



CABA

Connected Home Council

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

Tuesday, October 25, 2016, 12 NOON – 1:30 PM (ET) via Webinar

CHC Chair, Yann Kulp (Schneider Electric)
CHC Vice-Chair, Larry Ehlinger (Pella Corporation)
CHC Vice-Chair, Obiorah Ike (ABB Inc.)

Present:

ABB Inc., Obiorah Ike
Autonomous Vehicle Alliance, Tim Woods
BC Hydro, Tim Mosley
BeHome247, Michael Walther
Independent Consultant, Thomas Irpan
CABA, Andrew Glennie
CABA, Greg Walker
CABA, Ron Zimmer
CABA, Sashien Godakandae
Channel Impact, Kristine Stewart
DynaQuip Controls Corporation, Dena Aholt
ELECTRO-FEDERATION Canada, Bill Bryans
Garal Bravetek, S.A., Jim Hrastovcak
Honeywell International Inc., Khalid Nazim
Honeywell International Inc., Ionela Croitoru
Honeywell International Inc., Antony Wangsanata
Honeywell International Inc., Will McCarthy
Honeywell International Inc., Ionela Croitoru
Honeywell International Inc., Will McCarthy
Honeywell International Inc., James McAward
Horizon Technologies Inc., Ludo Bertsch
Hydro One Networks Inc., Ian Campbell
IEEE Standards Association, Mary Lynne Nielsen
Intermatic, Inc., Barb Farrah
Intermatic, Inc., Edward Lang
James Brehm & Associates, Keith Tamboer
Kidde Safety, Christian Weber
L&T Technology Services Limited, Gowthaman Rajusujatha

LumenCache, Inc., Derek Cowburn
Panasonic Corporation, Russell Pope
Panasonic Corporation, Scott Kraus
Pella Corporation, Larry Ehlinger
Philips, Laura Amado
PlumChoice, Inc., Channing Lai
Qualcomm Incorporated, Michael Stauffer
RF Connect, Jeff Clark
Robert Bosch LLC, Paddy La Torre
Schneider Electric, Yann Kulp
Sustainable Resources Management Inc., David Katz
W.B. Cross Co. Limited, David Cross
Wind River, Tim Skutt
WorkTechWork.com, Josh Bradshaw
Z-Axis Consultants, Krishna Moorthy

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 Larry Ehlinger (Pella Corporation), CHC White Paper Sub-Committee Chair, Derek Cowburn (Lumen Cache, Inc.), Tim Woods (Autonomous Vehicle Alliance) and Josh Bradshaw (WorkTechWork.com). Yann also outlined the role of the CHC.

3. Administrative - Yann Kulp (Schneider Electric)

3.1 Announcement of Obiorah Ike (ABB, Inc.) as a new CHC Vice-Chair

Yann Kulp (Schneider Electric) announced that Obiorah Ike (ABB Inc.) had volunteered and was appointed by the CABA Board as a new CHC Vice-Chair. Obiorah Ike (ABB Inc.) introduced himself and said a few words about his experience and why he decided to join the CHC Executive Committee.

3.2 Motion to approve Past CHC Minutes

Yann Kulp (Schneider Electric) informed everyone that the meeting minutes from the July, 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 July, 2016 CHC minutes was moved by Derek Cowburn (Lumen Cache, Inc.) and the motion was seconded by David Katz (Sustainable Resources Management Inc.). Unopposed motion passed.

4. Research Update - Larry Ehlinger (Pella Corporation)

4.1 “Connected Multi-Dwelling Units (MDUs) and IoT” Update - Larry Ehlinger (Pella Corporation)

Larry Ehlinger (Pella Corporation) 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>.

Sixteen (16) CABA members are currently funding this research:



Only the funders will receive the full research.

4.2 Next CHC Landmark Research Project - Larry Ehlinger (Pella Corporation)

Larry Ehlinger (Pella Corporation) presented three (3) potential topics for the next CHC Landmark research project. These topics were selected using input from past CHC meetings, the CABA membership and the CHC executive. The three (3) topics selected are outlined below:

a) “Energy Roadmap for the Connected Home”:

This research would address the challenges and opportunities surrounding the need for more energy efficient homes. Topics that may be covered, include: renewables, battery storage including EVs, role of IoT devices, micro & nano-grids, efficient technologies and solutions, the role of utilities & energy pricing, integration, energy policy, funding and incentives, energy management systems, smart grid and alternative sources of energy, Zero Net Energy, etc.

b) “Use Cases for Connected Home”:

This research would examine the many Connected Home use cases that are driving the adoption in this sector, such as: home comfort, lighting, ageing in place & the senior market, smart appliances and connected car, etc. A broad range of use cases will be analyzed leading to a deeper dive into a sub-set of use cases selected by the project Steering Committee.

c) “Connected Home Roadmap and Immersive Technologies”:

This research will address all the mainstream aspects of the connected home marketplace with particular focus on the “hot topic” area of immersive technologies, such as voice recognition, and the analysis of home automation platforms (HomeKit, Thread & other IoT platforms). It will provide insights into consumer attitudes concerning technologies, value propositions and future market adoption.

