

June 2010

IEEE OTTAWA NEWSLETTER - JUNE 2010

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News Submission: write an email to the editor as per the adopted format

IEEE Ottawa Section Website: <http://ottawa.ieee.ca/>

Newsletter on the Web: <http://ottawa.ieee.ca/news/>

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A. IEEE Ottawa Section Activity

1. "Innovation – Creativity that matters " - for Students, Professors and Technology Professionals.

SPEAKER: Marcellus Mindel, Head of Academic Partnerships, IBM Canada Centre for Advanced Studies

DATE: June 3, 2010

TIME: Registration/Refreshment (18:00 - 18:30); Seminar (18:30- 20:00)

LOCATION: Algonquin T-Building room T123.

PARKING: Free!

ADMISSION: Free!

REGISTRATION: email emily.hao.chen@ieee.org

ORGANIZED BY: Engineer in Transition Committee

CONTACT: Emily Chen

Details and speaker bio can be found at

http://ottawa.ieee.ca/eit/EiT_Events.html

ABSTRACT: The nature of innovation is changing dramatically in the 21st century. Proprietary

invention in search of purpose is out. Open, collaborative and multi-disciplinary approaches to innovation are taking centre stage in the shaping of new ideas and creation of tangible value for business, individuals and the world. What forces are behind this trend? What new demands will be placed on students, educators and technology professionals? How can we prepare for these challenges?

The computing discipline – present, historical and hypothetical – will motivate a sampling of insights into these and other challenging questions.

2.0 Mobile Agents for Autonomous Wireless Ad Hoc Networks

SPEAKER: Dr. Victor C.M. Leung, ComSoc Distinguish Lecturer, Dept. of Electrical and Computer Engineering, University of British Columbia

DATE & Time: Thursday, June 17, 2010; Refreshments, Registration and Networking: 06:30 p.m.;

Seminar: 07:00 p.m. – 08:00 p.m.

LOCATION: Algonquin College, 1385 Woodroffe Ave., School of Advanced Technology, Building-T, Room T129, Ottawa, ON., Canada

PARKING: No fee after 5:00 p.m. at the Visitors' Parking Lots 8 & 9. Please respect restricted areas.

Admission: Free.

REGISTRATION: Registration required. To ensure a seat, please register by e-mail contacting: Wahab Almuhtadi almuhtadi@ieee.org or Raed Abdullah RaedAbdullah@ieee.org

ORGANIZED BY: The IEEE Ottawa Joint Chapter of Communications Society, Broadcast Technology Society and Consumer Electronics Society (ComSoc/BTS/CES), IEEE Ottawa Section, and IEEE Algonquin College Student Branch

Details and speaker bio can be found

at <http://ottawa.ieee.ca/news/MobileAgentsforAutonomousWirelessAdHocNetworksbyVLeung-17June2010.pdf>

ABSTRACT (brief): an overview of the use of mobile agents in wireless ad hoc networks, especially in their practical realization for wireless personal communications and wireless sensor networking. In the first example, we describe the Bluescout mobile agents for scatternet formation in Bluetooth networks, which adaptively reconfigures the Bluetooth scatternet to maximize the size of individual piconets. In the second example, we present the design of a mobile agent platform for wireless sensor networks known as Wiseman, and describe a limited experimental implementation of Wiseman and its evaluation. The presentation concludes with discussions of open research issues concerning the application of mobile agents in wireless networks, and potential applications of mobile agents in wireless networks of the future.

3.0 Wellness Survey Request

As a follow through on an initiative launched by our IEEE Ottawa Section member, IEEE Canada wishes to ascertain the interest level for a wellness program with GoodLife Fitness. We request your cooperation to complete a 20 second survey at <http://www.surveymonkey.com/s/5X8S3ZS>

Note: GoodLife Fitness offers presently only one other "affinity program", it is with CMA (Canadian Medical Association) at http://www.cma.ca/index.php?ci_id=10043394&la_id=1 . Depending on the responses from the survey above we may be able to offer an attractive corporate program for IEEE Canada members.

Thank you for your cooperation!

John Grefford, P.Eng.

Grefford@ieee.org

4.0 Tour of the Radarsat 2 Reception & Data Processing Site Cantley, Quebec, June 10, 2010

Time: 9:30AM to 12:00PM

We are privileged to have this opportunity to visit this high-tech Satellite Earth Station. The first portion is to visit the CCRS Reception Facility, run by NRCan. Then we walk to an adjacent

building for the subsequent tour of the Radar Production Facility run by MacDonald Dettweiler Associates, where the information is stored, processed and passed on to customers.

REGISTRATION: Full – deadline was April 28th

COST: FREE - Tables have been reserved for an optional pub lunch, afterwards, about 1 pm, at the Old Chelsea Pub, 238 Old Chelsea Road - main courses \$15 - \$18.

