



CABA Intelligent Buildings Council (IBC) Draft Meeting Minutes

Wednesday, February 17, 2021
12 NOON - 1:30 PM (ET) via Webinar

IBC Executive:

IBC Chair, Trevor Nightingale (National Research Council)
IBC Vice-Chair, Bob Allan (The Siemon Company)
IBC Vice-Chair, Harsha Chandrashekar (Honeywell International Inc.)
IBC Vice-Chair, Robert Lane (Robert H. Lane & Associates Inc.)
IBC Vice-Chair, Terrence DeFranco (Iota Communications, Inc.)

Present:

ABB, Inc., Julie Petrone
ABB, Inc., Mohammad Sami
Acuity Brands, Inc., Dan Diehl
Acuity Brands, Inc., Sarah Callahan
Acuity Brands, Inc., Tanya Hernandez
Arc Skoru Inc., Gautami Palanki
ASHRAE, Darryl Boyce
Automated Logic Corporation, Troy Maeder
AVIXA, Rochelle Richardson
Belimo Americas, Tom Daenzer
Bezos Technologies, Beatriz Bezos
BSRIA Inc., Henry Lawson
BSRIA Inc., Lone Hansen
CABA, Andrew Glennie
CABA, Conrad McCallum
CABA, Marta Klopotoska
CABA, Ron Zimmer
CABA, Sashien Godakandae
CAIL, Lindsay Pick
CLEAResult, Madeline Caldwell
ComEd, An Exelon Company, Rick Tonielli
CommScope, Inc., Crystal Thomas
CommScope, Inc., Ronna Davis
Connected Buildings LLC, Thomas Yeh
CSA Group, Parag Phalak

Delos Living LLC, Olesy Alekseev
Delos Living LLC, Paul Scialla
Distech Controls Inc., An Acuity Brands company, Kevin Clinger
DPR Construction, Kyle Shipp
Eagle Technology, Inc., Harshad Shah
EMerge Alliance, Brian Patterson
ESD Global, Raj Gupta
exp. US Services, Inc., Chris Larry
Honeywell International Inc., Debra Becker
Honeywell International Inc., Harsha Chandrashekar
Honeywell International Inc., Sathish Nanjappa
Iota Communications, Inc., Kimberly Velez
Iota Communications, Inc., Terrence DeFranco
IQuity Inc., David Emptage
Ken Wacks Associates, Ken Wacks
KNX Association, David Thurow
Legrand, Shana Longo
LumenRadio, Inc., Maciej Oldziej
METZ CONNECT USA, Inc., Hugh Daly
Multi-Tech Systems, Inc., Jerry McDermott
National Research Council (NRC), Alexandra Thompson
National Research Council (NRC), Brad Kelly
National Research Council (NRC), Guy Newsham
National Research Council (NRC), Jennifer Veitch
National Research Council (NRC), Natalia Cooper
National Research Council (NRC), Trevor Nightingale
Natural Resources Canada (NRCan), Varennes Bo Jiang
Northwest Energy Efficiency Alliance (NEEA), Jeff Rigotti
Padi LLC, Anto Budiardjo
PLC Multipoint, Inc., Bart Manguno
PLC Multipoint, Inc., Yoelit Hiebert
Plutinsus, Wolfram Willuhn
Safe Zone Technologies, Inc., Mike Anderson
Schneider Electric, Hugo Lafontaine
Siemens Industry, Inc., Bonnie Brook
Siemens Industry, Inc., Dan Finnegan
Siemens Industry, Inc., Hans-Joachim Langels
Siemens Industry, Inc., Richard Rivera
Signify, Kelly Seeger
Smart Cities Council, Philip Bane
Southwire Company, LLC, Charles Hume
Superior Essex Inc., Brian Ensign
Sustainable Resources Management Inc., David Katz
tekmar Control Systems Ltd., Eric Balt
Telecommunications Industry Association (TIA), Patrick Sweeney
The Siemon Company, Bob Allan

TSC – Development, James Smith
UL LLC, Sean Mccrady
Yorkland Controls Ltd., Mark Coleman

1. **Agenda** - Greg Walker (CABA)

Greg Walker (CABA) thanked everyone for attending, outlined the agenda and alerted everyone that the meeting was being recorded and will be made available to the industry.

2. **Call to Order, Welcome and Introduction** - Trevor Nightingale (National Research Council)

CABA Board member and IBC Chair, Trevor Nightingale (National Research Council) welcomed everyone and introduced: IBC Vice-Chair Bob Allan (The Siemon Company), IBC Vice-Chair Harsha Chandrashekar (Honeywell International Inc.), IBC Vice-Chair Robert Lane (Robert H. Lane & Associates Inc.), IBC Vice-Chair Terrence DeFranco (Iota Communications, Inc.), IBC White Paper Sub-Committee Chair Ken Wacks (Ken Wacks Associates) and the Keynote Speakers Paul Scialla (Delos Living LLC). Trevor also outlined the role of the IBC.

