PASSING THE BATON

BCxA 2015 Election Results
Dear Members,

As 2015 comes to an end, I am thankful to have had the opportunity to serve as President of the BCxA Board of Directors for the past two years. I am confident that this organization remains at the forefront of leading the Commissioning industry into the next generation of the built environment. As I look back at the successes of the BCxA while I have served on the board and as President, I am proud of what we have accomplished and the direction in which we are headed. For example, we have:

- Embarked on formalizing BCxA University as a robust resource for technical and process education and training that serves commissioning providers and the building community.
- In our mission “to maximize the value of building commissioning to the built environment and its stakeholders,” we are taking a position side by side with other associations to analyze and elevate the role of commissioning, at the federal and regional levels.
- Refined and improved our Best Practices, the foundation of our profession as well as revising our publications. We are encouraging you, our members, to engage in the important effort to “get it right” in codes, standards and policy-making for excellence.
- Worked to deepen the value proposition of the Association to our members and updating our business and governance models.
- Taken a formal position standing up for qualifications-based selection, a process by which commissioning providers can be chosen, like the design teams they work with, to add tremendous value to projects rather than allow the profession to fall into a low value commodity. This effort must continue.
- Led nationwide review and advocacy in responding to three impending drivers for commissioning – “virtual” commissioning, commoditization, and building high performance commissioning teams that meet the technical and regulatory challenges of the future.
- Worked with the Building Commissioning Certification Board to complete ANSI certification for BCCB’s ISO 17024 accreditation for certifying commissioning providers.
- Updated policies and procedures to match our strategic goals and objectives, improving our internal effectiveness and resources.
- Delivered the most innovative and technically informed NCBC conferences ever in Hartford, Connecticut (2014) and St. Louis, Missouri (2015). Planning for NCBC 2016 in Indian Wells (Palm Springs area), California is looking like it may even outshine those!
PRESIDENT’S LETTER… CON’T

Congratulations to our newest BCxA elected officers (see page 8) for the International Board and BCxA Chapters – we’re all looking forward to the new energy and your fresh ideas.

I’d like to express my personal thanks to our superb staff, Liz, Sheri, Diana, Rosemary, and Aimee – there are none better in any industry. And thanks to our officers, board, committee members and chapters for all your hard work and time in 2015. I continue to be inspired and amazed by the talent, passion, and focus of our BCxA volunteer membership and will forever be grateful to have had the trust and confidence of such a special collection of professionals.

What you do every day makes such a big impact in improving the spaces we live, work and play in. Keep moving our profession forward!

During this holiday season, take time to focus on what is important - family, friends, and special time together. In spite of all the rushing around, I encourage you to renew your faith and your relationships, and enjoy the rich blessings only these things provide. The work will be here for us to re-engage in 2016.

Sincerely,

Bill McMullen
BCxA President

LETTER FROM THE EXECUTIVE DIRECTOR

We have learned from a recent survey of commissioning providers (CxPs) and stakeholders in commissioning that there are gaps between what CxPs want and what others in the building community want – apart from perfectly performing buildings. This is not news.

One thing that may be new to some is that commissioning education and training are high on the list by more than 300 respondents. We asked non-CxPs (e.g., owners, facility managers, design professionals, construction managers and utilities), “What one thing could the Cx industry do better to make your work more productive?” The top responses were about having a better understanding of:

- Commissioning approach, procurement and deliverables
- The overall CxP role and team communication
- How they are affected by codes and standards

Then we asked CxPs, “What training is most commonly needed to make new CxP entrants effective commissioning providers?” Respondents were allowed to select all that apply. It’s clear from the chart below that education and/or training, from Cx process through basic analytical skills, are needed to hone the capabilities and accelerate the careers of promising newcomers to the field.

We know training needs have reached a critical mass in North America and beyond. In January 2016, we will be launching BCxA University (bcxauniversity.org), which connects BCxA’s current webinar and classroom training with a robust online AND hands-on Cx training program. Some of you may correctly recognize the program as the one designed and implemented by BCxA and PECI. We have acquired full license to this program and will be updating the content in 2016 to meet the growing need for education of commissioning providers and building auditors.

