



**CABA Intelligent Buildings Council (IBC)
Draft Meeting Minutes**

Wednesday, May 8, 2019

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.)

Present:

AirFuel Alliance, Sanjay Gupta

Alberta Economic Development, Orest Warchola

American Society of Heating, Refrigerating and Air-Conditioning Engineers
(ASHRAE), Mike Vaughn

Bachmann Consulting, Craig Bachmann

BIS Research, Karthik Sajiv

BIS Research, Satyam Srivastava

BIS Research, Sidharth Verma

BSRIA Inc., Aanal Bhagat

CABA, Andrew Glennie

CABA, Greg Walker

CABA, Ron Zimmer

Cimetrics, Inc., Anto Budiardjo

Connect4 Growth, Tom Hawkett

CornerSource, LLC, Lawrence Shields

Current, powered by GE, JP Camardo

Distech Controls Inc., An Acuity Brands company, Kevin Ridder

Ei Electronics US, Inc., Barry Donahoe

Emerson, John Wallace

European Building Automation and Controls Association (eu.bac),
Jean Daniel Napar

Guardian Alarm Co., Tracy Ennes

Honeywell International Inc., Harsha Chandrashekar

Honeywell International Inc., Sathish Nanjappa

Hydro-Québec, Célestin Ratsimbazafy

IBI Group, Roger Woods
IDEAL Industries, Inc, Robert Zadeh
IndoorVU, Stanley John
Iota Communications, Inc., Michael Davies
JLL, Jiri Skopek
Johnson Controls Inc., Joseph Klotz
Ken Wacks Associates, Ken Wacks
Legrand, Lolita Reyes
MOKA, INC., David Kaplan
National Electrical Manufacturers Association (NEMA), Andrei Moldoveanu
National Electrical Manufacturers Association (NEMA), Suzanne Alfano
National Research Council, Natalia Cooper
National Research Council, Trevor Nightingale
Navigant Research, Neil Strother
Otis Canada, Inc., Ankit Gupta
Public Services and Procurement Canada, Marek Dziedzic
R4 Ventures LLC, Darrell Richardson
Regional Industrial Development Corporation (RIDC), Christopher Pinelli
RetroLux, Jacob Papka
Schneider Electric, Stephanie Byrd
Siemens Industry, Inc., Dan Finnegan
Siemens Industry, Inc., David Thurow
Siemens Industry, Inc., Richard Rivera
Siemens Industry, Inc., Roberto Ramirez
Spectech, Michael Spencer
Stantec Consulting Ltd., Gary Rodgers
Systech Corporation, Robert Lutz
Target Corporation, Shane Schroeder
TelNet Management Consulting, Inc., Fawzi Behmann
TELUS, Ashley Gejdos
TELUS, Bishoy Beshara
TELUS, Dasola Oluge
TELUS, Rajwant Gill
TELUS, Richard Yanciw
TELUS, Terry Hickey
The Chicago Faucet Company/Geberit Group, Ronn Jefferson
The Siemon Company, Bob Allan
VIA Design + Technologies, Inc., Douglas Dixon
WLC Architects, Inc., Dennis Honrubia
Worthington Sawtelle LLC, Gerry Runte

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 Harsha Chandrashekar (Honeywell International Inc.), IBC Vice-Chair Robert Lane (Robert H. Lane & Associates Inc.), Bob Allan (The Siemon Company), IBC White Paper Sub-Committee Chair Ken Wacks (Ken Wacks Associates) and the Keynote Speaker, Sanjay Gupta (AirFuel Alliance). 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 January 30, 2019 IBC meeting were circulated and were posted on the CABA website in the IBC section: www.caba.org/ibc.

Motion to approve the January 30, 2019 IBC minutes was moved by **Bob Allan (The Siemon Company)** and the motion was seconded by **Harsha Chandrashekar (Honeywell International Inc.)**. Unopposed motion passed.