3. **Administrative** - Trevor Nightingale (National Research Council)

3.1 Motion to approve Past IBC Minutes

Trevor Nightingale (National Research Council) informed everyone that the meeting minutes from the November 18, 2020 IBC meeting were circulated and were posted on the CABA Web site in the IBC section: www.caba.org/ibc.

Motion to approve the November 18, 2020 IBC minutes was moved by David Katz (Sustainable Resources Management Inc.) and the motion was seconded by Terrence DeFranco (Iota Communications, Inc.). Unopposed motion passed.

3.2 Motion to Approve Terrence DeFranco (Iota Communications, Inc.) as the new IBC Chair

Trevor Nightingale (National Research Council) informed that he is stepping down as the IBC Chair. Ron Zimmer (CABA) and Greg Walker (CABA) thanked Trevor for his years of service as the IBC Chair.

Trevor Nightingale (National Research Council) outlined the biography of Terrence DeFranco (Iota Communications, Inc.) and made a motion to approve Terrence as the new IBC Chair. Harsha Chandrashekar (Honeywell International Inc.) seconded the motion. Unopposed motion passed.

4. White Paper Sub-Committee Update - Ken Wacks (Ken Wacks Associates)

An overview was given of the IBC White Paper review process, completed IBC White Papers and papers in progress. IBC White Papers are secondary literature review articles that are approximately 10-20 pages in length. These papers are written and distributed free of charge to inform the industry. For the papers to be approved by the IBC White Paper Sub-Committee (WPSC), they must have significant technical material of relevance to IBC members - they must not contain marketing material or promote an agenda. Any CABA member can and is encouraged complete the new one (1) page white paper proposal template and submit it to walker@caba.org.

If needed, CABA will secure a writer and/or a Working Group for the paper. If a CABA Member brings forward a proposal but is not able to find an author for the paper, the Member will need to send CABA \$500 USD. CABA will attempt to locate an author from one of many research firms. The \$500 will be given to the author(s) as an honorarium for their work in writing the paper. If an author cannot be found, the \$500 will be returned to the Member.

All completed and approved CABA White Papers are placed in the CABA Public Library, Members Library, CABA NewsBrief, CABA Twitter Feed, CABA LinkedIn Group and promoted at industry events. To view the CHC White Paper terms of reference, previous CHC White Papers and additional information, please go to: www.caba.org/ibc. All completed CABA White Papers, and those under development, can be found at: www.caba.org/whitepapers.

If you or someone that you know would like to join one (1) or more of the following White Paper Working Groups or recommend a new White Paper, please contact Greg Walker (CABA) at walker@caba.org.

IBC White Paper Sub-Committee:

- Ken Wacks Associates, Kenneth Wacks
- Consultant, Brittany Hack
- Consultant, Steve Samson
- Frost & Sullivan, Dilip Sarangan
- Intelligent Buildings Europe, Nikiforos Panorios
- National Research Council Canada (NRC), Heather Knudsen
- Sustainable Resources Management Inc., David Katz

If you or someone that you know would like to join one (1) or more of the following White Paper working groups, please contact Greg Walker (CABA) at walker@caba.org.

4.1 Recently Completed: None

4.2 In Progress:

“Impacts of Automated Shading in Building Projects”

Ken Wacks (Ken Wacks Associates) gave an overview of this paper.

- TRC Energy Services (Chair)
- Axis Lighting Inc.
- Draper, Inc.
- exp. US Services, Inc.
- Ken Wacks Associates
- Lawrence Berkeley National Laboratory (LBNL)
- Legrand
- Lutron Electronics Co., Inc.
- Mecho
- NYSERDA (New York State Energy Research and Development Authority)
- PLC Multipoint Inc.
- Screen Innovations
- Somfy Systems, Inc.
- Sustainable Resources Management Inc.
- Vistar Energy Consulting
- Window Products Management

“Fire Alarm Systems in Buildings”

Ken Wacks (Ken Wacks Associates) gave an overview of this paper.

- Canadian Fire Alarm Association (Chair)
- exp. US Services, Inc.

“Architecting Intelligent Self Learning Adaptive Smart Campus Framework for Smart Cities”

Ken Wacks (Ken Wacks Associates) gave an overview of this paper.

- NAVTAT Solutions (Chair)

“Needlepoint Bipolar Ionization and its Contribution to Smart and Safe Buildings”

Ken Wacks (Ken Wacks Associates) gave an overview of this paper.

- Pure Air Control Services, Inc. (Chair)

“Part 2: The Evolution of Integrating LiFi Technology into Smart Lighting and Control Systems for the Intelligent Building”

Ken Wacks (Ken Wacks Associates) gave an overview of this paper.