DETAILS: <http://www3.bell.net/max-com/ottawa.AESS.html>

ORGANISED BY: Aerospace and Electronic Systems Society (AESS)

5.0 IEEE Ottawa Section Conference Co-Sponsorships and Career Fairs

Please check the respective website for details on call for papers, deadlines, and other updates.

5.1. 2010 - 14th International Symposium on Antenna Technology and Applied Electromagnetics [ANTEM] and the American Electromagnetics Conference [AMEREM] July 5-9, 2010 Fairmont Château Laurier

This event will bring together the two North American Electromagnetic Conferences, ANTEM and AMEREM. As per tradition the ANTEM conference will cover a broad range of topics in electromagnetics, antennas and related topics. AMEREM will continue their tradition of addressing research on "High Power Electromagnetics (HPEM)", "Ultra-Wideband Short Pulse Electromagnetics (UWB SP)", and "Unexploded Ordnance Detection and Range Remediation (UXO)".

http://antem.ee.umanitoba.ca/antem_amerem2010/Home.html

5.2. 2010 International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS)

July 11-14, 2010 Crowne Plaza Ottawa Hotel

This annual international conference is a forum for professionals involved in performance evaluation of

computer and telecommunication systems.

<http://atc.udg.edu/SPECTS2010/>

5.3. 2010 Eight International Conference on Privacy, Security and Trust (PST 2010)

August 17-19, 2010 University of Ottawa

This year's theme is "Privacy, Security and Trust by Design: PbD - The Gold Standard." With the growth and ubiquity of data in today's hyper-networked world, the need for trust has become more critical than

ever. We need new paradigms that seek to integrate and build privacy, security and trustworthiness directly into technologies and systems from the outset and by

default. <http://www.unb.ca/pstnet/pst2010/>

5.4. 2010 IEEE 72nd Vehicular Technology Conference (VTC2010)

September 6-9, 2010 Westin Hotel

This semi-annual flagship conference of the IEEE Vehicular Technology Society will bring together individuals from academia, government, and industry to discuss and exchange ideas in the fields of wireless, mobile, and vehicular technology. The conference will feature world-class plenary speakers, tutorials, and technical as well as application sessions.

<http://www.ieeevtc.org/vtc2010fall/>

5.5. 2010 IEEE International Carnahan Conference on Security Technology (ICCST)

October 12-15, 2010 Dolce Hayes Mansion Hotel, San Jose, CA, USA

The ICCST is a forum for researchers and practitioners in both new and existing security technology, providing an interchange of knowledge through paper presentations and publication of proceedings that have been selected by the ICCST organizing committee.

<http://www.ieee.org/iccst>

5.6. 2011 IEEE International Carnahan Conference on Security Technology (ICCST)
October 11-13, 2011 Tecnocampus Mararo Maresme Mataro, Spain
Conference is directed toward research, development and user aspects of electronic security technology.

<http://ieee.org/iccst>

5.7 IEEE Electrical Power and Energy Conference 2010 (EPEC 2010)

August 25-27, 2010 Halifax Marriott Harbourfront Hotel, Halifax, NS, Canada.

The objective of EPEC2010 is to provide a forum for experts in Electrical Power and Energy to disseminate their recent research outcomes and exchange views on the future research directions of these fields, and to seek direct cross-fertilization in these areas. Special sessions will be organized. We will also invite renowned experts to give keynote insights.

<http://www.ieee.ca/epec10/>

Career Fairs

5.8. Ottawa Citizen Career Fair November 3, 2010 Hampton Inn & Conference Centre
The Ottawa Citizen Career Fair welcomes Engineering and Hi-Tech professionals, preferably with a minimum of 2 years' experience. A focus on opportunities from the Public and Financial Sectors, Healthcare, Retail, as well as General and Entrepreneurial Careers will also be featured at the Fair. Free Entry.

<http://www.ecarrieres.com/en/salons/ottawa/>

6.0 IEEE Technical Presentation hosted jointly by the
IEEE Ottawa EMC Chapter, and the IEEE Ottawa AP/MTT Chapter

Speaker : Ghery S. Pettit, Manager of EMC Regulatory Compliance,
Intel Corporation, and Vice President of IEEE EMC Society

Topic : Current and Upcoming EMC Standards for ITE and Multimedia Equipment

Date : Monday June 21, 2010

Time : 3:00 PM to 5:00 PM

Location : FIDUS SYSTEMS Inc., 900 Morrison Drive,
Suite 203, Ottawa, Ontario, K2H 8K7

Admission: Free, and is on a first to reply basis.

Preference given to IEEE EMC/MTT/AP society members.

Seating is limited. E-mail Reservation is required.

Pizza and soft drinks will be served.

