



CABA Intelligent Buildings Council (IBC)

Draft Meeting Minutes

Tuesday, February 28, 2023

12 NOON - 1:30 PM (ET) via Webinar

IBC Executive:

IBC Chair, Bob Allan (NAVCO, Inc.)

IBC Vice-Chair, Chris Larry (Exp US Services Inc.)

IBC Vice-Chair, Harsha Chandrashekar (Honeywell International Inc.)

IBC Vice-Chair, Robert Lane (Robert H. Lane & Associates Inc.)

Present:

ABI Research, Jonathan Collins

Aetna Corp., Charles Occhino

Ainsworth Inc., Claude Dupas

Ainsworth Inc., Derek Bishop

Aircuity, Inc., Daniel Diehl

Albireo Energy, LLC, Bryan Williams

Align Communications Inc., Ashley Holbrook

Align Communications Inc., Trey Somers

Align Communications Inc., Jhonneer Restrepo

Anchor Corporation, Phil Fung

Austin Lighting Group, Charles Raymond

Belimo Americas, Scott reed

BGIS, Victor Deveau

BROAD U.S.A. Inc, Sunny WANG

BSRIA Inc., Lone Hansen

Canadian Cyber Threat Exchange (CCTX), Bob Gordon

Chartered Institution of Building Services Engineers (CIBSE), Yan Xing

Cognizant, Stephen Plechy

Controls Depot Inc., Eric Montambeault

CSA Group, Ester Williams

DesignLights Consortium, Tina Halfpenny

Digital Twin Consortium, David Lee

Dokuz Eylül University, Selin Bicer

Dwyer Instruments, Inc., Tim Bonardi

Eagle Technology, Inc., Harshad Shah

EBTRON, Inc., Darryl DeAngelis

EFICIONA, Alberto Muñoz Esteban

EkeyUSA Systems, LLC, Hassan Hares

ENCORE Electric, Neil Gifford
Endeavor Business Media, Wanda Lau
Energy ISA LLC, George Belich
Frost & Sullivan, Maurice Okawaki
FUNDO GROUP Inc, Ilirjan Fundo
GLG, John Diamant
GSTEC, Alex Nott
Guidehouse, William Hughes
Homestead Land Holdings Limited, Jacob Gellert
Homestead Land Holdings Limited, Mike Lynch
Honeywell International, Inc., Brad Hill
Honeywell International, Inc., Harsha Chandrashekar
Honeywell International, Inc., Peter Williams
Honeywell International, Inc., Sathish Nanjappa
Honeywell International, Inc., Rahul Chillar
I3D, Inc., Beatrice Witzgall
IEEE Standards Association, Ravi Subramaniam
Interim Ventures, Agneta Rosenberg
International Facility Management Association (IFMA), Nickalos Rocha
JLL Technologies, Daniel Burns
Jofforts Energy Co., Ltd, Allen Chen
Johnson Controls Inc., Alison Hong
Johnson Controls Inc., Bernard Clement
Johnson Controls Inc., Charles Gans
Johnson Controls Inc., Chris Lane
Johnson Controls Inc., Jonathan Da Silva
Johnson Controls Inc., Joseph KLOTZ
Johnson Controls Inc., Marc Bertolin
Johnson Controls Inc., Shafia Zubair
Johnson Controls Inc., Arunkumar Vedhathiri
KMC Controls, Inc., Maria Barton
Kontagion Hub Limited, Antonio Mendonça
Legrand North America, Changhui lu
Legrand North America, David Clothier
Legrand North America, Pete Horton
Legrand North America, Charlie Derk
Lynxspring, Inc., Marc Petock
Metrikus Ltd., Michael Grant
Microshare, Lindsay Pick
Middlesex University London, Tong Yang
Mircom Group of Companies (MGC), Mark Falbo
National Research Council Canada (NRC), Marius Farcasiu
Natural Resources Canada (NRCan), CanmetENERGY, Megi Busho
Natural Resources Canada (NRCan), CanmetENERGY, Nicolas Gaumond
Nottingham Trent University, Gulay Ozkan
Parallel Communications Group, Inc., John Stafford
Paul Sabatier, CMU, Berangere Lartigue

