

CANADIAN 
**PRINTABLE
ELECTRONICS**
SYMPOSIUM 2015 

Canada's premier organic & printable
electronics industry event

**SYMPOSIUM
PROGRAM 2015**

April 21-22, 2015
Montréal

Presented by
**CANADIAN
PRINTABLE
ELECTRONICS**
INDUSTRY ASSOCIATION 

70+ public and private sector organizations in Canada are already engaged with printable electronics, to bring new products and applications to market.

The Canadian Printable Electronics Industry Association (CPEIA) is your point of entry into this exciting new technology area.

Learn more at www.cpeia-acei.ca

**Sharpen your competitive edge.
Accelerate time to market.
Cut costs.**



Why attend:

CPES2015 is the single largest event of its kind in Canada devoted to the emerging fields of organic and printable electronics.

There is no better place to learn about the convergence of research and development, industry expertise, commercial effort and government support that gives Canada a tremendous opportunity in this explosive global market.

Come to learn, network and develop partnerships for collaboration and business development.

Want to be a part of Canada's next high-growth technology sector? Your journey begins at CPES2015.

Overview of the Program:

- 130 Canadian and international delegates from industry, academia and government (Register early as seating is limited)
- 5 Keynote presentations by international industry leaders
- 30 in-depth presentations by industry experts and leading Canadian researchers
- Panel session on Financing
- 10 Academic Posters from leading Canadian principal investigators and their teams
- Attend 5 networking events with 130 participants
- Targeted company meetings arranged by CPEIA for up to 10 firms

Organizing Committee:

Peter Kallai, Executive Director, Canadian Printable Electronics Industry Association - Chair

Thomas Ducellier, Executive Director, Printed Electronics Flagship Program, National Research Council of Canada – Co-Chair

Andre Dion, Director General, Printability and Graphics Communications Institute (ICI) - Co-Chair

Brent Jodoin, Business Development Manager, CMC Microsystems

Mario Leclerc, Professor, Laval University

8:00 – 9:00	Continental Breakfast	
8:30 – 9:00	Registrations	
9:00 – 9:10	Welcome & Opening Remarks	Peter Kallai , Executive Director, Canadian Printable Electronics Industry Association
9:10 – 9:40	KEYNOTE “The Business of Breakthroughs”	Stephen Hoover , CEO, PARC, Xerox, USA
9:40 – 10:10	KEYNOTE “The Internet of Everything”	Jennifer Ernst , Chief Strategy Officer, Thin Film, Sweden
10:10 – 10:40	Networking Coffee Break	
10:40 – 11:10	KEYNOTE “Mapping Out the Future - OE-A Roadmap for Organic and Printed Electronics”	Barbara M. Fisher , Regional Manager, North America, OE-A, International
11:10 – 11:30	“Where are we on OE/PE in Canada?”	Peter Kallai , Executive Director, CPEIA-ACEI
11:30 – 11:50	“Existing Applications & Future Directions of the PE Industry,” “Industry R&D in Canada: Market Alignment”	Thomas Ducellier , Executive Director, Printable Electronics Flagship Program, National Research Council of Canada, Canada
11:50 – 12:10	“University PE Network: Existing Capabilities and Future Directions for University-based R&D”	Mario Leclerc , Professor, Laval University, Canada
12:10 – 13:00	Luncheon & Networking	
13:00 – 13:20	“Overview of Applications and Markets in Healthcare & Wellness”	Harry Zervos , Principal Analyst, IDTechEX, EU
13:20 – 13:40	“Best Fit? Applications and Manufacturing Systems for PE”	John Lapp , Director Strategic Accounts, FUJIFILM Dimatix, Inc., USA
13:40 – 14:20	Panel: “Financing OE/PE Based Ventures: Challenges & Opportunities”	Angel Financing Venture Capital – George Rubin, Pacific Surf Partners, Canada Government Programs – Karen Fournier, The Founding Portal, Canada Growth Financing – Business Development Bank of Canada, Canada (INVITED)
14:20 – 15:00	Coffee & Networking Break, Posters	
15:00 – 15:15	“An Introduction to Printable Electronics”	Lida Ramezani , Professor, Seneca College
15:15 – 15:30	“Wilkinson Splitters in Printable Electronics Technology”	Adrian Momciu , Research Engineer, Communications Research Centre (INVITED)
15:30 – 15:45	“Variable Conductive Micro-patterns Printed on Flexible Substrates”	George Knopf , Professor, The University of Western Ontario
15:45 – 16:00	“Printed Electronics Requirements and Demands for Aerospace and Defence Projects”	David Russell , Founder and Chairman, Zeno Technologies Inc.
16:00 – 16:15	Break & Poster Presentation for attendees not going to AGM	
16:00	Visit for CPEIA Members to ICI’s PE facilities	Printability and Graphics Communications Institute (ICI)
16:15 – 16:30	Registration for the Annual General Meeting for CPEIA Members	
16:30	Visit for Non-CPEIA-Member attendees to ICI’s PE Facilities	Printability and Graphics Communications Institute (ICI)
16:30 – 17:30	Annual General Meeting for CPEIA Members	
17:30 – 18:30	Cocktail Reception & Networking & Poster Presentations	