In the meantime, our classroom training is well-attended in venues around North America. According to student Gary Pelletier, “I found the handout manual excellent value for the price of the course as well as your insights (Craig Hawkins, Instructor) in delivering the finished project in an electronic format. I was already moving into that realm but it was good to hear confirmation of client acceptance.”

What I want you to know is that your BCxA membership represents total advocacy for the future of your profession and your essential place in the building community. BCxA exists to support your imperative to deliver building efficiency, safety, resilience and livability, and give you the tools you need to do so.

Make a New Year’s Resolution to participate in your future through your membership and committee activities. And send me your recommendations for action!

Have a Happy and Safe Holiday Season!

Liz Fischer
Executive Director
**Meet Your New Representatives!**

Let’s extend hearty congratulations to the 2016 Building Commissioning Association’s newly elected (or re-elected) members of the International Board and the Chapters’ Boards of Directors.

**INTERNATIONAL BOARD MEMBERS**

**DIRECTORS-AT-LARGE**

- Kent Barber, PE, CCP, LEED AP, KBA
- Craig Hawkins, CxA, CCP, McKinstry
- John Whitfield, QCxP, DCEP, Primary Integration Solutions

**CHAPTER BOARD MEMBERS**

**CALIFORNIA**

- James Anderton, Independent Commissioning Consulting
- Steve Carroll, PE, CxA, Glumac
- Brian Graham, PE, CBCP, LEED AP, Design West Engineering
- Lyn L. Gomes, PE, KW Engineering, Inc
- Charles Hutchinson, LEED AP, CxA, CCP, tk1sc
- Christopher Kerr, Jacobs

**CENTRAL**

- David Guiot, LEED AP, En-Comm
- Rachel Rueckert, Ring & DuChateau Consulting Engineers

**EASTERN CANADA**

- Edwin Lim, Ecolibrium Strategies Inc.
- David Overton, CBCP, LEED AP, Stantec Consulting Ltd.
- Sethuraman Sundar, CEM, LEED AP BD+C, CPMP, CCP, Green Initiatives Inc.

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**BCxA ELECTION RESULTS**

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CxAlloy is a software provider for the built environment, helping thousands of customers all over the world deliver better quality buildings, improve operations, and quickly adapt to changes in business demands. CxAlloy’s enterprise commissioning software, CxAlloy TQ, helps manage the quality process for design and construction projects. It provides collaborative issue management, asset tracking, and quality verification through checklists and tests.

www.cxalloy.com

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CHAPTER BOARD MEMBERS CON’T

NATIONAL CAPITAL
- John Runkle, PE, Intertek-ATI
- S.R. Norris, Colliers International

NORTHEAST
- Michael Dooley, PE, LEED AP, CEM, CCP, AKF Group LLC
- Brad Jones, PE, LEED AP BD+C, CCP, The Cadmus Group, Inc.

NORTHWEST
- Scott Esher, McKinstry
- Dwight Gray, EIT, CCP, SMA, Engineering Economics, Inc.
- Colin Moar, CCP, Heery International, Inc.
- Robert Smith, CMRP, Commissioning Agents, Inc.

SOUTHEAST
- Richard Dutro, CxA, CPMP, CPD, LEED AP BD+C, Total Systems Commissioning, Inc.
- Tom Foster, Jr., PE, CxA, CBCP, Commissioning WorCx, LEED AP, BD+C
- Tim Gilbert, PE, CxA, EMP, LEED BD+C, HESM & A SALAS O’BRIEN
- Robert Knoedler, PE, EMP, CxA, Hanson

SOUTHWEST
- Matt Cooper, PE, CxA, CCP, LEED AP BD+C, Group14 Engineering, Inc.
- Joe Ellison, Saunders Construction, Inc.
- Russell Feery, CxA, Engineering Economics, Inc.
- Tracey Whaley, PE, FPE, CxA, Ambient Energy

TEXAS
- Brian Hennig, CCP, CPMP, HDR
- Mike Lackey, PE, LEED AP, CxA, CEM, CFM, CMVP, Lackey de Carvajal Cx
- James Thornton, CxA, LEED AP O+M, BD+C, AECOM

