaster Response and Preparedness for the American Bar Association; and a former Attorney-Advisor on Space and Facilities for the Administrative Office of the U.S. Courts. FPS  

Alicia Hill  
Senior Director for Resilience Policy, National Security Council  
ILA  

Brian Holmes  
Senior Vice President of Real Estate Development and Deployment, Texas Health Resources  

Brian Holmes is a 22-year veteran of Texas Health Resources (THR), having joined the organization as part of Presbyterian Healthcare Resources in 1993. Holmes’ responsibilities include facilities development and capital project management for all THR-owned and partnership hospitals. He also leads the System Facility Engineering function, as well as the Real Estate Operations for THR’s portfolio of medical office buildings. Prior to joining THR, Holmes served as an officer in the Navy Civil Engineer Corps. He is a graduate of Colorado State University with a degree in Civil Engineering. AHIF  

George B. Huff, Jr.  
Director of Consulting, Continuity Project LLC, and Disaster Resilience Fellow, National Institute of Standards and Technology  

George Huff is the founder of The Continuity Project, LLC, which provides custom-designed business continuity management solutions for organizations of all types. He is a Disaster Resilience Fellow for Business Continuity, National Institute of Standards and Technology, U.S. Department of Commerce; a member of the Board of Directors for the ANSI-ASQ National Accreditation Board; an ANSI-approved Delegate for the U.S. Technical Advisory Group to the ISO Technical Committee 292 Security and Resilience, and ISO Technical Committee 267 Facilities Management; a Special Advisor on the Standing Committee on Disaster Response and Preparedness for the American Bar Association; and a former Attorney-Advisor on Space and Facilities for the Administrative Office of the U.S. Courts. FPS
Lisa D. Iulo, RA, LEED AP  
Associate Professor, Department of Architecture and Architectural Engineering, Pennsylvania State University  
Lisa Iulo is an Associate Professor of Architecture and holds a courtesy appointment in Architectural Engineering at the Pennsylvania State University. Her research and practice relates to residential green building practices and affordable housing, energy efficiency and strategies for the implementation of renewable energy at the building and community scale. Iulo is co-investigator on an NSF Decision Frameworks for Multi-Hazard Resilient and Sustainable Buildings (RSB) grant. She serves as a faculty advisor to Penn State’s DOE Race-to-Zero competition team (2014-present). Previously, Iulo was co-faculty advisor to Penn State teams participating in the DOE National Renewable Energy Laboratory (NREL) Solar Decathlon in 2007 and 2009.  

Kerry Joels  
President, Total Learning Research Institute  
ILA

Walter B. Jones, Jr., BArch, MArch  
Senior Vice President of Campus Transformation, MetroHealth System  
Walter Jones worked in standard architectural offices for several years prior to engaging in healthcare design, but has been involved this specialization for the last 25. His role as vice president is multifaceted. At the most basic level, he is the senior leader of facility management, as well as construction management. Jones’ main focus now is to shepherd the major campus transformation for MetroHealth, where retaining many of the old facilities is untenable.  

Chris Kay  
Jacobs Project Management  
AHIF

Randy Keiser  
Turner Construction  
AHIF

Miles Keogh  
Director of Grants and Research, National Association of Regulatory Utility Commissioners  
SDP

Thomas E. Kinman, PE  
Vice President, Facilities, Cincinnati Children’s Hospital Medical Center  
Since joining Cincinnati Children’s in 1982, Thomas Kinman has held progressively more responsible positions, first within plant and clinical engineering and later with planning, design and construction. In 1992, he assumed administrative responsibility for other support service functions, including housekeeping, purchasing, materials management and dietary services. Later, Kinman assumed responsibility for real estate, security, parking, grounds and transportation. Since 1992, he has been the executive responsible for new construction and renovation projects totaling over $800 million. Kinman holds a BA degree from Thomas More College with a major in Physics, a BS in Mechanical Engineering from the University of Kentucky and a MBA from Xavier University in Cincinnati.  

Sue Klawans  
Director of Operational Excellence and Planning, Gilbane Building Company  
Sue Klawans is a long-time leader of client satisfaction initiatives. She has a wide range of responsibilities with a direct focus on improving value to clients through a Lean approach including collaboration, efficiency and continuous improvement. Klawans serves as a champion for business process and technical training efforts, helps ensure a ‘one-company’ execution of planning efforts and other initiatives, oversees and supports client satisfaction efforts, directs the customer service team for Gilbane’s online and mobile project management applications, and works closely with the Company’s internal peer groups to advance Lean operations. Klawans is a past member of the National Institute of Building Sciences Board of Directors.  
ILA, IRT

Gregory S. Knoop, AIA, LEED-AP  
Principal, OKKS Studios  
Gregory Knoop joined Oudens Knoop Knoop + Sachs Architects (now OKKS Studios) in 1995 where he has developed expertise in medical planning, master planning, security design, programming, site planning, historic renovations and environmentally sustainable design. He became an owner of the firm in 2003 and a managing principal in 2005. Knoop is responsible for overseeing a majority of the firm’s work with federal and local government agencies, including the U.S. General Services Administration, the U.S. Army Corps of Engineers, the U.S. Department of Justice, the U.S. Department of State, and the Montgomery County Department of General Services. He also manages the firm’s international portfolio. Knoop is a past member of the U.S. Department of State Overseas Buildings Operations Industry Advisory Panel. He graduated with a Bachelor of Architecture from Carnegie Mellon University with University Honors.  
ILA

