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 Chiller
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 Smeenk
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 (NACO, 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](http://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 Klopotowska (CABA)

Marta Klopotowska (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.

![J. Christopher Larry](image)
Director of Energy Engineering

![Stephen Holicky](image)
Director of Product Management

![Journey Williams](image)
VP / Project Feasibility & Technology Support

**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](mailto:Christopher.larry@exp.com)
Journey Williams: [Journey.williams@tapa.cc](mailto:Journey.williams@tapa.cc)
Stephen Holicky: [stephen.holicky@tridium.com](mailto: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 klopotowska@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 Klopotowska (CABA) at klopotowska@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
- **Distributec 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
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 Klopotowska at [klopotowska@caba.org](mailto:klopotowska@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
CEO
Continental Automated Buildings Association (CABA)
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