WESTERN CANADA
- Brett Crawford, P.Eng., CCP, CMVP, LEED AP BD+C, C.E.S. Engineering Ltd.
- Phil Dompiere, P.Eng., LEED AP ID+C, CPMP, Integrated Designs
- Boban Ratkovich, M.Eng, P.Eng., CEM, BESA, LEED AP, C.E.S. Engineering Ltd.
- Kevin Thurston, P. Eng., CEM, CMVP, Thurston Engineering Services

BCxA Recorded Webinars now available for purchase!
If you cannot attend a BCxA webinar at the scheduled time you can now purchase them at a later date. New recorded webinars will be added after each scheduled session.

For more information please visit: www.bcxa.org/training/webinars

HEA is celebrating 20 years of demanding a higher standard for your projects!
**BCA SCHOLARSHIP FOUNDATION 2015 AWARD**

BCA Scholarship Foundation announced that Theodore James Virtue, a mechanical engineering undergraduate honor student at Georgia Institute of Technology, has been awarded a $2,000 scholarship for pursuit of further education in the field of building commissioning. The BCA Scholarship Foundation represents an educational step toward workforce development in a field that is dedicated to making commercial and institutional buildings perform as intended.

Theodore’s interest in building commissioning began with recent student co-op experience at Working Buildings, a commissioning firm in Atlanta, GA. Within the past several months he has written functional test procedures, compiled an O&M manual, and reviewed submittals on several large commercial projects. Previously, as a volunteer, he gained experience in construction practices and equipment with the Appalachia Service Project in Tennessee and West Virginia.

“Witnessing the impacts that I have on them first hand through on-site visits has been a great experience for me thus far,” says Virtue. “I can honestly say that I had no idea what commissioning was when I started my co-op at Working Buildings, but now I see the importance of the work and the impact that it can have on any project, large or small. I hope to further my knowledge of commissioning in the other two co-op semesters that I will spend at the company.”

The Foundation’s mission is to encourage and motivate qualified students, continuing education candidates and industry newcomers to pursue study in fields of building science including engineering, architecture, building construction, building performance, and other fields related to building commissioning.

Foundation scholarships are intended to support secondary education tuition for current students or professional development courses for individuals currently working for a firm in the business of commissioning.

The Foundation seeks applications from individuals who show promise in contributing to the commissioning profession in the future. For further information or to apply for 2016 scholarships, visit bcxa.org/foundation.

The BCA Scholarship Foundation gratefully accepts your tax-deductible contributions. For more information, contact Sheri Adams, sadams@bcxa.org.

**NCBC 2016**

Mark your calendars and set your sights on the annual National Conference on Building Commissioning. The 2016 conference takes place at the spectacular Renaissance Indian Wells Resort & Spa Hotel near Palm Springs, California.

The theme, “Fire and Ice,” pulls together questions, answers and solutions for commissioning, and meeting challenges of the global “energy/water nexus” head-on.

**TWO PRE-CONFERENCE EVENTS ON MAY 15:**

- The ever-popular annual golf tournament supporting the BCA Scholarship Foundation at the world-class Indian Wells golf course
- A half-day in-depth seminar on Building Enclosure Commissioning (BECx)

On May 16th, the conference opens with a two-day intensive experience featuring expert speakers delivering peer-reviewed papers on technical, process and business aspects of commissioning and the built environment. The Exhibit Hall and Reception will offer great opportunities to check out the latest building technologies, share knowledge and network with other leaders in the field.

**MARK YOUR CALENDARS FOR MAY – SEE YOU THERE!**

Tenacious in our search for innovative solutions to our clients’ most pressing challenges.

Bill McMullen, LEED AP
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www.dewberry.com
BCxA UNIVERSITY ACQUIRES Cx TRAINING PROGRAM

The Building Commissioning Association (BCxA) has successfully negotiated with CLEAResult, a national energy services and consulting firm, for licensure of its online commissioning training program, “Commissioning Provider and Commercial Energy Auditor” (CxP/CEA).

