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IEEE OTTAWA NEWSLETTER - December 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 News & Events

1. Message from the outgoing IEEE Ottawa Section Chair

On behalf of the IEEE Ottawa Section Officers, I thank you for being a member of the IEEE -- and being so in our Section -- and wish you a 2011 that brings you more self satisfaction. My two years of service as Chair will end soon and I trust that you saw continued increase in satisfaction from your membership. Many of your Officers have worked very hard to bring you seminars, symposia, conferences, social events, and other membership benefits.

Be sure to read the Annual Report that will be posted by year-end at www.ottawa.ieee.ca under "News and Events." (We appreciate your patience as we overhaul your website.)

Some of these officers will stay on and others will move on to other challenges perhaps within IEEE and I thank each and every one of them. Volunteering, as it is challenging at times, it is also strangely satisfying - I recommend it! Those that are moving need mention and they are: Carolyn MacIsaac, Ottawa Section Secretary; Jennifer Ng, Teacher in Service Program, and Women in Engineering Chair; Mohammed Elbadri, Communications and Publications Chair; Ricardo Villalobos, Communications and Publications, Vice-Chair; Khalid Mahmood, Communications and Publication, Newsletter Editor; Balakumar Balasingam, Joint Chapter of Signal Processing, Oceanic Engineering, and Geosciences and Remote S

ensing, Vice-Chair; Abhay Raman, Alliance of IEEE
Consultant Network, Co-Chair.

2. Call for Volunteers for Humanitarian Initiatives
Committee

TITLE: Looking for Volunteers for Humanitari
an Initiatives Committee
CONTACT: Alfredo Herrera, chair IEEE Canada HI
C
DATE: ASAP
LOCATION: <http://ewh.ieee.org/mu/r7-hic/>
REGISTRATION: alfredo.herrera@ieee.org
ORGANIZED BY: IEEE-Canada Humanitarian Initiatives
Committee
CONTACT: Alfredo Herrera (alfredo.herrera@ieee.org)

ABSTRACT: IEEE Canada has established a new commi
ttee to support humanitarian initiatives in Canada
. We are calling on the Ottawa Section members to
help on a few of the initiatives underway: helping
prepare a demo of a battery recharging service fo
r presentation at EPEC 2010, helping create proces
s for shipping and receiving equipment for humanit
arian initiatives, design of open source Lithium I
on battery charger, organization of Canada-wide st
udent competition of open source hardware for huma
nitarian projects.

3. Membership Development and Benefits News

The IEEE Ottawa Section has over 2200 active membe
rs, and with this strength can come discounts at l
ocal events and attractions.

Anyone interested in discounted annual museum memb

erships (from 15% to 25% or more depending on interest), please indicate your interest by e-mail to Membership Development Chair, Shatha Hamoudi <shatha@rogers.com> so negotiations can begin. Also, suggestions for membership benefits and activities are welcome.

Have your membership work for you ... add these benefits to the competitive home and auto insurance from the Personal, almost 50% GoodLife Fitness (full service @ approx. \$400/y), purchasing power with Dell & Hewlett Packard, and so much more that your basic membership provides (visit: http://www.ieee.org/membership_services/index.html#sect2) let alone the extra benefits and services the societies may provide!

If you have yet to do so, renew your membership today: http://www.ieee.org/membership_services/membership/renew/index.html

IEEE Membership for 2011: It is now time to renew IEEE Membership and society memberships. Kindly renew the membership before the end of this year. Ms. Doreen Dyck of our section has been selected for IEEE T-Shirt Giveaway for Nov 2010. Congratulations.

4. Senior Member Elevation

Congratulations to the following members who were elevated to Senior Member status with support from the Ottawa Section:

- * Suhayya Abu-Hakima
- * Basel Alaweih
- * James Craig Bronson
- * Michel D. J. Clenet
- * Kenneth Edward Grigg
- * James Green

- * Qu Jin
- * Clement Gosselin

If you have a combined 10 years of contribution to your profession (education and work), you may be eligible for elevation to Senior Membership.
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>

Do seek the help of the Senior Membership Committee as they have experience with meeting the logistics for increasing chance of success.

5. IEEE MGA Leadership Award Winner

Congratulations to Dr. Wahab Almuhtadi, Professor at Algonquin College for receiving the IEEE Member Geographic Activities (MGA) Board "MGA Leadership Award"! This is a very prestigious award to honour his outstanding contributions to numerous IEEE activities and the example set in carrying forward the goals and objectives of the IEEE MGA Board. This award consists of a cash prize of US\$500 and a plaque, which carries the following citation:

2010

Wahab Almuhtadi
(IEEE Ottawa Section)

"For his distinguished leadership and outstanding contributions as a leader, at the Section and Regional levels, serving IEEE for the benefit of its members and the engineering profession."

6. IEEE 2010 Banquet and 66th AGM

Under the theme "ImagEn-EEring," based on Arthur C . Clarke's quote "Any sufficiently advanced technology is indistinguishable from magic," a full house of over 160 enjoyed a night of entertainment, awards, and IEEE Ottawa Section business on Friday, Nov. 5, 2010, at the Hampton Inn Conference Centre.