Bryan Koon  
Director, Florida Division of Emergency Management  
SDP
<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Position</th>
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<tbody>
<tr>
<td>A.R. Ann Kosmal</td>
<td>Architect, Convener - GSA Climate Adaptation and Resilience Team, U.S. General Services Administration</td>
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<td>Twenty plus years of diverse architectural experience from Walt Disney Imagineering and the Culver City colony with Eric Owen Moss have tuned Ann Kosmal's insights to outcome delivery. She has specialized knowledge in adaptive management and climate ready design. Kosmal is the Convener of the U.S. General Services Administration's (GSA) Agency Climate Adaptation and Resiliency team. The team develops and implements GSA's climate change risk management plan and is a winner of the White House Green Gov Climate Champion Award. She uses her strengths as an integrator and technical resource to hone agency processes toward a climate ready enterprise. ILA</td>
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<tr>
<td>John Kouletsis</td>
<td>Vice President, Kaiser Foundation Health Plan</td>
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<td>Jeffrey Land</td>
<td>Vice President, Corporate Real Estate, Dignity Health</td>
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<td>Jeffrey Land's career has focused on running portfolios and addressing asset-related challenges in large organizations. Over the past 20 years, he has focused on healthcare, particularly with regard to not-for-profits. He is particularly drawn to the spiritual message of his institution and is motivated in his work by the belief that he can influence people's behavior and outcomes through the built environment. AHIF</td>
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<tr>
<td>Shawn Lawson</td>
<td>Operations Engineering Manager, FM Global</td>
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<td>Stephen R. Lee</td>
<td>Professor and Head of the School of Architecture, Carnegie Mellon University</td>
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<td>Professor Stephen Lee was re-appointed in July 2014 to a second five-year term as Head of the School of Architecture and is an active faculty member in the B.Arch, MSSD and DPP programs. He was the faculty adviser for the SoA's three Solar Decathlon teams and his teaching activities have resulted in the integration of undergraduate and graduate courses related to design, environment, materials, structures and construction. Design Intelligence magazine selected Lee as one of the “30 Most Inspiring Educators” in 2015 and he was recently appointed as a Science Ambassador for the National Academies of Science &amp; Engineering. Lee's scholarly and practice activities focus on issues of systems integration, material innovation, renewable energy and the integrated design process for high-performance commercial and residential architecture. WBSE</td>
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<td>Dan Lemieux</td>
<td>Principal, Wiss Janney Estether Associates</td>
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<td>Dan Lopez</td>
<td>Systems Engineer, O&amp;Isoft, LLC</td>
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<td>Joe Lstiburek</td>
<td>Founder and Principal, Building Science Corporation, Adjunct Professor of Building Science, University of Toronto</td>
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<td>Casey Martin</td>
<td>Program Manager, Jacobs Engineering</td>
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<td>Casey Martin has over 20 years of building industry experience and is currently engaged in the Asset Management Strategies practice at Jacobs Engineering where she consults with federal and private institutions. Martin provides full lifecycle perspectives throughout the project development stages that considers important long-term views, such as total cost of ownership, reliability centered maintenance practices, operation strategies, and processes and policies, to align asset management with business and mission objectives. As an historic architect with extensive career experience managing multi-disciplinary teams and meeting the criteria established by the Secretary of the Interior's Standards, Martin has performed numerous archival recordation documents to preserve the legacy and heritage of our nation's cultural and historic assets, as well as Section 106 compliance under the National Historic Preservation Act to mitigate the adverse effects of disposing of historic structures for federal agencies. IRT</td>
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<td>Nancy McNabb</td>
<td>Manager, Codes &amp; Standards, National Institute of Standards and Technology</td>
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<td>Nancy McNabb's responsibilities in NIST's Engineering Laboratory (EL) are focused on community resilience and include developing, implementing and maintaining strategic partnerships; strong working relationships with national and international standards and codes development organizations; and providing advice on actions required to strengthen the impact of EL results on U.S. and international codes and standards. Before joining NIST, McNabb was the Director, Government Affairs</td>
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**Speaker Biographies**

Kevin Mickey  
**Director, Geospatial Technologies Education, The Polsi Center, and Adjunct Associate Faculty, School of Public and Environmental Affairs, Indiana University Purdue University Indianapolis (IUPUI)**

Kevin Mickey teaches graduate courses in the application of GIS for emergency management and public safety. He has also been a lead instructor since 2003 for the FEMA Emergency Management Institute where he has designed and managed development of over two dozen courses in flood, earthquake and hurricane risk assessment, disaster operations and data management. Mickey has over 25 years of consulting experience. For the past decade, he has been focused on the creation of geospatial tools and workflows for managing flood risk, conducting risk assessments and developing mitigation plans for multiple communities. He currently serves as Secretary of the Multihazard Mitigation Council of the National Institute of Building Sciences Board of Direction. **SDP**

Rachel Minnery, FAIA  
**Director, Built Environment Policy, American Institute of Architects**

Rachel Minnery is an architect with over 15 years of design and management experience on building and planning projects focused on environmental and socially responsible design. She spearheads the community resilience program, disaster assistance and building codes policy at the AIA. Minnery advocates for community design activism and has led groups of volunteer architects to disaster-stricken places—particularly Mississippi and Haiti—responding to floods, hurricanes and earthquakes. Recently, Ball State University honored her with an Outstanding Alumni Award. **ILA**

Spencer Moore  
**Vice President for Operations and Facilities Management, MD Anderson Cancer Center**

Spencer Moore has experience in Texas's architecture, engineering and construction industry for more than 20 years. He currently serves as vice president of Facilities Management and chief facilities officer at The University of Texas MD Anderson Cancer Center. Moore oversees more than 15 million square feet of clinical, research and administrative space and nearly 1,400 employees who provide safety, property management, logistical and support services and capital development services. He holds a master's of business administration from The University of Houston Bauer College of Business and both a bachelor's and master's degree in construction management from Texas A&M University. **AHIF**

