**Welcome**

Panelists:
- Jay Baehr

**Performance, Partnerships and Perspective: Owners Panel**

Moderators:
- Northwestern University
- Catherine N. Hurley, P.E., CEM, LEED AP, ISSP-CSP
- Argonne National Laboratory
- University Chicago Medicine and Biological Sciences

**Smart Energy Analytics Campaign Recognition**

Benner Award Presentation: Liz Fischer

Consultant to LBNL

Benner Award Presentation: Liz Fischer, BCxA Executive Director

**Registration and Open Exhibits**

**Breakfast**

**9:30 - 5:00 am**

**Schaumburg East**

7:30 - 5:00 am

7:30 - 8:30 am

8:30 - 10:00 am

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**10:00 - 10:30 am**

**Break**

**10:30 - 11:30 am**

**Schaumburg West**

**Track: Cx ESSENTIALS: Existing Building Cx Health Care Cx Commercial Real Estate Electrical Cx**

**Sponsor**
- Critical Room Control
- CxAloy
- Facility Grid

**Room**

- Schaumburg West
- Schaumburg A-B
- Schaumburg C-D
- Schaumburg E-F

**10:30 - 11:30 am**

**It's Not Magic! A Proactive Approach to Save Money - Not Burn It.**

Tony DiLeonardo, LEED AP, CxA Wick Fisher White

**Commissioning a High-Tech Hospital in the Caribbean**

Kelly Adighije, CEng IMechE, LEED AP BD+C, BCxP, BEAP, GGP Baumann Consulting Inc.

**Lessons Learned**

Kenny Reed, PE, CCP, CEM, LEED AP Specialized Engineering Solutions

**Integrated Project Delivery – Design Phase**

Joshua Harwood, CCP Cator Ruma Associates

**Backup Power - That's Shocking!**

**11:40 to 12:40 am**

**EBxCX Best Practices: BCxA Update**

Justin D’Arcy, PE, BCxA Committee Chair Grunman | Butkus Associates

**How Commissioning Helps Hospitals Meet Requirements**

Paul Mulyk, PE, BCxP NVU Langone Health Michael Dooley, PE, CCP AKF

**Commissioning to Net Zero**

Cameron Scott, PE, CEM Salt Lake City Corp

David W. Griffin II, AIA BEMP Griffin EnerG Consulting

**When is it Acceptable to use Manufacturing QC Testing as Final Cx Acceptance Testing Results**

Jaime Olivas Page/ Olivas Consulting Services LLC

**12:40 - 2:00 pm**

**Schaumburg East**

**Lunch Keynote Sponsor: Pharmatech Associates, Inc.; Presentation of the Building Awards**

**2:00 - 3:00 pm**

**A Simply Better Business Model for EBCx**

Sandy Salman CROP Tracey Jumper, CCP, LEED AP Jump-Start Building Commissioning, LLC

**Design, Qualification, and Operation of a Gene Therapy Facility**

Michele Levenson Pharmatech Associates, Inc

**Commissioning Your Portfolio**

Jay Amundson University of Minnesota Vin Varghese, CEM AT&T Andrew Samuels Nexant

**No Interruptions: Commissioning Measures in Preventing Unplanned Downtime**

Ryan S. Lean, PE, CCP Jaros, Baum & Boles Phil Karnicki CBRE

**3:00 - 3:15 pm**

**Break**

**3:15 - 4:15 pm**

**ASHRAE Guideline 36**

Jeff Boldt, PE, FASHRAE, LEED AP, HBDA IMEG Corp.