Keynote speaker Francis MacDougall, CTO of Gesture Tek Inc., kept people mesmerized with how his company's product is revolutionizing the consumer market with motion recognition in business, medicine, and games plus the entertainment and marketing world.

Toronto Magician Andy Blau, aka. "Zoltan the Adequate," kept the buzz at the reception with close-up magic and capped the banquet part of the night swallowing a balloon, and doing more unbelievable magic geared to our smart audience!

Corporate award winners were:

- Research in Motion (RIM) for successfully leading in designing, manufacturing and marketing of innovative wireless solutions for the mobile communications market. Receiving on their behalf was Claude Royer, Director, Advanced Technology.

- Bridgewater Systems for successfully leading in mobile personalization that enables service providers to efficiently manage and profit from mobile data services, content and commerce. Receiving on their behalf was Gary Knee, Senior Vice President of R&D and Operations.

- Cyrium Technologies Inc. for successfully leading in innovation and development of a high efficiency solar concentrator photovoltaic (CPV) cell. Receiving on their behalf was Simon Fafard, CTO.

- Energate for successfully leading in providing utility demand response and home energy management

technology solutions. Receiving on their behalf was Jorge Deligiannis, CTO.

- Seprotech Systems Inc. for successfully leading in designing, engineering and manufacturing excellence in water and wastewater treatment solutions. Receiving on their behalf was Martin J. Hauschild, President & CEO.

- Biosign Technologies Inc. for its continuous support to the activities of the IEEE Ottawa Section. Receiving on their behalf was a representative of Dr. Radu Leca, CEO.

2010 Awards were also presented as follows:

- The IEEE Canadian Foundation presented a Women In Engineering Prize to Rosalyn Seeton, and a scholarship award to Mohamed Haggag (details in a previous e-newsletter issue).

- All Saints High School presented the IEEE Canadian Foundation a recognition plaque for its support of their First Robotics team.

- Outstanding Engineer Award went to Dr. Qinghan Xiao for his contributions to the area of Biometrics.

- Outstanding Service Award went to Mr. Ian Dudley for his contribution to the Ottawa Robotics Competition.

- Outstanding Chapter Award (tie) went to The Communications Society, Broadcast Technology Society & Consumer Electronics Joint Ottawa Chapter for organising the most number of Distinguished Lectures and promoting membership development.

- Outstanding Chapter Award (tie) went to The Engineering in Medicine and Biology Society Ottawa cha

pter for organising the most number of Distinguish
es Lectures and promoting membership development.

- Outstanding Affinity Award went to Women In Engineering for organising events and promoting engineering profession amongst its members.
- Outstanding Committee Award went to Engineers in Transition for providing networking events and workshops to its members.
- Outstanding Student Branch Award went to The University of Ottawa for organizing the most number of member events and providing networking opportunities to its members.
- Outstanding Volunteer Award went to Raed Abdullah for his contributions through serving as the Chair of the IEEE Ottawa Section 2009-2010.

Your IEEE Ottawa Section Executives for 2011 is:

- Chair: Dr. Sreeraman Rajan, IEEE SM sreeraman@ieee.org
- Vice-Chair: Dr Rami Abielmona, P.Eng. - rabelmo@ieee.org
- Treasurer: Ms Anissa Shaddy
- Secretary: Mr. Boban Petrovic
- Past Chair: Mr. Raed Abdullah, P.Eng., IEEE SM raedabdullah@ieee.org

We thank Beverley Miranda of Toastmasters for being our Master of Ceremonies, the staff at Hampton Inn Conference Centre for being fabulous hosts, the staff at OCRI for help with the corporate awards nomination, plus "Sugar Mountain" <http://www.sugarmountain.ca/> and "Staples" www.staples.ca in South Keys for their kind support.

7. RadarCon2013 --- the IEEE Ottawa Section and the Aerospace and Electronic Systems Society Ottawa Chapter have successfully bid to host RadarCon2013 in

Ottawa at the Ottawa Convention Centre for April 29-May 03. This is only the second time this prestigious conference has been held outside the US.

DRDC will be playing a collaborative role with Maria Rey as the Chair. More will be communicated as the final details are worked out ... stay tuned

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8. Third WORKSHOP ON ADVERSE RESPONSE MONITORING
WARM2010, Dec. 16-17, 2010

<http://ottawa.ieee.ca/ims/smartarm2010>

PLACE: School of Information Technology and Engineering, Room # STE 2060

University of Ottawa

800 King Edward Avenue

Ottawa, Ontario, Canada K1N 6N

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The goal is to find ways to unify efforts aimed at meeting the demand for medication safety systems that detect and report adverse events objectively, promptly, and relevantly - case by case, regardless of location.

Pre-registration needed to ensure space and adequate sustenance. Stay tuned to the website as details become finalized.