8:00 – 9:00	Continental Breakfast	
8:30 – 9:00	Registrations	
9:00 – 9:10	Opening Remarks	André Dion , Director General, Printability and Graphics Communications Institute
9:10 – 9:40	KEYNOTE “Printed Electronics: The Endless Frontier”	Bernard Kippelen , Professor, Georgia Institute of Technology, USA
9:40 – 10:10	KEYNOTE “Scalability of Roll-to-Roll (R2R) Gravure Printed TFT Backplane for Smart Wallpaper”	Gyujin Cho , Department of Printed Electronics Engineering, Suncheon National University, Korea
10:10 – 10:40	Networking Coffee Break	
10:40 – 11:00	“Advances in Photonic Curing, including Simulation and Scale-up, for Displays, Sensors, and Photovoltaics”	Stan Farnsworth , Vice President, NovaCentrix
11:00 – 11:20	“A Viable Route to High-Mobility Printed Transistors Based on Carbon Nanotubes: An Award-winning Technology Co-developed by the NRC and Raymor Industries”	Patrick Malenfant , Group Leader/Project Leader, National Research Council of Canada Jens Kroeger , Director of Technology, Raymor Industries
11:20 – 11:40	“Just print it? Getting Beyond the Technical Challenges to PE Developments”	Dan Gale , Vice-President, CMC Microsystems
11:40 – 12:00	“The Photo-stability of Printable Organic Solar Cells: Between Interfacial & Bulk Photo-Degradation in Organic Semiconductor Materials”	Hany Aziz , Professor, University of Waterloo
12:00 – 13:00	Luncheon & Networking	
13:00 – 13:20	“Interface Engineering in Organic Electronic Devices”	Ian Hill , Professor, Dalhousie University
13:20 – 13:40	“Graphene: Novel Materials for Printed Electronics”	Paul Higgins , Vice-President, NanoXplore Inc.
13:40 – 14:00	“Brand Protection through PE”	Wolf Richter , President, Chief Technology Officer, EPIC Semiconductors
14:00 – 14:20	“Cutting edge e-Paper Applications Using NFC Communications”	Michael Carlisle , Business Development Manager for North America, ArjoWiggins Creative Papers Mark Heise , Applications Engineer, ArjoWiggins Creative Papers
14:20 – 14:40	“Force Sensors”	Robin Jeffries , President and CEO, Tangio Printed Electronics Inc.
14:40 – 15:10	Networking Coffee Break	
15:10 – 15:25	“Electrochemical Printing of Metal Oxides: Equipment and Process for Applications in Printable Electronics and Batteries”	George Rubin , Executive Chairman, Clear Metals Inc.
15:25 – 15:40	“Flexible Logic Gates and Ring Oscillators Based on Inkjet-Printed Polymer Organic Thin-Film Transistors”	Ta-Ya Chu , Research Officer, National Research Council of Canada (INVITED)
15:40 – 15:55	“Aerosol Jet Printing: Enabling the Next Wave in Printing Electronics”	Anubha A. Gupta , Université du Québec à Montréal
15:55 – 16:15	“Fully Gravure-Printed Wireless CV-Tag”	Yonsu Jung , Professor, Suncheon National University, Korea (INVITED)
16:15 – 16:30	“Smart Drug Packaging Incorporating Printed Resistance Based Multiplexing”	Neil Graddage , Research Associate, National Research Council of Canada
16:30 – 16:45	“Printable Soft and Resilient Electronics Drive a Convergence Between Engineering and Biomedical Science via Materials Innovation”	Hyun-Joong Chung , Professor, PEng, University of Alberta
16:30 – 16:40	Closing Remarks	Peter Kallai , Executive Director, CPEIA-ACEI

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