Scott Nelson  
**Director, Design & Construction, Advocate Health Care**

Scott Nelson has spent his entire professional career in the planning, design and construction of healthcare facilities. During these 29 years, he has sat on both sides of the architect-client table. Nelson has served as principal for national/international architectural firms, providing the highest-level planning expertise to healthcare clients. He currently serves on the client side and directs all planning and design efforts for the Midwest's largest integrated-delivery healthcare system, which also boasts the country's largest accountable care organization (ACO). With over $2 billion in capital construction, Nelson's team is responsible for managing forward-focused projects for 12 hospitals and 250 additional care sites. He has played a key role in designing and implementing a new project delivery method that has proven more cost- and time-efficient while delivering a higher-cost savings over the building's projected life cycle. **AHIF**

Sean O'Donnell, AIA, LEED AP  
**Principal-in-Charge, Perkins Eastman (Project Architect)**

Richard Onken  
**Leo A Daly**

Kimon Onuma, FAIA  
**President, Onuma Systems**

Kimon Onuma, having practiced architecture for three decades, is known for his innovative approach to building informed environments, ecosystems and cities. Incorporating BIM in his practice more than two decades ago, Onuma demonstrated BIM benefits on a large scale U.S. government project in 1994. He is currently working with the Department of Defense Military Health System and Department of Veterans Affairs on a series of strategic planning, programming and facility management projects with a focus on agile, lean and implementable big ideas for all aspects of the life-cycle. He is president of Onuma, Inc. **IRT**

Donald H. Orndoff  
**Senior Vice President, National Facilities Services, Kaiser Permanente**

Don Orndoff is senior vice president of National Facilities Services at Kaiser Permanente, one of America's leading health care providers and not-for-profit health plans, with an annual operating revenue of more than $50 billion. He leads National Facilities Services (NFS), a national organization of nearly 3,000 people, who provide products and services to support the complete facilities management life-cycle. Organized into five collaborative business lines, NFS supports Kaiser Permanente's business strategies with facilities planning and design, construction acquisition, real estate acquisition, facilities operations, and clinical technology. **AHIF**

Aris Papadopoulos  
**CEO (Retired), Titan Cement**

Aris Papadopoulos retired with 35 years of experience in the construction and energy industries. He presently chairs the board of ST Equipment & Technology, which provides water conservation solutions for minerals processing worldwide. In 2015, Papadopoulos founded the non-profit Resilience Action Fund, aiming to advance transparency, awareness and education for greater disaster resilience in the built environment. He authored the eBook ‘Resilience – The Ultimate Sustainability: Lessons from Failing to Develop a Stronger and Safer Built Environment’ (www.buildingresilient.com). He earned Bachelors and Masters Degrees in Chemical Engineering from MIT and an MBA from Harvard University. In 2015 he was appointed Distinguished Expert in Resilience at Florida International University’s (FIU) Extreme Events Institute, where he advises on urban resilience research and educational programs. **FPS**

Bob Payn  
**Director, Information Technology, National Institute of Building Sciences**

Bob Payn is the Director of Information Technology at the National Institute of Building Sciences, where he works with the Institute's councils, as well as government agencies, in developing and implementing data management strategies. He has more than 20 years of experience with information systems and website production, particularly with design and construction data. He specializes in open-source technologies and is a designer and programmer. Payn currently is the website developer and manager for the WBDG Whole Building Design Guide® and the Building Research Information Knowledgebase (BRIK). He earned a Bachelor of Arts degree from the College of Liberal Arts at the University of Southern Mississippi. **IRT**

for the National Fire Protection Association (NFPA) at their Government Affairs Office. Prior, McNabb was a service coordinator and staff architect for Building Officials and Code Administrators (BOCA) International. She was assistant director for code development and code interpretation for the New York State Department of State and a visiting assistant professor of structures at the University of Illinois, School of Architecture in Urbana-Champaign. **FPS**

**IRT**

**SDP**

**FP**

**IRT**
Keith A. Porter, PhD
Research Professor, University of Colorado, Boulder and Principal, SPA Risk LLC
Dr. Keith Porter specializes in societal risk from natural disasters, seismic vulnerability of buildings and second generation performance-based earthquake engineering (PBEE-2). Notable works include the Mitigation Saves 4:1 benefit-cost ratio study, FEMA P-58 Guidelines for PBEE-2, USGS's ShakeOut, ARkStorm, Tsunami Scenario and HayWired scenarios, the Global Earthquake Model's vulnerability methodologies and the Community Action Plan for Seismic Safety study, which informed San Francisco's soft-story retrofit ordinance. Porter is a licensed Professional Engineer and author of 150 scholarly and professional works.

David Prusha
Principal, Healthcare Group, HKS Architects
David Prusha has been involved in the planning, design and construction of healthcare projects throughout the U.S. over his 28-year tenure with the firm. He spent much of his career leading projects in the for-profit healthcare arena. Prusha is currently the Healthcare Practice Leader and directs those philosophies of design and construction toward project development and implementation for non-profit healthcare companies. He believes the integration of sound practical design with innovative construction practices can positively affect owner budgets, patient outcomes and speed to market, ultimately translating to quality lower cost healthcare.

Judy Quasney
National Institutes of Health

Bruce Raber
Vice President, Practice Leader for Health + Wellness, Stantec
Bruce Raber has over 35 years of experience in design, management, and production of complex buildings both in Canada and England. He has been named as one of the top 25 most influential people in healthcare design in North America. Raber is involved in a number of current projects which are exploring innovation from varying perspectives including sustainability, research based design to create emerging 'best practice' solutions, to alternate project delivery models including design build and public private partnerships.

Brooks D. Rainwater
Center Director, City Solutions & Applied Research, National League of Cities
Brooks Rainwater oversees National League of Cities’ research, research partnerships and community engagement efforts to strengthen the capacity of municipal leaders to create strong local economies, safe and vibrant neighborhoods, world-class infrastructure and a sustainable environment. Rainwater’s areas of expertise include economic development, urban innovation, and sustainability.