The program was originally designed by BCxA and PECI through a grant from the U.S. Department Energy and co-funding from NYSERDA, California Energy Commission, Northwest Energy Efficiency Alliance, California Commissioning Collaborative and the BCxA. The CxP curriculum includes 80 hours of online learning that culminates in a 40-hour classroom lab.

CLEAResult’s acquisition of PECI in 2015 paved the way for the program to be licensed to BCxA as an original author. BCxA’s educational arm, BCxA University, will carry on the quality training program as a core part of its mission to provide intensive, hands-on commissioning education and growth opportunities.

The commissioning training provides deeper building science, analysis and performance education than is currently offered at the college level. This is the only program of its kind in the private sector that supports professional development in this field.

With the addition of CxP/CEA to its educational portfolio, BCxA University continues to expand the scope of classroom, webinar and online learning opportunities for new entrants and seasoned professionals associated with the field of commissioning.

Log on TODAY to BCxAUniversity.org to sign up for classes you need to round out your commissioning and building science education.

BCxA SPRING TRAINING

Webinars, online training and classes will be posted on the BCxA website in January 2016. Stay tuned for updates (http://www.bcxa.org/training/) and newsflash announcements.

BCXA RECORDED WEBINARS NOW AVAILABLE FOR PURCHASE!

If you cannot attend a BCxA webinar at the scheduled time you can now purchase them at a later date. New recorded webinars will be added after each scheduled session. (http://www.bcxa.org/training/webinars/)

BCxA IN THE MEDIA

Consulting Specifying Engineer (CSE) Magazine published BCxA’s Commissioning Giants article, including both CSE’s and BCxA’s survey of current industry status. Read More

Watch for the forthcoming CSE article on “Commissioning and the Technology Evolution,” authored by BCxA members Michael Chimack and Jesse Sycuro.

SEE BCxA AT AHR EXPO 2016

Visit BCxA at this January 25-27 event in Orlando, Florida. We are hosting Booth 5893 and also offering a free training on Tuesday, January 26th at 1PM on “The Value of Choosing Professional Commissioning for Your Project.”

BCCB CERTIFICATION

The Building Commissioning Certification Board (BCCB) is sometimes mistaken as a division of the BCxA, which it is not.

BCCB is an autonomous organization serving the public and the profession of building commissioning through the establishment and maintenance of criteria and procedures for the certification of professional building commissioning service providers. The BCCB shall in all of its actions strive to serve the needs of the certification program stakeholders, represented by the certificants, the public, employers, and regulators.

BCCB ONLINE

BCCB has established a website (http://bccbonline.org/) that describes the professional and educational requirements for becoming a Certified Commissioning Professional (CCP), Associate Commissioning Professional (ACP) or Certified Commissioning Firm (CCF). The website also offers the learning tools and registration information necessary to pursue certification or to recertify.

BUILDING START

Mobile Field Software.
CCP/CCF CONGRATULATIONS

The BCxA congratulates the following individuals and organizations on achieving the Certified Commissioning Professional (CCP) and Certified Commissioning Firm (CCF) designation.

NEW CCPs

- **Nate Aring**, Horizon Engineering, Boston, MA
- **Reg Barsoum**, Ecovert Cx, Waterloo, ON, Canada
- **Jeremy Bromley**, Keithly Barber Associates, Seattle, WA
- **Lance Brown**, BVH Integrated Services, Newton, MA
- **Marc Chiasson**, Isotherm Commissioning (Ottawa) Ltd., Ottawa, Canada
- **Matthew Cooper**, Group14 Engineering, Denver, CO
- **Stacey G. Cottrell**, MBP, Williamsburg, VA
- **Kennon Elmore**, Primary Integration Solutions, Inc., Dallas, TX
- **Michael John Furibondo**, Erdman Anthony, Rochester, NY
- **Lyn L. Gomes**, kW Engineering, Oakland, CA
- **Brian Hennig**, HDR Architecture, San Antonio, TX
- **Byron Holmstead**, Welsh Commissioning Group, Inc., Auburn, WA
- **Ken Keener**, Primary Integration, Charlotte, NC
- **Christopher Kinlen**, Code Green Solutions, New York, NY
- **Timothy M. Krzywicki**, Heapy Engineering, Cleveland, OH
- **Janelle Kolisch**, Heery International Inc., Portland, OR
- **Marc LaLonde**, Isotherm Commissioning (Ottawa) Ltd., Ottawa, Canada
- **Kent E Matthews PE**, KEMPE Independent Engineer LLC, Marietta, GA
- **Brendan McGrath**, In Posse LLC, Philadelphia, PA
- **Daniel S. Morin**, BVH Integrated Services P.C., Hartford, CT
- **Matt Napolitan**, Cx Associates, Burlington, VT
- **Christopher W. Piche**, Integral Group, Toronto ON Canada
- **Mark Seaburg**, Arup North America Limited, Los Angeles, CA
- **Gerald A. Timothy**, MBP, Conshohocken, PA
- **Kevin Parry Waldrop**, Systems West Engineers, Eugene, OR
- **Sean Whelan**, Dewberry, New York, NY
- **Philip Wright**, Brinjac Engineering, Washington, DC
- **Joseph C. Young**, e2s energy services, llc, Columbus, OH