Please Note: local events are sometimes confirmed after the e-newsletter is published. More current information may be found on our website www.otta

B. IEEE News

1. 2011 IEEE 24th Canadian Conference on Electrical and Computer Engineering (CCECE), May 8 - 11, 2011

Title: 2011 IEEE 24th Canadian Conference on Electrical and Computer Engineering (CCECE)

Date & Time: May 8 - 11, 2011

Location: Niagara Falls, Ontario, Canada

Details: <http://www.ccece2011.org>

Abstract: "Electrifying a Green Future" - The 2011 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE 2011) will be held in Niagara Falls, Ontario, Canada from May 8-11, 2011. CCECE 2011 provides a forum for the presentation of electrical and computer engineering research and development from Canada and around the world. Papers are invited, in French or English, for the following symposia.

* Circuits, Devices and Systems

Chairs: Dr. Karim Karim (University of Waterloo) and Dr. Shahab Ardalan (Gennum Corp.)

* Communications and Networking

Chairs: Dr. Mark Coates (McGill University), Dr. Alan Anpalagan (Ryerson University) and Dr. Min Dong (UOIT)

* Computers, Software and Applications

Chairs: Dr. Andreas Moshovos (University of Toronto) and Dr. Adnan Kabbani (Ryerson University)

* Control and Robotics

Chairs: Dr. Lacra Pavel (University of Toronto), Dr. James Smith (Ryerson University) and Mr. Javad Lavaei (California Institute of Technology)

* Power Electronics and Energy Systems

Chairs: Dr. Gerry Moschopoulos (University of West

ern Ontario) and Dr. Bala Venkatesh (Ryerson University)

* Signal and Multimedia Processing

Chairs: Dr. Xianbin Wang (University of Western Ontario) and Dr. Saeed Gazor (Queens University)

Authors wishing to submit papers that do not fit within any of the above topics are encouraged to do so to the 'general interest' symposium.

Regular Paper Submission:-

Please submit original full length paper(s) to the Technical Program:

Committee using the on-line submission process on our web site at <http://www.ccece2011.org> before January 7, 2011. Click on "Call For Papers" and follow the instructions provided.

Tutorial and Workshop Proposals Submission:

Proposals for half-day tutorials and workshops should be submitted before December 3, 2010 to the Tutorials Chair at tutorials@ccece2011.org.

Important Dates:

Tutorial or workshop proposals must be received by: Friday, December 3, 2010

Full length paper must be received by: Friday, January 7, 2011

Notification of acceptance will be sent out by: Friday, February 4, 2011

Author's Registration ends by: Friday, March 4, 2011

Advance Registration ends by: Friday, April 1, 2011

Industrial Exhibits and Sponsorships:

For industrial exhibits please contact the Industrial Exhibits Chair at exhibits@ccece2011.org. For sponsorships please contact the Sponsorship Chair at sponsorship@ccece2011.org.

Call for Reviewers, Questions or Comments:

To volunteer as a reviewer, please contact Technical Program Co-Chairs: Scott Yam (scott.yam@queensu.ca) or Andy Ye (aye@ee.ryerson.ca).

For any other questions or comments, please contact the Conference Chair: Wai Tung Ng, Tel: 416 946-5086 Fax: 416 971-2286 Email: ngwt@vrg.utoronto.ca . pour la version en français, voir <http://www.ccece2011.org> s'il vous plait.

2. Webinar on Introduction to Risk Management for Engineering Professionals

Free Webinar for members: IEEE-USA webinar on Introduction to Risk Management for Engineering Professionals was held last month and both presentation and slides can be accessed at: <http://www.ieeeusa.org/careers/webinars/2010/webinar-07-15-10.html>

3. 2011 IEEE Computer Society Simulator Design Competition

IEEE Computer Society is presenting the 2011 Simulator Design Competition for students worldwide with a top prize of US\$8,000 and a second place prize of US\$2,000. Student teams will be invited to design a CPU simulator, a program used in many architecture courses to illustrate how computers work. The competition requires that students have taken a course in architecture and have both programming and software engineering skills. Student teams must submit both a report and a working program at the end of the competition.

The competition is open to student members of the IEEE Computer Society organized into teams consisting of three to five students enrolled at the same institution of higher learning. The competition i

s conducted through online submission of reports and simulators to the panel of international judges (chosen by the IEEE Computer Society). This year's judges include Bob Colwell, one of the world's leading experts on computer design and Intel's former chief architect on the Pentium 4 processor.

To register and for more information visit the competition web site (www.computer.org/portal/web/competition) for more information and to register. Registration deadline is 18 January 2011.

4. Call for Grant Applications

The IEEE Foundation accepts grant applications for new and innovative projects three times per year. 2011 deadlines are 3 January, 22 April and 12 September. Grant applications are reviewed by a committee of the IEEE Foundation Board of Directors or the IEEE Life Members Committee.

The IEEE Foundation considers projects that:

- * Use technology for humanitarian causes;
- * Improve math, science and technology education from pre-college through continuing education;
- * Introduce pre-college students to engineering and science;
- * Support professional development and conference participation for university students;
- * Preserve and promote the history of IEEE associated technologies; and
- * Recognize major contributions to IEEE associated technologies.

Grant applications can be submitted through a simple-to-use online form. Before submitting an application, please review the IEEE Foundation's grant guidelines. Direct your questions to foundation-office@ieee.org.

C. Non-IEEE News and Events/Announcements

None for this newsletter.

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