Chris Ramseyer
Associate Professor, University of Oklahoma

Samuel Rashkin
Chief Architect, Building Technologies Office, U.S. Department of Energy
Samuel Rashkin's primary role is leading deployment of proven innovations for new and existing high-performance homes. In his prior position, he managed the growth of ENERGY STAR for Homes from its inception in 1996 to more than 8,000 builder partners, over one million labeled homes and over 25 percent market penetration nationwide. Rashkin has been recognized for his contributions.
Speaker Biographies

to sustainable housing with the 2012 Hanley Award and has authored a book, titled “Retooling the U.S. Housing Industry: How It Got Here, Why It’s Broken, and How to Fix It”. WBSE

Georg Reichard, PhD
Associate Professor of Building Construction, Myers-Lawson School of Construction, Virginia Tech
Dr. Georg Reichard is a principal faculty in the Myers-Lawson School of Construction at Virginia Tech, where he is teaching in the areas of building systems integration and building sciences. As researcher, Reichard focuses currently on building performance, energy efficiency in buildings, retrofitting solutions, systems integration, integrated control strategies and smart building materials – using modeling and simulation assessment techniques to improve our buildings, their systems and operational processes. WBSE

Linda Reilly
Acting Director of the Office of Financial Assistance, and Chief, 504 Loan Program, U.S. Small Business Administration
Linda Reilly oversees a $30 billion national loan portfolio. She has more than 30 years’ experience in economic development finance at the federal, state and local levels and has worked with loan programs, infrastructure projects, economic impact studies, bond issues, revitalization projects and small business incubators. Reilly has worked with economic development offices and lenders across the U.S. She plans develop and implement strategies for outreach activities in connection with the promotion and continued development of the Agency’s 7(a) and 504 Loan Programs. Reilly represents SBA at interagency meetings with other Federal agencies and national trade associations, including but not limited to NADCO, NAGGL, ABA, National Realtors Association and IEDC. FPS

Stephanie Rico
Senior Vice President, Environmental Affairs, Wells Fargo

Ann Roberson
Director, South Carolina Safe Homes
FPS

Dorothy Robyn
Former Commissioner, General Services Administration Public Buildings Service
ILA

Maureen Roskoski
Corporate Sustainability Officer and Senior Professional, Facility Engineering Associates
Maureen Roskoski has worked with existing facilities on building certification, energy management and sustainable facility management during her 20 years of practice. She has taken several clients through the LEED for Existing Building certification process and brings experience with competency models, job task analyses, and workforce development. Roskoski has worked with commercial and federal facilities on energy audits, sustainability and workforce development planning including developing a competency model for the commercial energy workforce for Department of Energy. She brings experience with competency models, job task analyses, and workforce development. ILA

Darrell X. Rounds, FMA, CEM
Manager, Maintenance and Industrial Cleaning, General Motors
With nearly 20 years of experience in facilities management, Rounds leads the Facilities Maintenance activity for the Global Facilities organization at General Motors (GM). He and his team of engineers are responsible for prioritizing facilities asset sustainability initiatives, problem solving and disseminating facilities maintenance best practices across GM’s vast portfolio. ILA

Philip J. Schneider, AIA
Director, Multihazard Mitigation Council, National Institute of Building Sciences
Philip Schneider fosters an ongoing consensus-based process of updating and maintaining the NEHRP Recommended Seismic Provisions for New Buildings and Other Structures and promotes initiatives for a community resilience index and Version 2.0 of the Mitigation Saves report. Previously, Schneider directed the development of FEMA’s HAZUS and served as FEMA’s consultant for assessing HAZUS. He is a registered architect in Virginia and Maryland. FPS

R. Clay Seckman
SSR Engineers
AHIF

Raj B. Setty, PE, LEED AP, CxA
President & Principal, Setty & Associates (Mechanical Engineer)
Plenary

Mardelle Shepley, FAIA
Professor of Architecture, Cornell University
AHIF

Susan Lange Smite
Senior Vice President, Marsh USA
FPS
Ryan E. Smith  
Associate Professor and Director, Integrated Technology in Architecture Center, University of Utah and Chair, Off-Site Construction Council

Ryan Smith focuses his research on construction productivity through industrialized construction methods. He is author of Prefab Architecture (Wiley, 2011) and Building Systems (Routledge, 2012) and is published in magazines and journals widely. Smith speaks internationally on off-site prefabrication and industrialized construction and is a fellow of the Centre for Offsite Construction at Edinburgh Napier University, Modular Building Institute, and winner of the ENR 40 under 40 award. ILA

George a. “Skip” Smith  
Vice President, Catholic Health Services

Skip Smith has over 27 years of experience in healthcare facility management and has been with Catholic Health Initiatives since 2001. He is responsible for the development and ongoing leadership of the CHI’s Physical Asset Services group (PAS). PAS is made up of service organizations supporting Clinical Engineering, Architectural Services, Facility Management, Environmental Services and Physical Security/Emergency Management Programs. He received his degree from The Ohio State University, is a Certified Healthcare Facility Manager and has earned the designation of Senior from the American Society for Healthcare Engineering (ASHE). Smith was the 2011 ASHE President. AHIF

Maria Solis  
California State University, Sacramento

Karyn Sper  
Green Initiative Program Manager, Fannie Mae

Kurt Stahl  
Senior Vice President – Healthcare, Hunt Construction Group

Kurt Stahl started his construction career in the security detention industry in the early 90’s, working on projects that involved heavy prefabrication. However, in the late 90’s he found his true passion – healthcare construction – when he worked on a design-build project for the Veterans Administration. By 2008 Stahl’s focus was solely on healthcare construction as he led the preconstruction efforts of the first integrated design-build project for the Army Corps of Engineers, San Antonio Military Medical Center (SAMMC). He started the preconstruction services at the William P. Clements Jr. University Hospital in early 2011 as SAMMC was nearing completion. Stahl has an open book approach, an eye for planning and a commitment to the healthcare industry. AHIF

