



**CABA Connected Home Council (CHC)
Meeting Minutes**
Tuesday, May 28, 2019
12 NOON – 1:30 PM (ET) via Webinar

CHC Executive:

CHC Chair - Alarm.com, Roy Perry
CHC Vice-Chair - ABB Inc., Obiorah Ike
CHC Vice-Chair - TELUS, Danny Sran

Present:

ABB Inc., Obiorah Ike
Acuity Brands, Inc., Mohammad Bani Hani
AirFuel Alliance, Sanjay Gupta
Alarm.com, Inc., Roy Perry
ArcoLogix LLC, Leila Breene
Bedrock Learning, Inc., Helen Heneveld
CABA, Andrew Glennie
CABA, Conrad McCallum
CABA, Greg Walker
CABA, Lisa McBride
CABA, Ron Zimmer
CEDIA, Walt Zerbe
Ei Electronics US, Inc., Barry Donahoe
Electric Power Research Institute (EPRI), Chuck Thomas
George Brown College, Hoda Najafi
Honeywell International Inc., Sathish Nanjappa
Horizon Technologies Inc., Ludo Bertsch
Ken Wacks Associates, Ken Wacks
National Electrical Manufacturers Association (NEMA), Suzanne Alfano
National Research Council (NRC), Natalia Cooper
Network & Automation Systems Inc., Jim Stewardson
Panasonic Corporation, Justin Mahley
PointCentral, Jamey King
Sustainable Resources Management Inc., David Katz
Syska Hennessy Group, Inc., Thomas Grimard

TelNet Management Consulting, Inc., Fawzi Behmann
Tessellate Advisory, Thandi Demanet
The Chicago Faucet Company/Geberit Group, Ronn Jefferson
UL LLC, Adam Lilien

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, about the CHC** - Roy Perry (Alarm.com)

CHC Chair Roy Perry (Alarm.com) welcomed everyone and introduced: CHC Vice-Chair Obiorah Ike (ABB Inc.), CHC Vice-Chair Danny Sran (TELUS), CHC White Paper Sub-Committee Chair Ken Wacks (Ken Wacks Associates) and Keynote Speaker Sanjay Gupta (AirFuel Alliance). Roy Perry (Alarm.com) also outlined the role of the CHC.

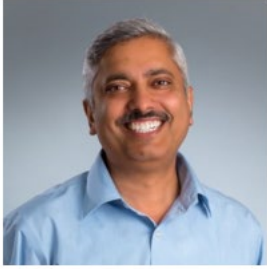
3. **Administrative** - Roy Perry (Alarm.com)

3.1 **Motion to approve Past CHC Minutes**

Roy Perry (Alarm.com) informed everyone that the meeting minutes from the February 12, 2019 CHC meeting were circulated and were posted on the CABA website in the CHC section: [CLICK HERE](#). In addition, the CHC terms of reference, members and recorded presentations are also found [HERE](#).

Motion to approve the February 12, 2019 CHC minutes was moved by Ken Wacks (Ken Wacks Associates) and the motion was seconded by Leila Breene (ArcoLogix LLC). Unopposed motion carried.

4. **Keynote Presentation “RF Power Enables Smart Home IoT Sensors to Go Mainstream” (30 min)** - Sanjay Gupta (AirFuel Alliance)



Sanjay Gupta
President & Chairman of the Board
[AirFuel Alliance](#)



Abstract: Radio Frequency (RF) technology offers power at a distance to eliminate the need to manually swap batteries in IoT sensors around the home. This allows IoT sensors to continue working for years without the need for manual maintenance or drops in service due to dead or dying batteries. [CLICK HERE](#) for more information on the AirFuel Alliance.

Roy Perry (Alarm.com) introduced Sanjay Gupta (AirFuel Alliance) and outlined his experience. Sanjay gave a 30 minute presentation on “RF Power Enables Smart Home IoT Sensors to Go Mainstream”. [CLICK HERE](#) to access the recorded presentation and PowerPoint slides.

5. Research Update

5.1 “Connected Home Roadmap” 2018 CHC Landmark Research - Greg Walker (CABA)



Eleven (11) CABA members have funded this research project:

SILVER



BRONZE



Greg Walker (CABA) gave a brief overview of the 2018 CHC Landmark Research Project, “Connected Home Roadmap”. This \$150,000 research project is now available for sale at the CABA member price of \$4,900. Only the funders and those who purchase the research will receive the full report. To receive this research please contact Greg Walker (CABA) at walker@caba.org. [CLICK HERE](#) for the full research prospectus and webinar recording explaining the project.

5.2 “Smart Home as a Service” 2019 CHC Landmark Research - Greg Walker (CABA)



Roy Perry (Alarm.com) gave a brief overview of this 2019 CHC Landmark Research Project, “Smart Home as a Service”. CABA and the CHC are still actively seeking funders for this research. Only the funders will receive the full \$150,000 of research. To receive this research and become a funder, please contact Greg Walker (CABA) at walker@caba.org. [CLICK HERE](#) for the full research prospectus and webinar recording explaining the project.

