



CABA

Connected Home Council

**CABA Connected Home Council (CHC)
Meeting Minutes**

Thursday, January 26, 2017, 12 NOON – 1:30 PM (ET) via Webinar

CHC Chair, Yann Kulp (Schneider Electric)
CHC Vice-Chair, Roy Perry (Alarm.com)
CHC Vice-Chair, Obiorah Ike (ABB Inc.)

Present:

Alarm.com, Inc., Roy Perry
Argus Insights, Inc., John Feland
BC Hydro, Tim Mosley
Bedrock Learning, Inc., Helen Heneveld
BRPG, LLC, John Norin
CABA, Rawlson King
CABA, Ron Zimmer
Carrier Corporation, Christine Rasche
Core Brands, Bret Jacob
CSA Group, Ana Restovic
ELECTRO-FEDERATION Canada, Bill Bryans
Frost & Sullivan, Maurice Okawaki
Garal Bravetek, S.A., Jim Hrastovcak
George Brown College, Anthony Forest
Honeywell International Inc., Siva Rajagopalan
Horizon Technologies Inc., Ludo Bertsch
Illuminating Engineering Society (IES), Mark Lien
IHS Markit, Blake Kozak
Intel Corporation, Michael Clay
Intel Corporation /Open Connectivity Foundation, Inc., Dave Brenner
Intel Corporation, Dileep Paruchuri
Intermatic, Inc., Edward Lang
IoT Consulting, LLC, Avi Rosenthal
Ken Wacks Associates, Ken Wacks
MechoSystems, Inc., Dana Strickland Archer
Navigant Research, Paige Leuschner
National Research Council (NRC), Mark Stoochnoff
OFS, a Furukawa Company, Anurag Jain
Schneider Electric, Yann Kulp
Schneider Electric, Prashanthi Sudhakar

Schneider Electric, Pierre Colle
Schneider Electric, Andrew Parker
Schneider Electric, Christopher Keefe
Schneider Electric, Abhishek Kasturia
Schneider Electric, Raul Valle
Southwire Company, LLC, Juan Galindo
Sustainable Resources Management Inc., David Katz
TELUS, Zouheir Mansourati
United Technologies Corporation (UTC), Mary Lombardo
W.B. Cross Co. Limited, David Cross
ZigBee Alliance, Heather Chesterman
ZigBee Alliance, Tobin Richardson
Z-Wave Alliance, Mitchell Klein

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** - Yann Kulp (Schneider Electric)

CHC Chairman, Yann Kulp (Schneider Electric) welcomed everyone and introduced: CHC Vice-Chair Roy Perry (Alarm.com), CHC Vice-Chair Obiorah Ike (ABB Inc.), CHC White Paper Sub-Committee Chair, Derek Cowburn (Lumen Cache, Inc.) and Guest Speaker Ken Wacks (Ken Wacks Associates). Yann also outlined the role of the CHC.

3. **Administrative** - Yann Kulp (Schneider Electric)

3.1 Motion to approve Past CHC Minutes

Yann Kulp (Schneider Electric) informed everyone that the meeting minutes from the October, 2016 CHC meeting were circulated and were posted on the CABA website in the CHC section: <http://www.caba.org/chc>.

Motion to approve the October, 2016 CHC minutes was moved by David Katz (Sustainable Resources Management Inc.) and the motion was seconded by Zouheir Mansourati (TELUS). Unopposed motion passed.

4. **Research Update** - Greg Walker (CABA)

4.1 “Connected Multi-Dwelling Units (MDUs) and IoT” Update - Greg Walker (CABA)

Greg Walker (CABA) gave a brief overview of this \$150,000 US CABA 2016 Landmark Research Project. CABA and the CHC are actively seeking funders for this research. To receive this research and become a funder, please contact the CABA Research Director, Greg Walker at walker@caba.org. The full prospectus and a recorded webinar explaining the project can be found at: <http://www.caba.org/CABA/Research/MDU-IOT.aspx>.

Eighteen (18) CABA members are currently funding this research:



Only the funders will receive the full research.

4.2 Next CHC Landmark Research Project - Greg Walker (CABA)

Greg Walker (CABA) gave a brief overview of the new 2017 CHC Landmark Research Project, “Energy Roadmap for the Connected Home”. CABA and the CHC have just started to actively seek funders for this research. To receive this research and become a funder, please contact the CABA Research Director, Greg Walker at walker@caba.org. The full prospectus for the project can be found at: <http://www.caba.org/documents/forms/Prospectus-Energy-Roadmap-Connected-Home.pdf>

One (1) CABA member is currently funding this research:



Only the funders will receive the full research.