Jason Steinbock  
Principal, The Weldt Group

Jason Steinbock has over 15 years of experience providing comparative analysis services for high-performance buildings. A professional engineer, he is also a member of the LEED Energy and Atmosphere Technical Advisory Group (TAG) and an ASHRAE Certified Building Energy Modeling Professional (BEMP), IRT

George Sterling  
Healthcare Business Development Director, Trane Global Healthcare Practice

George Sterling has been engaged in the healthcare/critical environment markets since 1984. He has held several positions during his past 27 years in sales, marketing, business development and general management with Wyeth Laboratories, Labconco Corporation, Siemens Industry and most recently the Trane Global Healthcare Practice. Sterling has been in his current role with Trane since June 2010 and is responsible for Customer Satisfaction, Market Growth and Expansion of Offerings to meet the evolving needs of the healthcare industry. He is challenged to develop and implement healthcare strategies while leveraging the expertise of the Trane Global Healthcare Practice Team to support the healthcare market in the Southwest geography. AHIF

Susan K. Stokes  
Marketing Manager for Integrated Building Services, IBS Green

Susan Stokes specializes in strategic planning for the sustainable communities and resilient business operations, including the mitigation of environmental risk via the integration of clean and efficient energy systems and the development of Microgrids. Stokes is also a licensed commercial property casualty insurance broker who specializes in clean energy accounts. She created and headed up the Marsh & McLennan Renewable Energy Initiative in the Americas where she assisted Marsh offices throughout the Americas in the coordination of Risk Management and Insurance Programs for wind, solar, geothermal, biofuels and other alternative energy accounts. Stokes provided for a large German wind energy company to enter the U.S. FPS

John Straube, PhD, PE  
Associate Professor of Building Science, Joint Appointment Department of Civil and Environmental Engineering and Architecture, University of Waterloo, Ontario, Canada

Paul Strohm  
Senior Vice President, Healthcare Director, HOK Architects

Paul Strohm manages HOK’s global healthcare practice and is a member of the firm’s Healthcare Business Executive Committee. He is a founding member of the American College of Healthcare Architects and a member of Healthcare Design’s editorial advisory board. In 2015, Healthcare Design magazine named Strohm the top architect in its annual HCD 10. In 2013, he earned a Distinguished Alumni Award from Ball State University’s College of Architecture and Planning. With over three decades of expertise, Strohm’s extensive body of work includes a number of benchmark projects throughout the United States that have influenced the delivery of healthcare services. AHIF

Dana E. Swenson  
Senior Vice President, UMass Memorial Healthcare

Michael Tardif  
Principal, Managing Partner, Building Informatics Group, LLC

Prior to founding Building Informatics in 2013, Michael Tardif served for 5 years as Director of Technology Services for Grunley Construction, where he led the strategic implementation of BIM for this $300 million company. He served as the Director of the Center for Technology and Practice Management of the AIA, 1998 - 2004, and later as the agcXML Project Manager. Tardif’s experience also includes over 12 years in architecture practice. He studied civil and mechanical engineering at Worcester Polytechnic Institute (WPI) and architecture at Boston Architectural College (BAC). Tardif is the co-author, with Dana (Deke) Smith, FAIA, of Building Information Modeling: A Strategic Implementation Guide. He currently chairs the buildingSMART alliance COBie Task Group. IRT

E. Scott Tezak  
Security Practice Lead, TRC

Scott Tezak has over 24 years of experience in the fields of security, structural hardening and risk management. He has led multi-hazard risk assessments and security assessment teams for general use buildings, colleges and universities, transportation systems, convention centers, critical and essential facilities and other infrastructure around the country. Clients for these assessments included DHS/FEMA, the Departments of State and Treasury and the General Services Administration; port, transit and utility entities; and state and local governments. Tezak has been involved in the preparation of the DHS Risk Management Series publications BIPS 06 Reference Manual to Mitigate
Edward A. Thomas, Esq.
President, Natural Hazard Mitigation Association

Attorney Edward Thomas was elected as a Life Member of the American Bar Association (ABA) Foundation and the Council of the State and Local Government Section of the ABA. In addition, he serves on the Advisory Committee of the Natural Hazards Center of the University of Colorado and is an Instructor at the Harvard University School of Executive Education. Thomas is a frequent lecturer and has authored dozens of publications and articles on various Disaster Risk Reduction related issues. SDP

Phil Tobey
Senior Vice President, SmithGroupJJR

Phil Tobey is a national healthcare leader of SmithGroupJJR, one of the nation’s largest architectural/engineering firms. He has over 45 years of experience in healthcare planning and design for the country’s leading academic medical centers and healthcare systems. In 2008, Tobey was appointed to the U.S. Defense Health Board, evidence of his federal and military healthcare expertise, and most recently, to the Independent Review Panel on military standards by the Secretary of Defense. Recognized for his leadership in healthcare planning architecture, he is a Fellow of the AIA and Fellow and Founding Member of the American College of Healthcare Architects and is the recipient of the national 2012 Urban Medal for notable contributions in the field of architecture from the Society of American Military Engineers. AHIF

Leanne Tobias
Managing Principal, Malachite, Chair, Council on Finance, Insurance and Real Estate

Leanne Tobias has over 20 years of experience in the commercial property industry spanning real estate pension fund investment, sustainability, energy efficiency, property development and retrofit, and responsible property investment. She is Chair of the National Institute of Building Sciences Council on Finance, Insurance and Real Estate (CFIRE) where she led the collaboration on the Institute’s new study on incentivizing resilience strategies for the built environment. At Malachite, Tobias advises the U.S. government on the energy-efficient retrofit of its 1.9 billion square foot portfolio and led the energy audit and LEED certification of over 2 million square feet of privately-owned commercial space. She sits on the national finance advisory board of U.S. Environmental Protection Agency (EPA) and is the author of Retrofitting Office Buildings to be Green and Energy-Efficient. the Urban Land Institute’s authoritative textbook on green office renovation around the world. Tobias holds an MBA from Wharton Business School and a Master’s of Public Affairs degree from Princeton University. FPS