**Smart Hospital Engineering Demands Smart EBCx**


**Using Technology for Communication and Team Building**

Nicholas Bova Matthew Damon Thomas Hyland Turner Construction Company

**Power Loss and Recovery Test – Best Practices**

James Adams, CxA, PE, EMP, RCD Facility Commissioning Group

**4:15 - 5:15 pm**

**How to Plan and Budget When You Don’t Know What You’ll Find**

Robert Austin Dewberry

**Sponsored Session: Healthcare Critical Space Pressurization Control**

Daniel Evans Critical Room Control John Villani, PE, CCP, CEM, LEED AP Grunman | Butkus

**Sponsored Session: Catch and Don’t Release – Maintaining Value Through Data Transfers**

Jacob Terry CxAloy

**Sponsored Session: Integrated Systems Testing of Large Facilities**

David Powell, Ceng ARUP Alex Kozinetz, PE, CxA, EBCP, LEED AP Facility Grid

**5:15 - 7:00 pm**

**Exhibitor Social Hour and Zurich Building Tours**

Schaumburg Ballroom Foyer
**Friday**

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<tr>
<th>Time</th>
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<td>7:00 - 8:00</td>
<td>Breakfast</td>
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<td><strong>TRACK:</strong></td>
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<tr>
<td>Cx Essentials: New Construction Building Cx</td>
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| 8:00 - 9:00  | The Things We Wish We Knew at the Beginning  
David Guberud, QCxP, CAx  
Shana Jones, QCxP  
Ring & DuChateau, LLP  
Fan Array Retrofit and Cx: Easy as Plug ‘n Play  
Geoff Hancock, CEM  
Verdera  
Ongoing Commissioning Best Practices  
Janelle Griffin, PE, CCP  
RTI International  
Kelsey Leslie, PE, CAx, Niagara IV  
Paladin, Inc.  
Jesse Sycuro, PE, CCP, CEM, LEED AP  
Brookfield Global Integrated Solutions |
| 9:15 - 10:15 | Cx Process Management Needs Stakeholders’ Participation  
Gerald J Kettler, PE, CCP, CEM, REM, LEED Fellow  
Facility Performance Associates  
BAS Commissioning: Overlooked Key to Successful Operations  
Tavis Werts, PE, CCP  
Altura Associates  
Virtual Cx: Myth or the Future  
Tom Poeling, PE, CCP, CEM  
US Engineering Company  
Hendrik Van Hemert  
McKinstry  
Sandeep Dath  
The University of Illinois at Chicago |
| 10:15 - 10:30 | Break                                                                                                                                             |
| 10:30 - 11:30 | What Should I do With This Cxing Documentation?  
Robert Totton, CCP, LEED AP  
Cleveland Clinic  
Reviewer: Lyn  
Moderator: Host  
Lessons Learned in Building Enclosure Commissioning  
Kenneth Roko, AIA  
RWDI  
Reviewer: John R.  
Moderator: Host  
An Owners Perspective on Ongoing Cx  
Ryan Ollie, PE, CEM, CMPvP  
Condell Medical Center  
Patrick Biesty  
Sterling Bay  
Gary Graham  
Cushman & Wakefield  
Gerry Sapienza  
Abbott Laboratories |
| 11:30 - 1:00  | Lunch Keynote: Adding Energy Behavior to the Building Performance Equation - Eileen Westervelt, PE, CEM, QCxP, LEED-AP |
| 1:00 - 2:00 pm | Top Six Common Mistakes in Creating an OPR  
Alex Mathers, PE, CxA  
GMC Commissioning Inc.  
Common Pitfalls in High-Rise Domestic Hot Water Recirculating Systems  
Miles Ryan, PE, CEM  
Questions & Solutions Engineering  
What can you see from 10,000 feet?  
Howard "Howdy" Reichmuth, PE  
Energy Resource Management Company |
| 2:00 - 3:00 pm | Sponsored Session: Creating Turnover Packages: Bridging Cx and Quality in One Software Platform  
Lili Sander  
InEight  
Sponsored Session: Chef’s Choice: Demand Control Kitchen Ventilation  
Randy Miles, PMP, LEED AP  
Melink  
Sponsored Session: Commissioning Model of the Future: Continuous Building Optimization  
Sunny Sandhu  
CopperTree Analytics |
| 3:00 - 3:15 pm | Break                                                                                                                                             |
| 3:15 - 4:30 pm | Closing Plenary  
BCxA President-Elect Dan Forino, PE, CCP, LEED AP BD+C, WELL AP  
Horizon Engineering Associates, LLP |