RENEWING CCPs

- **Trey Headrick**, Affiliated Engineers, Inc., Alpharetta, GA
- **Jack M. Kirk**, CH2M, Portland, OR
- **Paul H. Levy**, Independent Consultant, Washington, DC
- **James D. Mascaro**, McDonough Bolyard Peck, Inc., Chesapeake, VA
- **Ian McIntosh**, Farnsworth Group, Inc., Duluth, GA
- **Candice Rogers**, Paladin, Inc., Lexington, KY
- **Brian Schwartz**, Burns & McDonnell, Bloomington, MN
- **Robert Totton**, Cleveland Clinic, Abu Dhabi, UAE
- **Matthew B. Tunnard**, Horizon Engineering Associates, LLC, Ann Arbor, MI
- **Jonathan Vaughan**, Page, Houston, TX
- **Francisco Valentine**, Premier Energy Solutions, LLC, Laurel, MD
- **Elise Wei**, Glumac, Los Angeles, CA
RENEWING CCFs

• Questions & Solutions Engineering, Inc., www.QSEng.com, Chaska, MN
• Primary Integration Solutions, Inc., www.primaryintegration.com, McLean, VA
• Baumann Consulting, www.baumann-us.com, Washington, DC

These individuals and firms join the ranks of the most qualified commissioning providers in the industry. Way to Go! The CCP exam is online and available at more than 200 testing sites. To apply, review the Candidate Bulletin and download the application at BCCBOnline.org.

Not sure if you are qualified? Send us your questions at rdicandilo@bcxa.org or call the BCxA Hotline at 877.666.2292.

NEW CORPORATE BCxA MEMBERS

• Bouthillette Parizeau Inc.
• Nexus Solutions LLC
• Samabot & Associates Ltd
• Swayzer Engineering, Inc

Superior building performance starts with superior commissioning

Whether your facility is new or existing, McKinstry’s commissioning services provide a guarantee of exceptional building performance from the beginning through the long haul.

For nearly two decades, we have provided commissioning services as a vital component of our integrated delivery. This expertise enables us to support our client’s design, construction, operation and maintenance of high-performing facilities that keep tenants comfortable and bottom lines strong.

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The Checklist Winter 2015
SPOTLIGHT: Behind The Scenes at BCxA (Staff)

We want to pause on this occasion to introduce the BCxA Staff – the people who are relentlessly dedicated to the principles and programs of the BCxA. As the backbone of the Association’s activities, they implement and support BCxA advocacy, education and training, and participation in BCxA services and events. These professionals are always ready to help current and prospective BCxA members make the best use of the value that BCxA offers.

Liz Fischer
Executive Director

Liz Fischer has been active in the energy efficiency, conservation and commissioning industry for more than 25 years. Liz is responsible for the BCxA’s overall administration, education and training programs, and international board development. She represents the BCxA in regional and global discussions of standards and guidelines advocating for best practices in commissioning the built environment. She was a co-creator of NCBC, the annual technical conference on building commissioning – now international and going into its 24th year. Prior to her current BCxA role, Liz was a Senior Program Manager at Portland Energy Conservation, where she participated in the firm’s development and management of commissioning programs, research and training.

