

# ITAC

## 17th National Executive Forum

### Re-Energizing Microelectronics



# ENERGY

October 19-20, 2011

Hotel Lac-Leamy, Gatineau, Québec

The Executive Forum  
is co-hosted by



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## ITAC 17th National Executive Forum on Microelectronics in conjunction with the CMC Microsystems Annual Symposium 2011

This year the ITAC 17th National Executive Forum on Microelectronics - "Re-Energizing Microelectronics" is held in conjunction with the 2011 CMC Microsystems Annual Symposium - "Energy Matters". This annual celebration continues to bring together Canada's academic, industry, and government leaders with top graduate students from science and engineering communities.

Energy – it is all around us. We consume it; we discuss the rising costs of it; we talk about shaking our dependency on oil-based sources. From the cost of filling a tank of gas to the cost of the summer's air conditioning bill, we are constantly reminded of how energy impacts our lives.

In business too, there are energy costs for heating and cooling, for lighting and for computing and in the last joint ITAC/GSA conference in Vancouver, BC, there was discussion that the next big performance challenge is not to design the new functionality to work correctly, but to do so within a smaller power budget!

However, where there are challenges, there are opportunities - and this year's event will look at some of the new business opportunities that this emerging market provides for the microelectronics community in general and the Canadian community in particular.

From low power design; to discovering the energy in atoms; to understanding the energy in the stars; to better understanding the energy on Parliament Hill - this year's program will provide you with exciting new information and business possibilities.


Celebrate and recognize excellence at the combined CMC/ITAC SMCouncil Award Banquet on Wednesday, October 19th and cast your vote for the next recipients as we join with CMC in recognizing Canada's industrial and research talents. Our joint, full day program will follow on Thursday, October 20th where researchers, educators and pioneers in the field of Microelectronics/Microsystems will share their insights.

## Wednesday, October 19, 2011

- 5:30PM **Registration and Welcome Reception** (*Foyer A*)
- 6:45PM **Awards Banquet** (*Beethoven Room*)
- 7:00PM **Welcoming Remarks**
- 8:00PM **Presentation of Awards**  
Presented by Ian McWalter, President and CEO, CMC Microsystems  
Douglas R. Colton Medal for Research Excellence
- ITAC Outstanding Service Awards  
Presented by Mark MacGrath, Director, Product Development,  
Sigma Designs Technology Canada



## Thursday, October 20, 2011

- 7:30AM **Registration and Buffet Breakfast**, (*Beethoven/Chopin Room*)
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- 8:30AM **Joint Welcome and Opening Remarks** (*Beethoven Room*)  
**Dr. Ian McWalter**, President and CEO, CMC Microsystems  
**Dr. Ken Wagner**, Strategic Microelectronics of ITAC Chair  
Principal Engineer, IC Technology Group, PMC-Sierra
- 8:45AM **Opening Keynote** (*Beethoven Room*)  
“CleanTech, GreenTech...MicroTech”  
**Jeffrey Perkins**, General Manager, Business Development: Yole Développement

## Thursday, October 20, 2011

- 9:30AM **“The Sustainability Imperative – Is the Green Revolution a Net Gain for Canada’s Microelectronics Industry”** (*Delfosse Room*)
- Moderator:** **Jay Illingworth**, Director, Harmonization ACES, ESABC & SWEEP
- Panel:** **Warren Abar**, President, iSolara  
**Dave Danovitch**, STSM, Bromont Packaging Assembly, IBM Bromont  
**Walter Jager**, President, Chair, Canadian Committee for International Standards on Environmental Compliance of Electronic Equipment  
**Chantale Mantha**, Environmental & Corporate Social Responsibility Specialist, Toshiba Canada

- 10:30AM **Networking Break**, (*Foyer A*)

**SYNOPSIS®**

- 11:00AM **“Saving Energy is the New Performance Goal!”** (*Delfosse Room*)  
**Kaushik Roy**, Roscoe H George Professor of Electrical and Computer Engineering, Purdue University

- 12:00PM **Lunch** (*Beethoven/Chopin Room*)



**TEXPO/Vendor Exhibition** (*Mozart/Foyer A*)

- 1:00PM **“Are Smart Meters Good for Us?”** (*Delfosse Room*)  
**Ron Dembo**, Founder and CEO, Zerofootprint

- 1:45PM **TEXPO Award Presentations** (*Beethoven Room*)

## Thursday, October 20, 2011

2:00PM **Afternoon Keynote**  
**"Round and Round and It Comes Out Here..."** (*Beethoven Room*)  
**Royal Hinther**, Director of Business Development, Canadian Light Source Inc.

2:45PM **Networking Break** (*Foyer A*)

### SYNOPSIS®

3:15PM **"Public Policy's Impact on Re-Energizing Microelectronics"**  
 (*Delfosse Room*)

**Moderator: Lynda Leonard**, Senior Vice President, ITAC

**Panel: Ritch Dusome**, Director of Product Marketing, CISCO

**Jeff Laks**, SR&ED, Tax Credit Consulting

**Kuldip Sahdra**, Director ASIC Engineering,  
ViXS Systems

**Tibor Turi**, Manager, NSERC Ontario Regional Office

4:15PM **Closing Keynote**  
**"The Square Kilometre Array: A Global Technology Challenge"**  
 (*Beethoven Room*)

**Russ Taylor**, Professor of Astrophysics, University of Calgary  
 Chair, Canadian SKA Consortium Board

5:00PM **Closing Remarks and Adjournment** (*Beethoven Room*)  
 Dr. Ian McWalter, President and CEO, CMC Microsystems  
 Mr. Karna Gupta, President and CEO, ITAC

5:10PM **Networking Reception** (*Foyer A*)



## Special thanks to the Organizing Committee:

- Sid Allman, CISCO
- Alex Edwards, Gennum
- Adam Chowaniec, BelAir Networks
- Iain Scott, ITAC
- Vijay Dube, Elliptic Semiconductor
- Ken Wagner, PMC-Sierra

## and to the Outstanding Service Award Selection Committee:

- Sally Daub, ViXS Systems
- Brian Doody, Teledyne DALSA Corporation
- Gord Harling, développement des affaires TIC et micro-nanotechnologies, Sherbrooke Innopole
- Graham Jullien, recipient of 2009 Outstanding Service Award

*For more information on the ITAC Executive Forums,  
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