Contact : Dr. Syed Bokhari, Chairman, IEEE Ottawa EMC chapter

Syed.Bokhari@fidus.ca,

Office : (613) 828-0063 Ext. 377, Cell: (613) 277-9311

Dr. Qiubo Ye, Chairman of the IEEE Ottawa MTT/AP Chapters

Qiubo Ye [qiubo.ye@crc.ca]

Abstract

CISPR SC I is responsible for the maintenance and generation of EMC product family standards for multimedia equipment. In the past, CISPR SC I wrote and now maintain standards for broadcast receivers and ITE (information technology equipment). This presentation will discuss the basic organization of CISPR SC I, existing standards maintained by CISPR SC I and new multimedia equipment standards that are presently under development.

Biography

Ghery S. Pettit is the EMC Regulatory Compliance Manager at Intel Corporation. He has been active in EMC and related subjects for the past 34 years, having previously worked for the US Navy, Martin Marietta Denver Aerospace and Tandem Computers. He is a member of a number of national and international standards development organizations and industry associations.

He chairs ITI TC5 and CISPR SC I WG3. Ghery is currently the Vice President for Conference Services of the IEEE EMC Society. He is an iNARTE Certified EMC Engineer. Ghery holds an Amateur Extra class amateur radio license with the call N6TPT and is a private pilot.

B. IEEE News

1.0 New IEEE Senior Members in the Ottawa Section

The following members were elevated in April 2010, at the A&A review panel meeting held in Washington DC USA, results became available at the time of issuing the special edition of May 2010 newsletter.

- * Dansereau, Richard
- * Kubbar, Osama
- * Xiao, Gaozhi Member of Instrumentation and Measurements society,

** IEEE Senior Member Program Page:

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

For details and updated news about Senior Membership elevation in Ottawa, visit IEEE Ottawa Section Senior Members Page

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

2.0 Membership Development and Benefits News

The IEEE Ottawa Section has exceeded 2100 active memberships at the start of 2010 thanks to your new or renewed membership. Each one of us has their own reason to join; however, we trust that you will or have benefited from your membership. The many financial, educational, career, and social benefits are detailed at the newly renovated ... www.ieee.org ... website.

Also, take a look at ...

http://www.ieee.org/membership_services/index.html#sect2 and ... <http://careers.ieee.org/>

More member benefits are being added regularly - if you received or have been informed of a survey regarding a fitness centre discount (GoodLife), please complete it now.

We want to hear from you on how to improve your membership experience send an e-mail to

webmaster@ieee.org

Also, Membership Dues in Special Circumstances – “IEEE realizes that economic circumstances may impact some members' ability to pay the full amount of IEEE membership dues. For this reason, the following special circumstance categories have been established. Special circumstances are not available to Student members. Only one category may be claimed in any year.

- Minimum Income Provision
- Retired Provision
- Unemployed Provision
- Permanently Disabled

3.0 IEEE Activity in Canada

Visiting another Canadian city over the holidays, or interested in IEEE Conferences held in Canada? Consider checking out an event held by the IEEE section in that area. For details, visit: www.ieee.ca and click on the relevant section or consult the newsletter.

4.0 IEEE President Elect and Director Elect – Candidates

Your choice of IEEE President (world wide) directly affects your services and benefits as a member. Your vote makes a great difference as the one you would have hoped to win may lose by only a few votes. You Count! Canada's Vote Counts! <http://www.ieee.org/about/corporate/election/candidates.html>

This year, there are only two candidates for the 2011 position:

- * Joseph V. Lillie (Nominated by IEEE Board of Directors) <http://www.ieee.joelillie.com/>
- * Gordon W. Day (Nominated by IEEE Board of Directors) <http://www.gwday.net/>

Please visit the website to learn of candidates for other positions, and exercise your privilege as a member in the world's largest professional organisation <http://www.ieee.org/about/corporate/election/candidates.html>

As an example, for Division Seven (Energy and Power Engineering) & Director Elect candidates are:

- * Mohamed E. El-Hawary (Nominated by Petition) <http://www.moelhawary.com/>
- * Saifur Rahman (Nominated by IEEE Division VII) <http://www.saifurrahman.org/ieee/>
- * Cheryl (Cheri) A. Warren (Nominated by IEEE Division VII) http://www.ieee.org/portal/cms_docs_pes/pes/subpages/bullseye-folder/May10/May-candidate_link.pdf.pdf

C. Non-IEEE News and Events/Announcements

1.0 IEC Young Professionals 2010 Workshop Competition

Competition deadline was extended and closed on May 21, 2010. Open to “Canadian young professionals (aged early 20's to mid 30's) who work for industry, government, academia, consumer organizations, or any entity within the Canadian standards and conformity assessment community that uses, benefits from, or contributes to the IEC's work in electrotechnical standardization.” Winners are eligible for an impressive list of rewards and recognition. If interested, be ready for next year's competition through http://www.scc.ca/en/get_involved/iec-yp

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