4. **“Wireless Power Enables Dynamic Digital Displays in Smart Retail” (30 min)** - Sanjay Gupta (AirFuel Alliance)



Sanjay Gupta
President & Chairman of the Board
[AirFuel Alliance](http://www.airfuelalliance.com)



Abstract: Smart Retail aims to replace the current paper or plastic product detail tabs with dynamic digital tabs. This would allow retailers to sync their on-shelf displays with their database of product names, prices, discounts, and stocking -- enabling real-time updates and less manual logistics. With thousands of displays per building, standard wired power becomes unrealistic at scale and retailers are exploring the adoption of wireless power to enable these digital displays. [CLICK HERE](#) for more information on the AirFuel Alliance.

Sanjay Gupta (AirFuel Alliance) gave a 30 minute presentation on “Wireless Power Enables Dynamic Digital Displays in Smart Retail”. [CLICK HERE](#) to access the recorded presentation and PowerPoint slides.

5. Research Update – Trevor Nightingale (National Research Council)

5.1 2019 IBC Landmark Research “Evidence for Building Retrofits that Improve Organizational Productivity (Phase 2)” - Trevor Nightingale (National Research Council)



The CABA Board of Directors selected “Evidence for Building Retrofits that Improve Organizational Productivity (Phase 2)” as the 2019 IBC Landmark Research Project. Trevor Nightingale (National Research Council) gave a brief overview. Due to the importance of this research, the CABA Board of Directors unanimously decided that the full research would be made freely available to the entire industry once it is completed. [CLICK HERE](#) to download the full Phase 1 research report and presentation.

Phase 2 will deploy the productivity frameworks from Phase 1 using partner-supplied human resources and real-estate data to demonstrate the value of specific building features and technologies. If you would like to know more

about Phase 2 of the research or would like to join Phase 2, please contact Greg Walker (CABA) at walker@caba.org. More information on Phase 2 of this project will be posted shortly [HERE](#).

CABA members currently signed up to support Phase 2 of this project:



6. 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. In order 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 – it must not contain marketing material or promote an agenda. Any CABA member can and is encouraged to bring forward a 1-2 paragraph White Paper proposal to the WPSC. If needed, CABA will secure a writer and/or a working group for the paper. All completed and approved IBC 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 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, and those under development, can be found at: www.caba.org/whitepapers.

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
Public Services and Procurement Canada, Marek Dziedzic
Siemens Industry, Inc., Raphael Imhof
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.

6.1 Recently Completed:

“Impacts of Automated Shading in Building Projects”

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

Working Group

Somfy Systems, Inc. (Chair)

Axis Lighting Inc.

Ecotay Inc.

Hunter Douglas

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

Siemens Industry, Inc.

Sustainable Resources Management Inc.

TRC Energy Services

Vistar Energy Consulting

Window Products Management

6.2 In Progress:

“Energy Metering and Power Quality Metering: Energy Management and Billing Services for Commercial, Institutional, Multi-Family, and Industrial Applications”

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

Working Group

EZ Meter Technologies (Chair)

ARC Advisory Group

ArcoLogix LLC

Asian Institute of Intelligent Buildings (AIIB)

Brainwave Research Corp.

CMG Consulting LLC

Compass Intelligence, LLC

Convergint Technologies Ltd.

CopperTree Analytics Inc.

Current, powered by GE

CyberPower Systems, Inc.

Domotz

Enercare Connections Inc.

Honeywell International Inc.
Ken Wacks Associates
Public Services and Procurement Canada
Renesas Electronics America Inc.
Robert H. Lane & Associates Inc.
Schneider Electric
Sustainable Resources Management Inc.
Triacta Power Solutions LP
Zinwave

“IoT Cyber Security Guidelines, Standards and Verification Systems”