Larry mentioned that these topics went to a vote by CABA and CHC members. Larry noted that the vote was still open and encouraged everyone who had not yet received the voting link to contact Greg Walker (CABA) at walker@caba.org. Larry outlined the research timeline: RFP expected mid-November, RFP Selection of Research firm by the end of 2016 and start of the research in Q1, 2017.

Shortly after the meeting the results of the vote came in and “Energy Roadmap for the Connected Home” was selected as the 2017 CHC Landmark Research project. If you would like to know more about receiving this research and becoming a funder please contact Greg Walker (CABA) at walker@caba.org.

5. **“Future of Connected and Autonomous Vehicles”** Presentation from the Autonomous Vehicle Alliance and WorkTechWork.com (30 minute) - Josh Bradshaw (WorkTechWork.com), Tim Woods (Autonomous Vehicle Alliance), Obiorah Ike (ABB Inc.)



Josh Bradshaw
Business Strategy & Marketing
Consultant
WorkTechWork.com



Tim Woods
General Manager
Autonomous Vehicle Alliance



Obiorah Ike (ABB Inc.) introduced Josh Bradshaw (WorkTechWork.com) and Tim Woods (Autonomous Vehicle Alliance). Josh and Tim gave a 30 minute presentation on connected and autonomous vehicles and how they relate to the connected home.

6. **White Paper Sub-Committee Update** - Derek Cowburn (Lumen Cache, Inc.)

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 "Smart Sleep & Health"

Working Group

Machina Research - Andy Castonguay (Author)

Consultant - Brittany Hack

Independent - Carole Wiedmeyer

Hanley Wood - Craig Webb

IEEE - Fawzi Behmann

Philips- Kars-Michiel Lenssen

Principal of Lighting Wizards - Stan Walerczyk

Founder & Senior Editor, Modern Health Talk - Wayne Caswell

Derek Cowburn (Lumen Cache, Inc.) gave an overview of this paper.

6.2 "Academic Training for the Connected Home and Intelligent Buildings Industries"

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

Derek Cowburn (Lumen Cache, Inc.) gave an overview of this paper.

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 - Yann Kulp (Schneider Electric)

7.1 Call for other new CHC business

Yann Kulp (Schneider Electric) made a call for new business such as: future CHC Keynote presentation topics, new CHC white papers, new research projects and meeting ideas, etc.

David Katz (Sustainable Resources Management Inc.) asked for an update to the Smart Cities White Paper that the Intelligent Buildings Council (IBC) was doing and if it had an element of smart homes in the paper. Greg Walker (CABA) gave a brief update of the status of the paper and informed the CHC that Bill Bryans (ELECTRO-FEDERATION Canada) would be able to provide more information shortly if, and how much, the paper is addressing connected homes. If the paper does address connected homes as well it could be brought forward to the CHC White Paper Sub-Committee.

Tim Woods (Autonomous Vehicle Alliance) suggested that CABA talk to the City of Columbus for the Smart Cities White Paper because they won a Smart Cities award.

David Katz (Sustainable Resources Management Inc.) mentioned that CABA should reach out to the presenters at the Connected+ event in Toronto the other week.

Derek Cowburn (Lumen Cache, Inc.) complimented the current format of the CHC. He also asked if the CHC had interest in the international trends of connected homes. Yann Kulp (Schneider Electric) expressed interest and Derek is going to share his ideas with the CHC executive after the call.

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

8.1 Past Event Overview: [CEDIA 2016, Sept 13 – 17, 2016, Dallas TX](#)

Derek Cowburn (Lumen Cache, Inc.) was at the event and mentioned that it was a very vibrant and upbeat event for this year. CABA staff attended and reported that many CABA members exhibited and attended and the event was very positive for the industry.

8.2 Past Event Overview: [“Intelligent Building & Connected Home Pavilion” at Greenbuild International Conference and Expo, Presented by CABA, Oct 5 - 6, 2016, Los Angeles, CA.](#)

Ron Zimmer (CABA) mentioned the new “Intelligent Building & Connected Home” Pavilion presented by CABA. There were 30 CABA members that exhibited and CABA also held an industry Town Hall. Greenbuild 2017 will be held in Boston Nov 8-9, 2017.

8.3 Upcoming Event: [CES 2017, Jan 5 – 8, Las Vegas, NV](#)

Ron Zimmer (CABA) gave an overview of past CES events and encouraged CHC members to attend. It's one of the largest trade shows in the world and many CABA members attended and exhibited.

Tim Woods (Autonomous Vehicle Alliance) commented on the large auto component of CES and the great keynotes from the auto sector.

8.4 Upcoming Event: [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. The call for speakers is still open. There will be a CHC Town Hall and start-up pitch fest at the Forum. More information can be found at: www.caba.org

8.5 Next CHC Meeting

The next CHC meeting will be held late January 2017.

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 Nov 18, 2016.

Regards,

Greg Walker
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Continental Automated Buildings Association (CABA)
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