

July 2008

IEEE OTTAWA NEWSLETTER - July 2008

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None to report

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A. IEEE Ottawa Section Events

1. TITLE: LEOS Symposium on Recent Advancements in Photonics
SPEAKER: Feature Speaker: LEOS Distinguished Lecturer, Prof El-Hang Lee
of National Center for VLSI Photonics, INHA University, South Korea
DATE: Thursday July 3, 2008
TIME: registration/refreshment (13:00 - 13:30); seminar (13:30 - 16:30)
LOCATION: M-50 Auditorium, NRC Campus, Montreal Road, Ottawa
PARKING: Free
ADMISSION: Free
REGISTRATION: Must Register in Advance by providing the following to
Dr Kexing Liu: kexing.liu@ieee.org by 5:00pm, July 2, 2008
First Name:
Last Name:
Title:
Organization Name:
Phone Number:
Email-address:
IEEE Membership #, if applicable:
ORGANIZED BY: IEEE LEOS Ottawa Chapter
<http://ottawa.ieee.ca/leos/>
CONTACT: LEOS Ottawa Chapter Chair Dr Kexing Liu
kexing.liu@ieee.org
ABSTRACT: For a list of the talk abstracts, Please visit LEOS Ottawa Chapter
web site for details

2. TITLE: LEOS Symposium on Recent Advancements in Photonics
SPEAKER: LEOS Distinguished Lecturer, Dr Weng Chow Sandia
National Laboratory,

USA

DATE: Thursday July 10, 2008

TIME: registration/refreshment (8:30 - 9:00); seminar (9:00 - 11:30)

LOCATION: M-50 Auditorium, NRC Campus, Montreal Road, Ottawa

PARKING: Free

ADMISSION: Free

REGISTRATION: Must Register in Advance by providing the following to

Dr Kexing Liu: kexing.liu@ieee.org by 5:00pm, July 8, 2008

First Name:

Last Name:

Title:

Organization Name:

Phone Number:

Email-address:

IEEE Membership #, if applicable:

ORGANIZED BY: IEEE LEOS Ottawa Chapter

<http://ottawa.ieee.ca/leos/>

CONTACT: LEOS Ottawa Chapter Chair Dr Kexing Liu

kexing.liu@ieee.org

ABSTRACT: For a list of the talk abstracts, Please visit LEOS Ottawa Chapter

web site for details

3. The IEEE Reliability Society in conjunction with its Ottawa Chapter, and the Student Branches will be hosting a series of presentations throughout a day this September. Your action is needed:

- * If you wish more detail, or a reminder, as the planning is finalized, OR
- * If you wish to sponsor a presentation or the event, OR
- * If you wish to volunteer.

contact Raed Abdullah @ E-mail: RaedAbdullah@ieee.org

4. TITLE: ROSE 2008 - IEEE International Workshop on Robotics and Sensors

Environments

SPEAKERS: on the website <http://www.site.uottawa.ca/ROSE2008/>

DATE: October 17 - 18, 2008

TIME: on the website <http://www.site.uottawa.ca/ROSE2008/>

LOCATION: SITE, University of Ottawa, Ottawa, Ontario, Canada

PARKING: on the website <http://www.site.uottawa.ca/ROSE2008/>

ADMISSION: on the website <http://www.site.uottawa.ca/ROSE2008/>

REGISTRATION: on the website

<http://www.site.uottawa.ca/ROSE2008/>

ORGANIZED BY: IEEE Canada, Vancouver Section and BC Hydro

TECHNICAL SPONSOR: IEEE Ottawa Section

DETAILS: <http://www.site.uottawa.ca/ROSE2008/>

CONTACTS: Pierre Payeur (ppayeur@site.uottawa.ca),

Chris Dyer (cdyer@conferencecatalysts.com)

ABSTRACT: Not applicable/Not provided

5. TITLE:LEOS Symposium on Recent Advancements in Photonics

SPEAKER: LEOS Distinguished Lecturer, Prof. Silvano Donati, Dip. Elettronica,

Universita Pavia, Italy

DATE:Friday October 24, 2008

TIME:registration/refreshment (8:30 - 9:00); seminar (9:00 - 11:30)

LOCATION: M-50 Auditorium, NRC Campus, Montreal Road, Ottawa

PARKING: Free

ADMISSION: Free

REGISTRATION: Must Register in Advance

ORGANIZED BY: IEEE LEOS Ottawa Chapter

<http://ottawa.ieee.ca/leos/>

CONTACT: LEOS Ottawa Chapter Chair Dr Kexing Liu

kexing.liu@ieee.org

ABSTRACT: For a list of the talk abstracts, Please visit LEOS Ottawa Chapter web site for details

B. IEEE News

1. New IEEE Senior Members in the Ottawa Section

The Following members were upgraded to Senior Member status in May 2008.

- * Al-Azzawi, Abdul member of LEO Society
- * Macisaac, Carolyn member of WiE, ComSoc andd EMBS

Congratulations for elevation to IEEE Senior member grade!

IEEE Senior Member Program Page:

<http://www.ieee.org/web/membership/senior-members/index.html>

2. FPGA Programming competition results, call for volunteers and Workshop announcement

University of Toronto Team won the Innovate Canada FPGA programming competition.

We are proud to announce the winners of the 2008 Innovate Canada FPGA programming competition. This program is sponsored by industry to encourage risk-taking and innovation at the university levels in the area of hardware/software co-design. The design competition provided student groups with leading edge Altera FPGA based development boards, FPGA design tools from Altera and C-to-FPGA tools from Impulse, and engineering support from both companies in their efforts to develop commercially useful and innovative applications.

