CABA Connected Home Council (CHC)
Draft Meeting Minutes
Thursday, February 22, 2018
12 NOON – 1:30 PM (ET) via Webinar

CHC Executive:
CHC Chair, Yann Kulp (Schneider Electric)
CHC Vice-Chair, Jay McLellan (Leviton Manufacturing Co., Inc.)
CHC Vice-Chair, Roy Perry (Alarm.com)
CHC Vice-Chair, Obiorah Ike (ABB Inc.)

Present:
ABB Inc., Obiorah Ike
AgeLight LLC, Craig Spiezle
Alarm.com, Inc., Roy Perry
ArcoLogix LLC, Anne Breene
ArcoLogix LLC, Lawrence Silverman
Associated Engineering, Robert Martinez
August Home Inc, Eric Crawford
BC Hydro, David Rogers
BC Hydro, Tim Mosley
Bedrock Learning, Inc., Helen Heneveld
Belimo Americas, Dennis Johannesen
CABA, Andrew Glennie
CABA, Ron Zimmer
CABA, Sashien Godakandae
CAIL, Lindsay Pick
CMG Consulting LLC, Andres Carvallo
CopperTree Analytics Inc., Oliver Coquillo
Electronic Systems Professional Alliance (ESPA), Jeff Gardner
Garal Bravetek, S.A., Jim Hrastovcak
Honeywell International Inc., David Kaufman
Honeywell International Inc., Kevin Weirich
Honeywell International Inc., Sathish Nanjappa
Hydro One Networks Inc., George Katsuras
Hydro One Networks Inc., Mernaz Malozewski
Hydro-Québec, Michael Fournier
Intelligent Buildings Europe, Nikiforos Panorios
Intermatic Inc., Kimberly Durkot

Intermatic Inc., Mindy Greenlee
James Brehm & Associates, Keith Tamboer
Leviton Manufacturing Co., Inc., Bob Becker
Leviton Manufacturing Co., Inc., Jay McLellan
LumenCache, Inc., Derek Cowburn
Mohawk College, Ivan Sverko
Mohawk College, Rubaid Khan
Northeast Energy Efficient Partnerships (NEEP), Claire Miziolek
Panasonic Corporation, Frank Cirillo
Panasonic Corporation, Justin Mahley
Philips, Richard Haring
Qualcomm Incorporated, Michael Stauffer
Schneider Electric, Yann Kulp
SEPSE Consultants Inc., Marc Lacroix
Southwire Company, LLC, Dave Watson
Southwire Company, LLC, Juan Galindo
Strategy Analytics, Inc., Bill Ablondi
Strategy Analytics, Inc., Jack Narcotta
TELUS, Danny Sran
Ken Wacks Associates, Ken Wacks
Trifecta Research, Linda MacKenzie
W.B.CROSS CO. Limited, David Cross
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 Chair, Yann Kulp (Schneider Electric) welcomed everyone and introduced: CHC Vice-Chair Roy Perry (Alarm.com), CHC Vice-Chair Obiorah Ike (ABB Inc.), CHC Vice-Chair Jay McLellan (Leviton Manufacturing Co., Inc.), CHC White Paper Sub-Committee Chair Derek Cowburn (LumenCache, Inc.) and Keynote Speaker Anne Breene (ArcoLogix LLC). Yann Kulp (Schneider Electric) also outlined the role of the CHC.

3. **Administrative** - Yann Kulp (Schneider Electric)
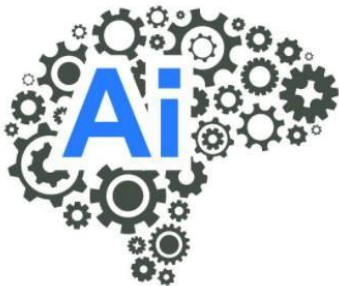
3.1 **Motion to approve Past CHC Minutes**

Yann Kulp (Schneider Electric) informed everyone that the meeting minutes from the October 19, 2017 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 October 19, 2017 CHC minutes was moved by Jay McLellan (Leviton Manufacturing Co., Inc.) and the motion was seconded by Obiorah Ike (ABB, Inc). Unopposed motion carried.

3.2 Introduction of the newly appointed CHC Vice-Chair, Jay McLellan (Leviton Manufacturing Co., Inc.)

Yann Kulp (Schneider Electric) mentioned that Jay McLellan (Leviton Manufacturing Co., Inc.) was appointed by the CABA Board of Directors to become a CHC Vice-Chair. Jay McLellan (Leviton Manufacturing Co., Inc.) introduced himself and talked about his experience in the industry, including being past Chair of the Consumer Technology Association (CTA). He is delighted to be accepted as the new CHC Vice-Chair.

4. Keynote Presentation "Artificial Intelligence and the Connected Home" (30 min) - Anne Breene (ArcoLogix LLC)

Anne Breene
CTO and Co-Founder, ArcoLogix, LLC

Anne Breene (ArcoLogix, LLC) gave a 30 minute presentation on artificial intelligence and the connected home. CLICK HERE to access the recorded presentation and PowerPoint slides.

5. Research Update - Greg Walker (CABA)

5.1 "Connected Home IoT Energy Roadmap" Update - Obiorah Ike (ABB, Inc)

Obiorah Ike (ABB, Inc) gave a brief overview of the 2017 CHC Landmark Research Project, "Connected Home IoT Energy Roadmap". CABA and the CHC are actively seek funders for this research. Only the funders will receive the full $150,000 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.