Sheri Adams
Member Relations Manager

Sheri Adams has been active in the association management industry for more than 10 years. Sheri is responsible for annual membership development and retention, crafting membership recruitment campaigns in consultation with key staff and volunteer Membership Committee. She works with chapters to develop customized membership campaigns; develops programs and services that benefit members and meet strategic and operational goals; conducts research on member needs and trends relating to the practice of commissioning; and serves as staff liaison on the Membership Committee, Professional Development Committee, and Finance Committee.

Aimee Brown
Program Manager

Aimee Brown is a Program Manager for the BCxA managing implementation of strategic objectives including marketing and outreach, customer service programs, and special events. She manages the BCxA’s Marketing/Public Relations programs and events, and supports BCxA committee work. Prior to joining BCxA, Aimee was a Senior Program Manager at PECI where she managed a multimillion dollar contract for Bonneville Power Administration Energy Efficient retail program which operated in four states. The program included 20 million energy-efficient lighting products, 41 manufacturing partnerships, 46 retail partners, 1600 plus retail locations, 74 participating utilities. The program saved over 461 million kWh of residential energy savings.Aimee was nominated for the 2009 Michael C. Thompson ENERGY STAR Award.

Rosemary DiCandilo
Program Manager

Rosemary DiCandilo has been active in the environmental and sustainability fields for more than 25 years. As a BCxA Program Manager, she manages the implementation of BCCB policies and procedures in accordance with the management system and oversees all BCCB certification programs. Formerly the Education and Training Manager for Northwest Energy Efficiency Alliance (NEEA), she worked with the Commercial Group on utility, government and other energy efficiency programs. As a Project Manager for Zero Waste

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Alliance, she managed the largest cohort in the nation for the Sustainable Building Advisor (SBA) Certification Program covering building siting, energy and lighting, materials, indoor environmental quality, water, commissioning and operations. Her first international accreditation of a program with which she works goes live in 2016.

Diana Bjørnskov has spent over 30 years in the building industry as a marketing director, strategic planner and senior program manager for such firms as M+W Group, CH2M HILL, PacifiCorp and PECI. She has extensive experience leading research and analysis of building industry issues, energy policy and legislation, market potential assessment and program planning. She has often participated in the planning and implementation of NCBC since the first conference in Sacramento, California in 1993. Diana has authored numerous papers on building commissioning and energy efficiency, and continues to produce the BCxA’s quarterly journal, The Checklist, and other commissioning industry-focused papers and publications.

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Diana Bjørnskov
Senior Program Manager
ABOUT BCxA

The Building Commissioning Association is dedicated to professional development and industry advocacy for best practices in learning, doing, teaching and maintaining the highest standards for the building commissioning process to achieve persistent, efficient building performance. Learn more at www.bcxa.org.

2015 INTERNATIONAL BOARD OF DIRECTORS

- William McMullen, President Dewberry, Energy Solutions
- Craig Hawkins, CCP, Vice President McKinstry
- H. Jay Enck, Secretary Commissioning and Green Building Solutions Inc.
- William McCartney, CCP, Treasurer Isotherm Engineering Ltd.
- Kent Barber, CCP, Director Keithly Barber Associates
- Jeff Conner, Director Grumman Butkus Associates
- Tony DiLeonardo, Director Wick Fisher Wick
- Daniel Forino, CCP, Director Horizon Engineering Associates, LLP
- Ed Simpson, Director TestComm, LLC
- Bruce Pitts, Director Wood Harbinger, Inc.
- John Penney, Director John F. Penney Consulting Services, p.c.
- Tom Poeling, Director U.S. Engineering Company
- Tony Rocco, Director ALR Engineering Services Inc.
- John Villani, CCP, Director Grumman Butkus Associates
- John Whitfield, Director, Primary Integration

BCxA STAFF

- Liz Fischer, Executive Director
- Sheri Adams, Member Relations Manager
- Rosemary DiCandilo, Program Manager
- Aimee Brown, Program Manager
- Diana Bjørnskov, Senior Program Manager