All of the resulting applications are being made available to the public via the <http://www.innovatecanada.ca> website

1st.-Digital Revolution, U. of Toronto:
FPGA-based object recognition project automating object detection.

2nd.-ISE for LEON, U. of Ottawa:
Generation of a fuzzy logic co-processor as instruction set extension for the LEON processor.

3rd.-CarletonDSP, Carleton U.:
Hardware implementation of a wavelet image compression algorithm.

3rd.- Vidigo, U. of Saskatchewan:
Ethernet transmission of MJPEG stream from standard composite
(yellow
RCA) NTSC video signal input.

Honorable mention: Heart rate monitor, Carleton U.:
Heart rate estimator using phonocardiogram (PCG) signals automating
unattended unobtrusive monitoring.

We take the opportunity to invite you to actively participate in the
organization of our next FPGA Workshop to be held in Ottawa on
October
14-15, 2008. This event focuses on FPGA technology and the
applications
it enables. It marks the beginning of a Canada-wide FPGA programming
competition (January-May 2009) that enables university students to
develop innovative digital systems. Winners are guaranteed publications
and prizes, this year they shared \$5,000 in cash prizes. If interested,
contact the event chair: Alfredo Herrera - alfredo.herrera@ieee.org

3. TITLE: Symposium on Alternate Energy and Global Synergy
SPEAKER: information not available
DATE: Tuesday July 15, 2008
TIME: 8:30 AM - 5:00 PM
LOCATION: ELCE Dept. Ryerson University, Toronto
PARKING: information not available
ADMISSION: information not available
REGISTRATION: information not available
ORGANIZED BY: Ryerson University & IEEE Toronto Sections
CONTACT: S (Sreenivasa) Murthy - Visiting Professor Dept of Electrical
and
Computer Engineering Ryerson University, Toronto Email:
smurthy@ee.ryerson.ca
ABSTRACT: Brainstorm on viable/implementable technologies to be
developed
through R&D efforts on "Alternate Energy" in view of climate change,
global
warming, international commitments and depleting fossil fuels. Identify
technologies for local and global applications. Identify the role of stake

holders: Universities, Industry, Govt./Funding Agencies (National and international) and Utilities/ User Agencies- in this effort. Identify possible teams comprising individuals and organizations for specific projects.

Prepare

a roadmap to implement the above ideas for follow up. Discuss workable

mechanism to carry out R&D efforts for the desired goal develop transferable

technologies leading to demonstration projects in the field. Discuss mechanism

of international cooperation in these efforts to effect 'Global Synergy'

4. TITLE:Electrical Power & Energy Conference (EPC 2008) "Energy Innovation"

SPEAKERS: on the website <http://www.ieee.ca/epc08>

DATE: October 6 - 7, 2008

TIME: on the website <http://www.ieee.ca/epc08>

LOCATION: Vancouver, British Columbia, Canada

PARKING: on the website <http://www.ieee.ca/epc08>

ADMISSION: on the website <http://www.ieee.ca/epc08>

REGISTRATION: on the website <http://www.ieee.ca/epc08>

ORGANIZED BY: IEEE Canada, Vancouver Section and BC Hydro

TECHNICAL SPONSOR: IEEE Ottawa Section

DETAILS: <http://www.ieee.ca/epc08>

CONTACTS: Ebrahim Vaahedi and Moe Kia

ABSTRACT: Not applicable/Not provided

5. TITLE: 2008 IEEE International Carnahan Conference on Security Technology (ICCST), Prague, Czech Rep.

SPEAKERS: <http://www.ieee.org/iccst08>

DATE: October 13 - 16, 2008

TIME: <http://www.ieee.org/iccst08>

LOCATION: Diplomat Hotel Prague, Czech Republic

PARKING: <http://www.ieee.org/iccst08>

ADMISSION: <http://www.ieee.org/iccst08>

REGISTRATION: <http://www.ieee.org/iccst08>

ORGANIZED BY: IEEE Czechoslovakia Section & IEEE Aerospace and

Electronic
Systems Society
TECHNICAL SPONSOR: IEEE Ottawa Section
DETAILS: <http://www.ieee.org/iccst08>
CONTACTS: Milo Klíma and Gordon Thomas
ABSTRACT: Not applicable/Not provided

6. TITLE: The 2nd Climate Change Technology Conference 2009
SPEAKERS: on the web site.
Date: May 12 - May 15
TIME: <http://www.cctc2009.ca>
Location: The CCTC2009 will be held on the campus of McMaster University in Hamilton, Ontario, Canada.
PARKING: <http://www.cctc2009.ca>
ADMISSION: <http://www.cctc2009.ca>
REGISTRATION: <http://www.cctc2009.ca>
ORGANIZED BY: The CCTC2009 is organized by the Engineering Institute of Canada (EIC) in association with nine of its member societies.
DETAILS: <http://ieee.ca/news/2008/jun2008.htm> and <http://www.cctc2009.ca>
CONTACTS:
ABSTRACT: The 2nd Climate Change Technology Conference (CCTC 2009) is a Canadian/ international forum for engineers, scientists, policy advisors, industry and other stakeholders to share and exchange new information and ideas for dealing with climate change and global warming. It also provides an opportunity for participants to keep abreast of emerging techniques and technologies for the mitigation of, and adaptation to, the impacts of climate change.

The conference theme:
Climate Change Deal with It!
emphasizes the needs to develop practical engineering and administrative responses to address issues associated with the impacts of climate

change and
global warming. For more details, visit the "Call for Papers" page.

C. Non-IEEE Events

None reported

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