

## **CPEIA, CABA to release landmark white papers at CPES2016**

*Intelligent Buildings, Connected Homes on the agenda at Canada's Printable, Flexible, Wearable Electronics Symposium*

OTTAWA—April 11, 2016—The Canadian Printable Electronics Industry Association and the Continental Automated Buildings Association, will release two research papers for Intelligent Buildings and Connected Homes at the 2016 Canadian Printable Electronics Symposium (CPES2016).

The CPEIA is the catalyst for Canada's printable, flexible and wearable (PE) electronics ecosystem, while CABA is an international industry association that promotes advanced technologies in homes and buildings.

Under the terms of the strategic partnership established in January 2015, the CPEIA and CABA formed joint working groups drawn from their respective memberships to develop white papers that explore how PE technologies and applications can enable the Intelligent Building and the Connected Home.

These two papers will be released as part of CPES2016, taking place at Sheridan College near Toronto.

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“As a special perk to delegates attending CPES2016, we are offering an exclusive first look at these two papers during the Symposium,” said Peter Kallai, President and CEO of the CPEIA and CPES Co-Chair. “This will be the first time that any industry white paper has been published that explores a variety of applications for PE in the context of intelligent buildings or connected homes. We are presenting these two in-depth studies to show over 25 applications that can be easily commercialized by the building automation sector, well beyond the PE-based user interfaces already in the market.”

“Printable electronics encompasses key enabling technologies that can overcome many of the challenges faced with adding intelligence to commercial and residential properties,” said Ron Zimmer, CABA President & CEO. “These include cost, power consumption, ease of installation and integration with existing home and building systems. Our expectation is that these papers will serve to spur greater collaboration and innovation between members of the CPEIA and CABA.”

Greg Walker, CABA’s Research Director, is drawing from the two papers for his presentation the afternoon of Day 2 at CPES2016.

To view advance copies of these papers, please visit the CPEIA table at CPES2016.

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## **Printable and Flexible Electronics Enabled Intelligent Buildings: New Functions, Improved Performance and Optimized Control**

The modern commercial building is morphing into an intelligent building at a rapid pace. Technologies large and small are bringing sensors, analytics and controls that will improve efficiency, services, and occupant comfort and safety. In this paper, we examine the roles PE can play to evolve the function and operation of commercial buildings. We focus on the major components of building automation systems: Lighting; Heating, Ventilation Heating and Air Conditioning (HVAC); Fire; and Safety and show how low-cost and high-volume PE components and simple systems can change how a building operates.

## **Printable and Flexible Electronics Applications in the Connected Home**

For years, the concept of the connected home has been forwarded on the premise of providing the typical homeowner with greater comfort and convenience. This isn't an inaccuracy, but the greatest appeal of the connected home, and driver for the market adoption of related technologies, is the cost savings that can be realized. In this paper, we explore how PE can substantially reduce the cost and complexity of adding the functions and the intelligence necessary to create a truly connected home, as well as yield the operational cost savings that have a direct impact on a family's bank account. The applications that provide such cost savings are likely to be adopted first versus "nice to have" applications.

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### **About CPES2016**

Over two information-packed days, 200 attendees have the opportunity to learn, network and develop partnerships for collaboration and business development. CPES2016 runs April 19-20 at Sheridan College in Toronto. The agenda includes 30 in-depth presentations by industry experts and leading academics. Attendees can also review 10 academic posters from leading principal investigators and their teams, as well as a dozen tabletop exhibits.

### **About CPEIA**

Established in 2014, the Canadian Printable Electronics Industry Association (CPEIA) brings together key Canadian and international players in industry, academia and government to build a strong Canadian printable, flexible and wearable electronics sector and ecosystem. The Association is the united voice for the sector and implements critical development strategies to facilitate growth through networking, stimulate R&D and investment, build a strong supply chain and drive the broad adoption of PE by end customers in a range of Canadian industries, including Intelligent Packaging, Intelligent Buildings, Aerospace and Defence, Automotive and Industrial Applications, Health and Wellness, Intelligent Documents, and Consumer Electronics and Wearables.

### **About CABA**

The Continental Automated Buildings Association (CABA) is an international not-for-profit industry association dedicated to the advancement of intelligent home and intelligent building

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technologies. The organization is supported by an international membership of over 300 organizations involved in the design, manufacture, installation and retailing of products relating to home automation and building automation. Public organizations, including utilities and government are also members. CABA's mandate includes providing its members with networking and market research opportunities. CABA also encourages the development of industry standards and protocols, and leads cross-industry initiatives. More information is available at [www.caba.org](http://www.caba.org).

**Media Contact:**

Rawlson O'Neil King  
Communications Director  
Continental Automated Buildings Association (CABA)  
[king@caba.org](mailto:king@caba.org)  
613.686.1814 x225  
888.798.CABA (2222)

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