- Wharton County Junior College (Chair)
- Acuity Brands, Inc.
- ArcoLogix LLC
- Ken Wacks Associates
- National Electrical Manufacturers Association (NEMA)
- PureLiFi
- SnapAV
- Telecommunications Industry Association (TIA)

5. “Look for the WELL seal: Evidence-based strategies for health & safety in commercial real estate” - Terrence DeFranco (Iota Communications, Inc.), Paul Scialla (Delos Living LLC) (30 min)



Paul Scialla
Founder & CEO
Delos Living LLC



Description: From stadiums and hotels to corporate offices and coworking spaces, organizations, and facilities all around the world are getting back to business with the support of evidence-based standards, programs and solutions. Founder of the International WELL Building Institute (IWBI) and Founder/CEO of Delos, Paul Scialla, will share how the WELL Health-Safety Rating for Facility Operations and Management is leading the charge in helping buildings and organizations address the health, safety, and well-being of their most valuable asset—people.

6. Research Update - Bob Allan (The Siemon Company), Greg Walker (CABA), Harsha Chandrashekar (Honeywell International Inc.)

6.1 2020 IBC Landmark Research “Intelligent Building Energy Management Systems” - Bob Allan (The Siemon Company), Greg Walker (CABA)



Bob Allan (The Siemon Company) and Greg Walker (CABA) gave a brief overview of this 2020 IBC Landmark Research Project, “Intelligent Building Energy Management Systems”. Harbor Research completed this research for CABA on December 5, 2020. Only the funders will receive the full \$130,000 of research but the Executive summary is available to all CABA members at the CABA Store, www.caba.org/store. If you are not a funder and would like to purchase the full report, please contact Greg Walker (CABA) at walker@caba.org.

Twenty-two (22) CABA members funded this research project:

SILVER

						
						
						

BRONZE

			
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6.2 2020 IBC Landmark Research “Intelligent Buildings and COVID-19” – Greg Walker (CABA)



The CABA Board of Directors shifted the focus of the “Evidence for Building Retrofits that Improve Organizational Productivity (Phase 2)” research to “Intelligent Buildings and COVID-19”. The research was completed by Frost & Sullivan for CABA on February 9, 2021. Only the funders received the full \$100,000 of research but the Executive summary and Module One (1) of this research is available to all CABA members at the CABA Store, www.caba.org/store. If you are not a funder and would like to purchase the full report, please contact Greg Walker (CABA) at walker@caba.org.

Twenty-one (21) CABA members funded this research project:



The final deliverables and webinar are scheduled for March 16, 2021.

6.3 Annual “BACS Market Sizing North America” - Harsha Chandrashekar (Honeywell International Inc.)

Harsha Chandrashekar (Honeywell International Inc.) gave a brief overview of a new, invitation only, research on market sizing of building automation control systems.

Eight (8) CABA members have agreed to fund and participate in this research project:



7. **Other Business** - Patrick Sweeney (Telecommunications Industry Association, TIA), Greg Walker (CABA)

7.1 **SPIRE Smart Building Program** - Patrick Sweeney (Telecommunications Industry Association, TIA)

Patrick Sweeney (Telecommunications Industry Association, TIA) gave a brief overview of the SPIRE Smart Building Program. Built by TIA and UL LLC, SPIRE is the industry's first smart building program that holistically measures building technology and performance. Available now, the SPIRE Self-Assessment online tool can evaluate building intelligence based on an expertly curated, objective framework. And coming soon, the SPIRE Verified Assessment and Rating offers a complete smart building evaluation with the opportunity to earn a Smart Building Verified Mark. [CLICK HERE](#) for more information.

7.2 **Other new IBC business**

Greg Walker (CABA) made a call for new business such as: future IBC Guest/Keynote presentation topics and speakers, new IBC White Papers, new research projects and meeting ideas, etc. He also indicated that the next IBC meeting will be held May or June 2021 with details to be forwarded soon.

David Katz (Sustainable Resources Management Inc.) mentioned an opportunity for CABA to get into education and training in the intelligent buildings space. Ron Zimmer (CABA) mentioned there are plans to create an educational sub-council within the IBC that can address this need.

Ron Zimmer (CABA) and Greg Walker (CABA) also mentioned the CABA Board of Directors will soon be selecting the upcoming 2021 IBC Landmark Research project.

Ron Zimmer (CABA) discussed the new CABA Referral Program that will pay a 10 percent referral fee for any new CABA member (\$100 - \$1,600 USD referral fee). This will be paid in the form of an Amazon gift card or a discount on CABA membership.

8. **Adjournment** (1:30 PM ET) - Trevor Nightingale (National Research Council)

[Next IBC Meeting, May or June 2021](#)

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CABA IBC meetings are open to CABA Members and invited guests, and everyone is encouraged to participate. [CLICK HERE](#) for more info on the IBC, past minutes, participants, and terms of reference. Any CABA Member that attended as a guest will be added to the IBC, unless they notify the CABA office by March 26, 2021 that their name should not be added. Non-CABA members that attended this meeting as a guest, should contact Greg Walker, CABA Research Director, to indicate if they wish to join the IBC or CABA. [CLICK HERE](#) for more information on the 24 CABA Benefits and please circulate them to others in your organization.

Regards,

Greg Walker, CAE
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Continental Automated Buildings Association (CABA)
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