Picacity AI, Inc., Iskandar Kfoury
Picacity AI, Inc., Sumeet Johar
Plutinsus, Wolfram Willuhn
Qatar Communications Co. WLL, Mohammed Farhan
Quebec BVI, Marc Lapointe
Real Estate Technology Alliance, Doug Lionberger
Schneider Electric, Brad Binfiglio
Schneider Electric, Christina Tomaselli
Seneca College of Applied Arts & Technology, Filimon Tsionas
SI2 Integrated Intelligent Solutions, Jayme Spinola
Siemens Industry, Inc., Benjamin Crowe
Siemens Industry, Inc., Bonnie Brook
Siemens Industry, Inc., Hans Langels
Siemens Industry, Inc., Jolynn Kennedy
Siemens Industry, Inc., Steven Will
Siemens Industry, Inc., Nolan Gao
Smart Building Technologies, Paul Meng
Smart Buildings Online LLC, Harry Smeenck
Sodexo Canada Ltd., Daniel Vander Veen
Superior Essex Communications, Brian Ensign
Sustainable Resources Management Inc., David Katz
Tallinn Univ. of Technology, Andres Rähni
TAPA, Journey Williams
tekmar Control Systems Ltd., Gregory Leupin
TELUS, Ian Cruickshank
The Cadillac Fairview Corporation Limited, Ayush Devan
The Chicago Faucet Company/Geberit Group, Richard Nortier
The Hartman Company, Thomas Hartman
Tridium, Inc., Stephen Holicky
Tridium, Inc., Craig Gemmill
Tridium, Inc., Michael LeBow
U.S. Green Building Council (USGBC), Melanie Colburn
University Reading, Derek Clements-Croome
Veni AS, Olav Løining
VIA Design + Technologies, Inc, Douglas Dixon
Your Growth Engine, Kevin McCaughey

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** – Bob Allan (NAVCO, Inc.)

CABA member and IBC Chair Bob Allan (NAVCO, Inc.) welcomed everyone and introduced: IBC Vice-Chairs, Harsha Chandrashekar (Honeywell International, Inc.), Robert Lane (Robert H. Lane and Associates, Inc.) and Christopher Larry (Exp US Services Inc.), CABA Whitepaper Chair, Ken Wacks (Ken Wacks and Associates) and keynote speakers Stephen Holicky (Tridium) and Journey Williams (Tapa Solutions)

3. **Administrative** - Bob Allan (NAVCO, Inc.)

Motion to approve Past IBC Minutes

Bob informed everyone that the meeting minutes from the November 10, 2022, IBC meeting were circulated and posted on the CABA Web site in the IBC section: www.caba.org/ibc.

A motion to approve the November 10, 2022, IBC minutes was moved by David Katz (Sustainable Resource Management), and the motion was seconded by Harsha Chandrashekar (Honeywell International Inc.). Unopposed motion passed.

4. **Research Update** - Harsha Chandrashekar (Honeywell International Inc.) & Greg Walker (CABA)



4.1 **2022 IBC Landmark Research “Healthy Buildings and Indoor Environmental Quality”** - Harsha Chandrashekar (Honeywell International Inc.)

Harsha gave a brief overview of this 2022 IBC Landmark Research Project, “Healthy Buildings and Indoor Environmental Quality”. Only the funders will receive the full \$130,000 of research but the Executive Summary of the research will be available to CABA Members. The funders selected Harbor Research to carry out this project.

There are currently 16 funders on this project and Harsha mentioned that the IBC is actively seeking more funders.



Funding Levels

Titanium - \$1K Bronze - \$5K Silver - \$10K Gold - \$15K

To become a funder, contact Greg Walker at walker@caba.org.