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

Working Group

BC Hydro (Chair)
AgeLight LLC
ARC Advisory Group
ArcoLogix LLC
CANASA (Canadian Security Association)
CEDIA
Cimetrics, Inc.
Compass Intelligence, LLC
Consultant
Control4
CopperTree Analytics Inc.
CSA Group
Current, powered by GE
Domotz
eMcRey
exp US Services, Inc.
George Brown College
Honeywell International Inc.
Internet Society
Johnson Controls Inc.
Ken Wacks Associates
LonMark International
National Electrical Manufacturers Association (NEMA)
RYCOM Inc.
SPARQ Global
Sustainable Resources Management Inc.
Syska Hennessy Group, Inc.
TC9, Inc
The International Society of Automation
The Siemon Company
TrustCentral
TwelveDot Inc.
UL LLC

7. New Business – Andrew Glennie (CABA), Ken Wacks (Ken Wacks Associates), Harsha Chandrashekar (Honeywell), Trevor Nightingale (National Research Council)

7.1 New CABA Member Benefit: CABA White Paper Program (CIC) -
Andrew Glennie (CABA), Ken Wacks (Ken Wacks Associates)

Andrew Glennie (CABA) and Kenneth Wacks (Ken Wacks Associates) IBC White Paper Sub-Committee Chair, gave an update of this CABA Member Benefit. CABA publishes its own white paper series focused on both connected homes and intelligent buildings. The reports serve as authoritative guides to assist industry stakeholders make decisions about particular products, services and technologies. 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. In order for the papers to be approved by the IBC White Paper Sub-Committee (WPSC), they must contain significant technical material of relevance to IBC members – it must not contain marketing material or promote an agenda. Any CABA member can and is encouraged to bring forward a 1-2 paragraph White Paper proposal to the WPSC. If needed, CABA will secure a writer and/or a working group for the paper. All completed and approved IBC 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 IBC White Paper terms of reference, previous IBC White Papers and additional information, please go to: www.caba.org/ibc. [CLICK HERE](#) for all completed CABA White Papers, and those under development.

7.2 Keynote Selection Task Force - Harsha Chandrashekar (Honeywell)

An idea was proposed by the IBC Executive Committee to start a task force to select the next IBC keynote speaker. This task force would choose a keynote speaker from the list of topics/speakers proposed by the IBC during this meeting and from the list of those who volunteered to speak. This task force would make the selection well in advance of the next IBC. Harsha Chandrashekar (Honeywell) made a call for task force volunteers, there were no volunteers. Harsha agreed to Chair this task force.

7.3 New Business – Trevor Nightingale (National Research Council)

Trevor Nightingale (National Research Council) 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 August 8, 2019, with details to be forwarded in the near future.

8. Announcements – Ron Zimmer (CABA)

8.1 Past Events Overview:

- [International Wireless Communications Expo \(IWCE\), Mar 4-8, Las Vegas, NV](#)
- [ISH, Mar 11-15, Frankfurt, Germany](#)
- [The DesignLights Consortium® \(DLC\), April 1-3, St. Louis, MO](#)
- [BuildingsNY, April 2-3, New York, NY](#)
- [IFMA's 2019 Facility Fusion Conference & Expo, April 8-10, Atlanta, GA](#)
- [ISC West - International Security Conference & Exposition, Apr 10-12, Las Vegas, NV](#)

8.2 Upcoming Events:

- [2019 Haystack Connect, May 13-15, San Diego, CA](#)
- [Internet of Things World, May 13-16, Santa Clara, CA](#)
- [LIGHTFAIR International 2019, May 21-23, Pennsylvania, PA](#)
- [REMI/ISSA/IFMA '19 Shows, June 11-13, Toronto, ON](#)
- [Realcomm/IBcon, June 13-14, Nashville, TN](#)

8.3 Upcoming CABA Event:

- [CABA Smart Buildings Summit \(SBS\), Ponte Vedra, FL](#)

9. Adjournment (1:30 PM ET) – Trevor Nightingale (National Research Council)

[Next IBC Meeting, August 8](#)

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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 June 14, 2019 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.

Regards,

Greg Walker
CABA Research Director
Continental Automated Buildings Association (CABA)
Email: walker@caba.org
Phone: 613.686.1814 x227

Website: <http://www.caba.org>

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