Guy Tomberlin, CBO
Past President, International Code Council, Chief of the Residential Branch, Fairfax County, Virginia

Guy Tomberlin has been a code official with Fairfax County, Virginia’s Department of Public Works and Environmental Services since 1985. He has served in many capacities including inspector, supervisor, and code specialist and currently is the Branch Chief of Residential Inspections/Plan Review. Tomberlin serves numerous professional organizations in many capacities and is currently the Immediate Past President on the ICC Board of Directors. He develops and delivers training programs within Virginia and across the country addressing both commercial and residential topics. His service goal in all his roles is to enhance public safety through the use of the model codes. SDP

Thomas Vonier, FAIA, RIBA
President-Elect of the American Institute of Architects (AIA), Founding President of AIA Continental Europe, and Secretary General of the International Union of Architects (UIA)

Thomas Vonier, FAIA, RIBA, is the AIA’s 2016 President-elect and works from Paris and Washington, D.C., for organizations with worldwide industrial holdings. Board-certified in security planning and operations as well as a licensed architect, he led groundbreaking work on embassy security for the U.S. State Department. Vonier is a founder of the AIA’s European chapter and was the first president of the AIA International Region. As Secretary General of the International Union of Architects (UIA), he has made architecture’s global voice and role stronger. His peers elevated Tom to the AIA College of Fellows. He studied at Washington University in St. Louis and at the University of Wisconsin-Milwaukee. WBSE

Ujjval K. Vyas, PhD
Principal, Alberti Group

Barbara Wagner
Senior Vice President, Clark Construction Group

Barbara Wagner has over 30 years of experience in the construction industry working for Clark. She has extensive experience in design/build, healthcare and sustainable markets. Wagner serves on the National Board and is the past Chair of the National Design Build Institute of America (DBIA) and serves as President Emeritus of DBIA’s Western Pacific Region. She is a graduate of Catholic University, earning a B.S. in Architecture and holds a Masters in Civil Engineering and Construction Management from the University of Maryland. Her professional licenses and accreditations include a contractor and engineer’s license in the state of California, DBIA designation and LEED accreditation. AHIF

Martin J. Weiland, PE
Facilities Standards Program Manager, U.S. General Services Administration

Martin Weiland manages GSA’s PBS-P100, Facilities Standards for the Public Buildings Service. The P100 standard provides a comprehensive set of performance and prescriptive requirements for all projects. Since 2014, the P100 has shifted focus to a measureable multi-tiered performance standard. As a licensed mechanical engineer, Weiland’s career has spanned a broad array of building performance-related areas, including HVAC and plumbing design; Building Automation System design, installation, and programming; construction project management; building operation and maintenance; government relations and grant seeking for an HVAC association; and building energy improvement advocacy and oversight. ILA

Michael Weiss
Working Buildings, LLC

James P. Whittaker, PE, CFM
President/CEO, Facility Engineering Associates, P.C.

Jim Whittaker has both bachelor and master’s degrees in engineering and is a registered professional engineer. He is credentialed through IFMA as a certified facility manager (CFM) and is an FM instructor with IFMA and George Mason University. Whittaker is also a Fellow of the Royal Institute of Chartered Surveyors (FRICS). He is currently Immediate Past Chair, Board of Directors for the International Facility Management Association (IFMA). In 2011 he was also appointed to and currently serves on the National Academies of Sciences, Engineering and Medicine, Board on Infrastructure and the Constructed Environment (BICE). Whittaker is also currently Chair and head of the U.S. delegation of the ANSI US/TAG for the ISO TC/267 FM Standards and Convenor for ISO 41000 FM management system standard. IRT

Brent Willson
HKS Architects

Speaker Biographies

Potential Terrorist Attacks Against Buildings, the Integrated Rapid Visual Screening Tool (IRVS) with ISC module, and he is an instructor at FEMA’s Emergency Management Institute for this course. IRT
Don Wojtkowski  
Executive Director Design/Construction, Saint Louis University Campus Renewal Project, SSM Health

Donald Wojtkowski is a Registered Professional Engineer and graduate of the University of Missouri at Rolla. He has been inducted into the University’s Academy for Mechanical and Aerospace Engineers and has served as a past President and Board member of the Academy. Wojtkowski is past National President of the American Society for Healthcare Engineering (ASHE) of the American Hospital Association and is a Fellow member of the Society. He has managed healthcare-related design, construction, facilities management and real estate initiatives for over 40 years. ASHE has recognized his expertise with the society’s inaugural "Excellence in Facilities Management" award in 2009. AHIF

Brent Woodworth  
President/CEO, Los Angeles Emergency Preparedness Foundation

Brent Woodworth consults with business leaders, elected officials and heads of state in the development and implementation of improved risk identification, disaster management, community partnerships and global humanitarian relief services. He retired from IBM after 32 years, where he founded and managed “The Crisis Response Team,” and was involved in the concept creation, initial design and roll-out of the Sahana international partnership emergency management system. Certified in disaster recovery, business continuity, incident management, disaster communications, search and rescue, and emergency medical services, Woodworth worked with nongovernmental organizations and international relief agencies, including the World Health Organization; United Nations (U.N.) World Food Programme, Office for the Coordination of Humanitarian Affairs, U.N. High Commissioner for Refugees; World Bank; World Vision; International Red Cross; and U.S. Agency for International Development. SDP

Stephen C. Wooldridge  
Vice President, Integrated Real Estate & Facilities, MedStar Health