4.2 Annual “[BACS Market Sizing North America](#)” - Greg Walker (CABA)

Greg Walker gave a brief overview of this annual, invitation-only, market sizing study focusing on building automation control systems. The project is continuing in 2022 and may be expanded to additional field devices and geographical areas. Eight (8) CABA members have agreed to fund and participate in this research project:



5. [CABA Podcast](#) – Marta Klopotoska (CABA)

Marta Klopotoska (CABA) outlined CABA’s recent Podcast series on [Spotify](#) and [Apple Podcasts](#). CABA’s most recent episode titled “Part 1 - Post-Pandemic Building Issues, Cybersecurity & Intelligent Amenities - Overview” was released on February 1. If you or

someone that you know is interested in participating as a guest or host on a future episode, please contact Marta Klopotowska (CABA) at klopotowska@caba.org.

6. Keynote: “Holistic Intelligent Buildings: An open approach to looking at advancing building intelligence” – Chris Larry (Exp US Services), Stephen Holicky (Tridium), and Journey Williams (Tapa)

Chris introduced Stephen Holicky (Tridium) and Journey Williams (Tapa) who presented the keynote and participated in the Q&A.



Description: This session brought together multiple experts, all focused on system conductivity and improved building performance through intelligent buildings. This session:

- Addressed the need for intelligent buildings.
- Defined an approach for building owners to address this need.
- Discussed products and the concerns these products and their interfaces may alter the solution.
- Specific applications and fixes used to enable conductivity.
- Provided a holistic approach to integrated buildings to share data and make buildings more intelligent.

Christopher Larry: Christopher.larry@exp.com

Journey Williams: Journey.williams@tapa.cc

Stephen Holicky: stephen.holicky@tridium.com

7. 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 klopowska@caba.org.

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

IBC White Paper Sub-Committee:

- Ken Wacks Associates, Kenneth Wacks
- Consultant, Steve Samson
- Frost & Sullivan, Dilip Sarangan
- 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 Marta Klopowska (CABA) at klopowska@caba.org.

8. Other Business – Bob Allan (NAVCO, Inc.)

Other new IBC business

Bob Allan called for new business related to future IBC Guest/Keynote presentation topics and speakers, new IBC White Papers, new research projects and meeting ideas, etc.

No new CHC business was brought forward.

9. Announcements – Harsha Chandrashekar (Honeywell International Inc.)

9.1 Past Events Overview

[The Buildings Show](#) – November 30-December 2, 2022 | Toronto, ON

[BICSI](#) – February 5-9, 2023 | Tampa FL

[AHR Expo](#) – February 6-8, 2023 | Atlanta GA

[Distributech International](#) – February 7-9, 2023 | San Diego, CA

[Buildex Vancouver](#) – February 15-16, 2023 | Vancouver, BC

9.2 Upcoming Events

[ISH](#) – March 13-17 | Germany

[IFMA World Workplace](#) – March 22-23 | Netherlands

[IFMA Facility Fusion](#) – April 11-13 | San Francisco, CA

[Lightfair](#) – May 21-25 | New York, NY

[Realcomm IBcon](#) – June 14-15 | Las Vegas, NV

[Shanghai Intelligent Building Technology](#) – August 29-31 | Shanghai, China
[BICSI](#) – September 10-14 | Las Vegas, NV
[Greenbuild](#) – September 26-29 | Washington DC

10. **Adjournment** (1:30 PM ET) – Bob Allan (NAVCO, Inc.)
[Next IBC Meeting, Tuesday, May 30, 2023](#)

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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 9, 2023, that their name should not be added. Non-CABA members that attended this meeting as a guest, should contact Marta Klopowska at klopowska@caba.org, to indicate if they wish to join the IBC or CABA. [CLICK HERE](#) for more information on the 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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Web site: <http://www.caba.org>

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