Fourteen (14) CABA members have joined this research project:

5.2 New 2018 CHC Landmark Research "Voice Recognition and AI in Connected Homes" - Greg Walker (CABA)

The CABA Board of Director met at CES International 2018 on at Jan 9-12 in Las Vegas, NV. During this meeting they discussed the results from the CABA Members Survey on potential 2018 CHC Landmark Research Topics. During this meeting the Board of Directors selected "Voice Recognition and AI in Connected Homes" as the 2018 CHC Landmark Research Project.

Greg Walker (CABA) gave a brief overview of the 2018 CHC Landmark Research Project, "Voice Recognition and AI in Connected Homes". CABA and the CHC are actively seek funders for this research. Only the funders will receive the full $150,000 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.

6. **White Paper Sub-Committee Update** - Derek Cowburn (LumenCache, 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 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/White-Papers. At this link you can also find the recently completed Intelligent Buildings Council (IBC) white paper, "Intelligent Building Advances in the Quick Service Restaurant Industry".

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.

CHC White Paper Sub-Committee (WPSC)
LumenCache Inc., Derek Cowburn (Chair)
behome247,Michael Walther
Consultant, Brittany Hack
Frost and Sullivan, Konkana Khaund
Harbor Research, Alex Glaser
National Research Council, Heather Knudsen
Navigant Research, Lauren Callaway

6.1 Recently Completed

"Distribution Trends on the Home Automation Market"

Derek Cowburn (LumenCache, Inc.) gave an overview of this paper.
Working Group
BC Hydro
CSA Group
Independent Consultan
Intel Corporation
Intermatic Inc.
NEEP
Strategy Analytics
Trifecta Research
zigbee alliance
Z-Wave Alliance

"Academic Training for the Connected Home and Intelligent Buildings Industries"
Derek Cowburn (LumenCache, Inc.) gave an overview of this paper.
Working Group
Algonquin College
Automation Federation
Bedrock Learning, Inc.
British Columbia Institute of Technology
CEES-Advisors
College of DuPage
Complete Learning Solutions
ESPA (The Electronic Systems Professional Alliance)
ETA International
George Brown College
Heartland Community College
Irvine Valley College
Lambton College
Laney College - BEST Center
LonMark International
QUEST
Rio Hondo Community College District
Robert H. Lane and Associates Inc.
Seneca College
Siemens Industry, Inc.
Sustainable Resources Management
Texas A&M University
Wharton County Junior College

6.2 In Progress

"Enabling Homes with Optical Fiber Solutions"
Derek Cowburn (LumenCache, Inc.) gave an overview of this paper.
Working Group

Frost & Sullivan
OFS, a Furukawa Company

"The future delivery/business models for Smart Home services and infrastructure"
Derek Cowburn (LumenCache, Inc.) gave an overview of this paper.
<u>Working Group</u>
Asian Institute of Intelligent Buildings
BC Hydro
Bedrock Learning, Inc.
Behome247
CaSA
Chamberlain Group, Inc.
Frost & Sullivan
Independent Consultant
Intermatic Inc.
NEEP
Paremus
Schneider Electric
Sustainable Resources Management Inc.
Sykes Assistance Services Corporation
Z-Wave Alliance

"Artificial Intelligence and the IoT Connected Home"
Derek Cowburn (LumenCache, Inc.) gave an overview of this paper.
<u>Working Group</u>
ArcoLogix LLC
Argus Insights, Inc.
BC Hydro
Frost and Sullivan
Ken Wacks Associates
LumenCache Inc.
Sustainable Resources Management

"Connected Home Use Case Audit"
Derek Cowburn (LumenCache, Inc.) gave an overview of this paper.
<u>Working Group</u>
Argus Insights, Inc.
Core Brands
Online Trust Alliance (OTA)
Panasonic Corporation
Schneider Electric
TELUS
Trifecta Research
Z-Wave Alliance

7. **New Business** – Craig Spiezle (AgeLight LLC), Andrew Glennie (CABA), Yann Kulp (Schneider Electric)

7.1 A conceptual scoring model for developers

Craig Spiezle (Agelight Advisory Group) talked about a new scoring model for developers. He made a call for CHC member volunteers to join a working group to help develop this tool.

7.2 New CABA Member Benefit: Dealers, Distributors and Integrators access to CABA Member Research Library

Andrew Glennie (CABA) gave an overview of a new CABA member benefit that allows dealers, distributors and integrators access to CABA Member Research Library. CLICK HERE for the full list of CABA Member Benefits.

7.3 Other new CHC business

Yann Kulp (Schneider Electric) 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.

8. **Announcements** - Ron Zimmer (CABA)

8.1 Past Events:
- CES International 2018
  Jan 9-12, Las Vegas, NV
- The NAHB International Builders' Show (IBS)
  Jan 9 - 11, Orlando, FL
- The Kitchen & Bath Industry Show (KBIS)
  Jan 9-11, Orlando, FL

8.2 Upcoming Events:
- ISC West
  April 10-13, Las Vegas, NV
- CONNECTIONS 2018
  May 22-24, San Francisco, CA
- CEDIA Expo
  Sept 4-8, San Diego, CA
- Next CHC Meeting
  April 2018

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

9. <u>Adjournment</u> (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 March 16, 2018.

Regards,

Greg Walker
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Continental Automated Buildings Association (CABA)
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Phone: 613.686.1814 x227
Website: http://www.caba.org

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