Prior to joining MedStar Health, Stephen Wooldridge worked for 23 years in military health. His role at MedStar Health is to “provide leadership for an emerging system,” which includes the full cycle of capital projects activities, including: developing standards for capital requirements, strategic planning, operations, real estate transactions and acquisitions, and project management and delivery. He holds a bachelor’s degree in electrical engineering, and master and doctoral degrees in construction and management. AHIF

Roy E. Wright  
Deputy Associate Administrator for Insurance and Mitigation, Federal Emergency Management Agency

Roy Wright leads FEMA’s risk management, risk reduction and flood insurance programs. He directs the National Flood Insurance Program, the mitigation programs under FEMA’s Stafford Act authorities, the National Earthquake Hazards Reduction Program and the National Dam Safety Program. Wright is also responsible for the delivery of environmental and historic preservation technical assistance and compliance across all FEMA programs. He chairs the inter-agency Mitigation Framework Leadership Group (MitFLG) that coordinates mitigation and resilience efforts across the Federal Government in consultation with State, local, Tribal, and Territorial governments as well as the private sector. SDP
AFG Group, Inc. is an experienced program, project and construction management business with a national portfolio of federal, state and municipal projects. With main offices in Washington, DC and New York City, and locations throughout the country, the firm specializes in healthcare, laboratory, courthouse, offices, and institutional facilities. AFG, with over 60 architects, engineers and construction professionals, oversees all aspects of a facility’s programs—from project planning through relocation. Recently, AFG has received the following recognitions: 2014 CMAA National Project Achievement Award; 2014 CMAA National Capital Chapter Project Achievement Award; and the 2014 ENR Top 100 Construction Management firm. Additional information can be found at www.afgcm.com.

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The Air Barrier Association of America (ABAA) is a national, not-for-profit trade organization dedicated to education and outreach, technical standards and quality assurance for the air barrier industry. Members consist of manufacturers, contractors, design professionals, consultants, testing agencies and other industry allies. ABAA is a central educational resource to the industry on various topics as they relate to air barriers, building envelope and energy efficiency. ABAA works to support standards, energy efficient building codes and research. ABAA’s Quality Assurance Program is a unique and comprehensive program to deal with the effective installation of various air barrier technologies. The program consists of contractor accreditation, training, installer certification, quality control audits, coupled with a complete quality management system to provide assurance the air barrier is installed right, the first time! www.airbarrier.org

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Workshop on Building Science Education in North America Sponsor

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Building Commissioning Association (BCA) is an international non-profit organization that serves as the recognized authority and resource on commissioning. Our membership is made up of professionals from the commercial building industry, committed to the highest standards and practices for the commissioning process. The mission of the BCA is to guide the building commissioning industry by advancing best practices and education throughout the building industry, and promoting the benefits of building commissioning to achieve buildings that work. The BCA supports certification programs that set a high bar for the commissioning professionals who manage the total building commissioning process. www.bcxa.org

Building Owners and Managers Association International (BOMA) is a federation of 92 BOMA U.S. associations and 17 international affiliates. Founded in 1907, BOMA represents the owners and managers of all commercial property types including 10.4 billion square feet of U.S. office space that supports 1.8 million jobs and contributes $226.7 billion to the U.S. GDP. Its mission is to advance a vibrant commercial real estate industry through advocacy, influence and knowledge. www.boma.org

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The FEMA Building Science Branch provides technical services for the Federal Insurance and Mitigation Administration (FIMA). The branch develops and produces multi-hazard mitigation guidance that focuses on creating disaster-resilient communities to reduce loss of life and property. Building Science Branch activities include deploying Mitigation Assessment Teams to conduct post-disaster engineering investigations for both man-made and natural hazard events. Building Science takes a lead role in developing publications, guidance materials, tools, technical bulletins, and recovery advisories that incorporate the most up-to-date building codes, floodproofing requirements, seismic design standards, and wind design requirements for new construction and the repair of existing buildings. www.fema.gov
Exhibitor #16

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Exhibitor #17

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Exhibitor #20

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for the growing population of people with low vision. LVDC emphasizes collaborative efforts between federal agencies, the design professions and the medical community. www.nibs.org/lvdc

International Code Council is a member-focused association dedicated to helping the building safety community and construction industry provide safe, sustainable and affordable construction through the development of codes and standards used in the design, build and compliance process. Most U.S. communities and many global markets choose the International Codes. The International Codes, or I-Codes, published by ICC, provide minimum safeguards for people at home, at school and in the workplace. The I-Codes are a complete set of comprehensive, coordinated building safety and fire prevention codes. For more information please visit www.iccsafe.org or call 888-ICC-SAFE (888-422-7233). www.iccsafe.org

Mid-Atlantic Precast Association (MAPA) and PCI Northeast: MAPA represents fifteen precast concrete producers in MD, VA, PA, NJ, DE, DC and New York City. MAPA members produce building scale structural and architectural envelope systems. All MAPA producers are PCI certified. PCI Northeast represents fourteen precast concrete producers in VT, NH, ME, CT, MA, NY, and New York City. PCI Northeast members produce bridge beams, architectural envelope systems, and building structural elements. All PCI Northeast members are PCI certified. www.mapaprecast.org

Northeast Sustainable Energy Association: Founded in 1974, the Northeast Sustainable Energy Association (NESEA) is today the region’s leading membership organization promoting sustainable energy practices in the built environment. We, as professionals in the fields of renewable energy and building, embrace whole systems thinking as the path to sustainability. Our work is vital to increasing sustainability, especially in the building sector. To shape the built environment is to shape the future not only of our cities and towns, but also of our planet. Headquartered in Greenfield, MA, NESEA operates primarily in the northeastern United States—the six New England states plus New York, New Jersey, Delaware, and Pennsylvania. www.nesea.org