Five (5) CABA members have already joined this research project:



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

An overview was given of the CHC White Paper review process, completed CHC White Papers and papers in progress. CHC White Papers are secondary literature review articles that are approximately 10 to 30 pages in length. These papers are written and distributed free of charge to inform the industry. All completed and approved CHC 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: <http://www.caba.org/chc>. All completed CABA White Papers can be found at: <http://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

CHC White Paper Sub-Committee (WPSC)

Ken Wacks Associates, Ken Wacks (Chair)
Consultant, Brittany Hack
Frost & Sullivan, Konkana Khaund
Harbor Research, Inc., Alex Glaser
Ken Wacks Associates, Ken Wacks
LumenCache, Inc., Derek Cowburn
National Research Council Canada (NRC), Heather Knudsen

6.1 Recently Completed

None at this time

6.2 In Progress

“IoT cyber Security Guidelines, Standards and Verification Systems”

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

Working Group

BC Hydro, Tim Mosley (Chair)

AgeLight LLC

ARC Advisory Group

ArcoLogix LLC

BC Hydro

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

“Power over Ethernet (PoE) & Digital Electricity (DE) in Commercial and Multiple Dwelling Residential Buildings”

Ken Wacks (Ken Wacks Associates) gave an overview of this paper.
Somfy Systems, Inc. (Chair)
Contemporary Controls Systems, Inc.
LumenCache, Inc.
National Electrical Manufacturers Association (NEMA)
National Research Council Canada (NRC)
Public Services and Procurement Canada
Renesas Electronics America Inc.
Southwire Company, LLC
UL LLC

“The Ethics of AI and the IoT Connected Home”

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

George Brown College
Hydro One Networks Inc.
Sustainable Resources Management Inc.

“Human Centric Lighting: Non-Energy Benefits of Lighting and its Smart Controls”

Ken Wacks (Ken Wacks Associates) gave an overview of this paper.
Human Centric Lighting Society (Chair)
ArcoLogix LLC
UL LLC

7. New Business – Andrew Glennie (CABA), Roy Perry (Alarm.com)

7.1 New CABA Member Benefit: CABA White Paper Program - 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 these under development.

7.1 “Lighting & Homes for Tomorrow” Competition – Greg Walker (CABA)

Greg Walker (CABA) gave an update of this important competition in the lighting space and informed the Council that it is expanding to include more than just lighting, but all connected home technologies. The Lighting for Tomorrow competition provides manufacturers the opportunity to push the industry forward by introducing high quality and innovative designs, contribute to the greater energy efficiency movement, and gain exposure for their brands and products among industry leaders and consumers alike. In particular, the

exceptional products identified by the judging panel are heavily promoted by Lighting for Tomorrow for a full calendar year. The competition is typically launched at the International Lighting Market in Dallas. The 2015-2017 competitions sought LED and OLED fixtures, LED replacement lamps, LED retrofit kits, and lighting control devices. Lighting for Tomorrow is organized by the American Lighting Association (ALA), the Consortium for Energy Efficiency (CEE) and UL. The annual Lighting for Tomorrow competition was created in 2002 to recognize the best decorative, energy efficient lighting fixtures in the market. Since its inception, Lighting for Tomorrow has encouraged manufacturers to develop well designed, energy efficient lighting products with a specific goal of increasing the availability and market adoption of ENERGY STAR® certified residential lighting products. [CLICK HERE](#) for more information.

7.2 New Business - Roy Perry (Alarm.com)

Roy Perry (Alarm.com) made a call for new business such as: future CHC Guest/Keynote presentation topics and speakers, new CHC White Papers, new research projects, meeting ideas, etc.

8. Announcements – Ron Zimmer (CABA)

Ron Zimmer (CABA) gave an overview of past and current industry events in the connected home space.

8.1 Past Events:

- [Internet of Things World, May 13-16, Santa Clara, CA](#)
- [CONNECTIONS, May 21-23, San Francisco, CA](#)

8.2 Upcoming Events:

- [CEDIA Expo, Sept 10-14, Denver, CO](#)

9. Adjournment (1:30 PM ET) - Roy Perry (Alarm.com)

[Next CHC Meeting, August 2019](#)

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All those who attend received the complimentary copy of the CABA “Connected Home IoT Energy Roadmap” Research Executive Summary.

CABA CHC meetings are open to CABA members and invited guests, and everyone is encouraged to participate. More info on the CHC, past minutes, participants and terms of reference can be found at: <http://www.caba.org/chc>.

Any CABA member that attended as a guest will be added to the CHC, unless notifying the CABA office by June 28, 2019.

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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