JOIN US
AT THE 24TH ANNUAL NCBC!

FIRE AND ICE: ENERGY, WATER AND WHOLE BUILDING COMMISSIONING

MAY 16-18, 2016 | INDIAN WELLS, CA

www.bcxa.org/training/ncbc
NCBC 2016 shines a spotlight on technical delivery of the commissioning process, building systems integration, business and marketing challenges, using monitoring/measurement and data analysis, and teamwork relationships. The theme this year, “Fire and Ice” will illuminate some of the most significant resource and efficiency challenges faced by the building community today, through the experience of building owners and commissioning providers – energy, water and the value of whole building commissioning.

How do you ensure systems integration with “whole building commissioning?” What do owners, design teams, builders and providers expect from whole building commissioning? How does commissioning contribute to resource efficiency?

This year’s impressive array of speakers will conduct interactive sessions and panel discussions to address subjects ranging from the “big picture” to building performance. Topics include:

- Building enclosure and whole building commissioning
- Incorporating systems automation and integration strategies
- How-to sessions for commissioning building systems: electrical, fire and life safety, hydronic systems and building enclosures
- Tools and methods for building commissioning and operations using energy modeling, monitoring-based commissioning and data analysis
- Expanding project team and technical roles for commissioning providers
- Assessing impact of new codes and standards
- Business issues such as contracts and liability; procurement; project teamwork and communication

This Cx conference is a must-attend! REGISTER TODAY!

Who Attends NCBC?

- Architects
- Building Owners
- Commissioning Authorities
- Controls Contractors
- Construction Contractors
- Mechanical Contractors
- Design Engineers
- Facility Managers
- Policymakers
- Utility Representatives
- Commercial Realtors
- Energy Managers
- Code Specialists
- Project Managers

www.bcxa.org/training/ncbc
Half Day BECx Workshop
MONDAY, MAY 16, 2016 – 1:00 PM TO 5:00 PM

H. Jay Enck, CxAP, HBBD, BEAP, LEED  
Fiona Aldous, Wiss Janney Elstner Associates

Integration and Scope Development For Building Enclosure Commissioning

The half day course will focus on helping Owners and Cx Providers understand the building enclosure commissioning process (BECx).

• How BECx differs from Cx for MEP systems
• How to determine the BECx scope of work
• How the owner might assess risk
• Project team roles and responsibilities
• BECx requirements in LEED v4 and in ASHRAE Standard 202 “The Commissioning Process for Buildings and Systems”

BCxA Member Registration: $200 (Early Bird) | $225 (After April 26, 2016)
Non-Member Registration: $250 (Early Bird) | $275 (After April 26, 2016)
BCxA Annual Dinner and Meeting MONDAY, MAY 16, 2016 - 6:00 PM

Imagine yourself at one of California’s sunniest destinations – relaxing on a patio under a clear blue sky that slowly melts into a bright, glowing sunset. Soft atmosphere, palm trees, white chalk hills framing the background. Your favorite sizzling appetizers and icy refreshments. Great conversation.

What you see is networking before sitting down to dinner and dessert designed by the Executive Chef, known as “a master of blending authentic with the varied and intriguing.” NCBC’s 2016 theme, “Fire and Ice,” represents the conference’s spotlight this year on water and energy.

The BCxA Annual Dinner evening begins Monday, May 16th at 6:00 pm at the NCBC conference hotel – Renaissance Indian Wells Resort and Spa in California. Dinner, served at 7:00 pm, will be followed by music, a light show and dancing.

Our annual dinner is open to members and non-members and their partners. Early registration is recommended as tickets will be limited this year.

BCxA Member Registration: $85 (Early Bird) I $95 (After April 26, 2016) I Non-Member Registration: $95 (Early Bird) I $115 (After April 26, 2016)

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Day 1
TUESDAY, MAY 17TH

| 7:30 - 8:30 | Registration/Continental Breakfast |
| 8:30 - 10:00 | Welcome - Bruce Pitts, BCxA President  
Keynote Address - Terry Venema, Director of Engineering, Renaissance Indian Wells Resort  
Benner Award Presentation - Liz Fischer, BCxA Executive Director |
| 10:00 - 10:30 | Exhibit Hall Opens - Break - In Ballroom 1, 2, 3 and Foyer |
| 10:30 - 12:30 | Concurrent Sessions  
Lighting the Flame: Procurement & Winning Work - Diana Bjørnskov, Senior Program Manager  
Owner’s Panel  
Joseph Lorino, PE, LEED AP – NewYork-Presbyterian Hospital  
Heath Blount - BRIGHTWORKS Sustainability  
Firefighting: Cx Commoditization - James I. Givens, CxA, EMP – RMF Engineering, Inc.  
Craig Hawkins, CCP, CxA – McKinstry  
How To: Cx Electrical Systems - Approach & Process - Curtis Wolbert, PE – Primary Integration  
How To: Test Building Enclosure Systems - John Runkle, PE – Intertek-ATI |
| 12:00 - 1:30 | Exhibit Hall - Lunch |
| 1:30 - 3:00 | Concurrent Sessions  
Under Fire: Covering Liability Through Contracts & Insurance - Bruce Pitts, CPMP, CSPA, LEED AP BD+C – Wood Harbinger, Inc.  
Ryan Schultz, MBA, CPCL, RPLU, ARM – USI Kibble & Prentice  
Wayne Dunn, PE, PEng, LEED AP – E.W. Dunn Developments, Inc.  
William McMullen – Dewberry  
How To: Cx Electrical Systems - Tools, Testing & Application - Panel - Curtis Wolbert, PE – Primary Integration  
Pete Samaras – DPR  
How To: Cx Hydronic Systems - David Sellers, PE – Facility Dynamics |
**GOLF TOURNAMENT**

**TO SUPPORT THE BCA SCHOLARSHIP FOUNDATION**

**MONDAY MAY 16, 2016**

8:30am - 2:30pm

Register Today!