Noblis is a nonprofit science, technology, and strategy organization that brings the best of scientific thought, management, and engineering expertise with a reputation for independence and objectivity. We work with a wide range of government and industry clients in the areas of national security, intelligence, transportation, healthcare, environmental sustainability, and enterprise engineering. Together with our wholly owned subsidiaries, Noblis ESI and Noblis NSF we solve difficult problems of national significance. We bring an integrated set of capabilities and top talent across an array of disciplines and domains so we can offer clients the right expertise to accomplish their most critical missions. Our practical and sustainable solutions increase efficiency and reduce cost. www.noblis.org

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Procore Technologies, Inc., the world’s number one most widely used construction management software, helps firms drastically increase project efficiency and accountability by streamlining and mobilizing project communication and documentation. Hundreds of thousands of registered Procore users manage all types of construction projects including industrial plants, office buildings,
Exhibit #19

Science, Technology, Engineering &
Mathematics Education Program (STEM)
is the National Institute of Building Sciences, the Total Learning Research Institute and NASA collaboration seeking to engage and inspire K-12 students in Science, Technology, Engineering and Mathematics activities related to the building sciences. The Institute is leading this joint program to create and inspire interest in careers within the built environment and leverage STEM K-12 challenge curriculum and utilize educational resources developed by NASA along with technical assistance from the Human Exploration and Operations Mission Directorate, the Chief Technologist, the Science Mission Directorate and others. Find out more and contribute to this program at www.nibs.org/steam.

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Can You Meet the STEM Challenge?

The National Institute of Building Sciences STEM Education Program Committee challenges you — the leaders of our industry — to show your support. Research data shows that the current building workforce is aging and the need for new talent is at a critical level. We need your help to ensure the availability of professionals to design, construct and operate the high-performance buildings we’re striving to create. The Institute launched its STEM Education Program to inspire, engage, educate and employ building professionals of the future, but we can’t do it alone. Help us get the message to students, parents, teachers and guidance counselors about the rewarding careers in our industry.

Stop by the STEM Program Exhibit and learn more about the MARS CITY Facility Ops Challenge and how you can contribute to the success of the program. Consider supporting our efforts with a donation toward our goal to raise $5,000 by the end of this week. Talk to Ryan Colker to learn more and make your contribution. Donors will be recognized with the ‘Build the Future’ ribbon and on the STEM Program webpage.

Meet the challenge today! www.nibs.org/steam

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Virginia Tech was founded in 1872 and is Virginia’s most comprehensive university and leading research institution with a research portfolio of $450 million. It offers 215 undergraduate and graduate programs to nearly 31,000 students. The 2600-acre main campus in Blacksburg includes more than 125 buildings, a Center for the Arts, and a Corporate Research Center. There are off-campus educational and research facilities in the National Capital Region and across the state, as well as in Switzerland. Dedicated to its motto, Ut Prosim (That I May Serve), Virginia Tech fulfills its land-grant mission of transforming knowledge to practice through technological leadership and by fueling economic growth and job creation. www.vt.edu

**THANKS TO OUR VOLUNTEERS**

Thanks to the following student and professional volunteers who have contributed their time to help make this event a success.

- Abdullah Abuzaid
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- George Lewis
- Matt Nowakowski
- Thaiane Cardoso Rodrigues
- Cindy Zheng
- Xinshi Zheng

**TELL US HOW WE DID**

Thank you for attending Building Innovation 2016 – The National Institute of Building Sciences Fourth Annual Conference & Expo. We appreciate the time you spent with us. We hope that you found the programming enlightening and educational and that you have been inspired to collaborate on Achieving a Resilient Future. Next week, we will call on you once again to provide your valuable feedback. Please look for an e-mail from us inviting you to evaluate this year’s Conference and Expo and provide suggestions for improvements. Your completed survey will help us in planning content for future events.
In establishing the National Institute of Building Sciences, the United States Congress created a unique organization that brings together representatives of regulatory agencies, legislators and representatives of the private sector for free and open discussion of building industry issues to seek consensus solutions to problems of mutual concern. For more than 40 years, the Institute has served as an interface between government and the private sector with a mission to serve the nation and the public interest by supporting advances in building science and technology to improve the built environment.

As a non-profit, non-governmental organization, the Institute collaborates with representatives of government, the professions and the industry, labor and consumer interests to focus on the identification and resolution of problems and potential problems that hamper the construction of safe, affordable structures and resolution of problems and potential problems that United States. The Institute provides an authoritative source of advice for all sectors of the economy with respect to the use of building science and technology.

The following councils, standing committees and programs facilitate the essential work accomplished by the Institute, focusing on broad-based and specialized building process issues:

- Academy for Healthcare Infrastructure (AHI)
- Building Enclosure Council - National (BEC National)
- Building Enclosure Technology and Environment Council (BETEC)
- Building Research Information Knowledgebase (BRIK)
- Building Seismic Safety Council (BSSC)
- buildingsSMART alliance® (bSa)
- Commercial Workforce Credentialing Council (CWCC)
- Commissioning Industry Leadership Council (CxILC)
- Consultative Council
- Coordinating Council
- Council on Finance, Insurance and Real Estate (CFIRE)
- Facility Maintenance and Operations Committee (FMOC)
- Hazards Risk Assessment Program/Hazu
- High Performance Building Council (HPBC)
- Integrated Resilient Design Program (IRD)
- Low Vision Design Committee (LVDC)
- Multihazard Mitigation Council (MMC)
- National Clearinghouse for Educational Facilities
- National Council of Governments on Building Codes and Standards (NCGBCS)
- National Mechanical Insulation Committee (NMIC)
- Off-Site Construction Council (OSCC)
- ProJNet™
- Science, Technology, Engineering and Mathematics Education Program (STEM)
- Sustainable Buildings Industry Council (SBIC)
- WBDG Whole Building Design Guide®

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