5. “CES International 2017 Overview: Connected Home Discussion” (30 min) - Ken Wacks (Ken Wacks Associates)



Dr. Kenneth Wacks
Ken Wacks and Associates

Ken Wacks (Ken Wacks Associates) gave a 30 minute presentation with videos on CES 2017 (Jan 5 - 8, Las Vegas, NV) and what was new for Connected Homes. Following this presentation there was an open discussion with the CHC.

For more information CES International 2017, please see this link:
<https://www.ces.tech>

6. White Paper Sub-Committee Update - Greg Walker (CABA)

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 10-30 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 CHC White Paper Sub-Committee (WPSC), they must contain significant technical material of relevance to CHC 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 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/White-Papers>.

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 “Academic Training for the Connected Home and Intelligent Buildings Industries” Update

Working Group

Texas A&M University - Morad Atif (Author)
Algonquin College - Blerim Qela
Automation Federation - Dean Ford
Bedrock Learning, Inc. - Helen Heneveld
British Columbia Institute of Technology - Andrea Linsky
CEES-Advisors - Carlos Santamaria
College of DuPage - Bob Clark
ESPA (The Electronic Systems Professional Alliance) - Jeff Gardner
ETA International - Teresa Maher
ETA International - Bryan Allen
George Brown College - Leo Salemi
Heartland Community College - Chris Miller
Irvine Valley College - Len Pettis
Lambton College - Mehdi Sheikhzadeh
Laney College - BEST Center - Larry Chang
LonMark International - Ron Bernstein
QUEST - Richard Laszlo
Rio Hondo Community College District - Bruce Noble
Robert H. Lane and Associates Inc. - Robert Lane
Seneca College - William Humber
Siemens Industry, Inc. - Steve Hoiberg
Sustainable Resources Management - David Katz
Wharton County Junior College - JB Groves III

Greg Walker (CABA) gave an overview of this paper.

6.2 “Fiber in the Home” Proposed

Working Group

OFS, a Furukawa Company, Anurag Jain (Author)

Greg Walker (CABA) gave an overview of this proposal.

6.3 Call for new CHC White Paper topics and volunteers

All previously completed CHC White Papers can be downloaded at:
www.caba.org/chc.

7. New Business – Ron Zimmer (CABA)

7.1 CABA 25 Industry Benefits and CABA Video

Ron Zimmer (CABA) talked about some of the new CABA Member Industry Benefits. He also talked about the new CABA video that is posted on the CABA website, www.caba.org.

7.2 Other new CHC business

Zouheir Mansourati (TELUS) asked what needs to be done by the industry to achieve and promote interoperability.

Yann Kulp (Schneider Electric) commented on the importance of serviceability and not just interoperability. He noted the great work that Alarm.com has been doing on serviceability as well as remote diagnostics.

Ken Wacks (Ken Wacks Associates) mentioned that IP is not the preferred protocol within home and much more tailored protocols are important. People always ask him “what is the best protocol”, the answer is to focus on your products first and worry about the protocols second, Ken stated. Zouheir Mansourati (TELUS) asked if there would need to be a separate room to act as a gateway. Ken mentioned about ISO Standards and the work they are doing with home gateways, see the following link for more information: <http://iso.kenwacks.com>.

David Katz (Sustainable Resources Management Inc.) noted that we need to look at what people want in the connected home and not just what is hi-tech. Keeping seniors in their home is very important and more work needs to be done in this area; we need to look at qualitative benefits and not just quantitative benefits. Zouheir Mansourati (TELUS) agreed and mentioned that TELUS is very active in this health domain.

8. Announcements - Yann Kulp (Schneider Electric), Ron Zimmer (CABA)

8.1 Past Events:

- a. [NAHB 2017 International Builders' Show \(IBS\), Jan 10-12, Orlando, FL](#)
- b. [The Kitchen & Bath Industry Show \(KBIS\) KBIS, Jan 10-12, Orlando, FL](#)
- c. [CES International 2017, Jan 5 – 8, Las Vegas, NV](#)

8.2 Upcoming Event:

- a) [CABA Intelligent Buildings & Digital Home Forum, April 26 - 28, 2017, Santa Clara, CA](#)

Ron Zimmer (CABA) mentioned that the next CABA Intelligent Buildings & Digital Home Forum will be hosted at the Intel head office on April 26 – 28, 2017. There will be keynote speakers from Google’s CTO of Corporate Networking and Intel’s VP of Corporate Services, among others. Early bird rates are still available for both members and non-members. There will be a CHC Town Hall and start-up pitch fest at the Forum.

b) [Next CHC Meeting, April 27, Santa Clara, CA](#)

This will be an in-person only meeting in a Town Hall format.

9. Adjournment (1:30 PM ET) - Yann Kulp (Schneider Electric)

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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 Feb 28, 2017.

Regards,

Greg Walker
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