$125 PER PERSON

**Join Us!**

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SUPPORT AN UPCOMING COMMISSIONING PROFESSIONAL, WIN PRIZES, AND ENJOY A GREAT ROUND OF GOLF!

QUESTIONS?

CALL 877.666.2292 OR SADAMS@BCXA.ORG

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<td><strong>In Search of a Common Language: Decisions &amp; Communication</strong></td>
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<td>Amara Rozgus, Editor in Chief - Consulting-Specifying Engineer</td>
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<td>Eileen Westervelt, PE, CEM, QCP, LEED AP - Westervelt Consulting Panel</td>
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<td>Fire &amp; Ice: Balancing Water &amp; Energy Performance</td>
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<td>Jeff Yrak, PE, CPMP, LEED AP BD+C, O+M - Wood Harbinger, Inc.</td>
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<td>Katherine Miller, Director of Campus Expansion, Facilities &amp;</td>
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<td>Workplace Services – Hilton Foundation</td>
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<td>How To: Cx Lighting Sequence of Operation</td>
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**Day 2**

**WEDNESDAY, MAY 18TH**

7:30 - 8:30

Registration/Continental Breakfast

8:30 - 10:00

**Concurrent Sessions**

Blazing Battles: Codes & Standards

Gerald J. Kettler, PE, CCP, LEED Fellow – Facility Performance Associates

Lee Riback, CxA, CEM, LEED AP BD+C – PS2

Hot Topic: Cx & Healthcare

Bryant M. Kirkland Jr, PE, CCP, LEED AP – Dewberry

Saverio Grosso, CEM, CEA, CBCP, BPCP – ENERActive Solutions

Joseph Lorino, PE, LEED AP – NewYork-Presbyterian Hospital

Leveraging Energy Data: Using Data to Find Cx Opportunities

Kenny Reed, PE, CEM, CxAP – HDR

Ryan Stroupe – Pacific Energy Center

10:00 - 10:30

Exhibit Hall - Break

10:30 - 12:00

**Concurrent Sessions**

Energy Model, M&V & Real World Cx

Robert Knoedler, PE, CxA, EMP – Hanson Professional Services, Inc.

Isaac Chambers, PE, CCP, LEED AP – Integral Group

Operating for Performance: Facility Operations

Dylan Connelly, PE, LA, LEED AP BD+C – Integral Group

Gregory Mantz, AIA, LEED AP – DPR Construction

Ed Simpson, CCP, CPMM – TESTCOMM, LLC

Monitoring for Performance: Implementing & Applying MBcX

Hannah Kramer, PE – Independent Consultant, Affiliate to LBNL

Janelle H. Griffin, PE, CCP – Dewberry

12:00 - 1:30

Lunch Session: What is Whole Building Cx?

Moderator: Bruce Pitts, BCxA President | William McMullen, Carl Lundstrom, Michael English, and Ed Faircloth, BCxA Past Presidents

1:30 - 3:00

Plenary Session

Working Session: Defining Whole Building Commissioning - Jesse Sycuro, PE, CEM, CCP, LEED AP – McKinstry

3:00 - 3:30

Exhibit Hall - Break

3:30 - 5:00

Closing Plenary

Defining Whole Building Cx | Wrap-up from BCxA President | Announcement for NCBC 2017
Exhibitor Showcase and Reception  
TUESDAY, MAY 17, 2016 – 5:00 PM TO 7:00 PM

Visit Exhibitor booths at the show, then join the Exhibitor Reception for refreshments from 5-7pm.

This is the opportunity for exhibitors to showcase products and services that advance commissioning in the built environment. See agenda for details and the exhibitor presentation schedule at www.bcxa.org/training/ncbc/exhibitors.

NCBC’s Exhibitor Showcase and Reception is a cost-effective way to build relationships and boost sales. You will generate qualified leads and expand your contact base. We limit the size of the showcase so attendees don’t feel rushed and there’s more time to have those important get-to-know-you conversations that lead to sales!

For more information please contact, Sheri Adams or Aimée Brown at 877.666.2292 or info@bcxa.org.

Conference Registration  
REGISTER TODAY

**BCxA Member Rates**

- Conference: $625 *(Early Bird)* | $675 *(After April 26, 2016)*
- Annual Dinner and Meeting: $85 *(Early Bird)* | $95 *(After April 26, 2016)*
- Pre-Conference Workshop: $200 *(Early Bird)* | $225 *(After April 26, 2016)*

**Non-Member Rates**

- Conference: $675 *(Early Bird)* | $725 *(After April 26, 2016)*
- Annual Dinner and Meeting: $95 *(Early Bird)* | $115 *(After April 26, 2016)*
- Pre-Conference Workshop: $250 *(Early Bird)* | $275 *(After April 26, 2016)*

**Hotel Registration**

RENAISSANCE INDIAN WELLS RESORT AND SPA

Special conference rate is available until April 26, 2016 subject to availability.

44400 Indian Wells Lane, Indian Wells, CA 92210  |  P: 1.760.773.4444

**NCBC Special Rate:** $189 *(single/double)*

**Continuing Education Credits**

EARN UP TO 13 AIA LEARNING UNITS AT NCBC

The BCxA is a registered provider in the American Institute of Architects (AIA) Continuing Education System. Conference attendees may receive general and HSW education credits based on their individual session or workshop attendance.

www.bcxa.org/training/ncbc
NCBC 2016
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www.bcxa.org

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National Institute of Building Sciences

SUPPORTING ORGANIZATIONS

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• Northeast Chapter

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ATTENDEE 2016