



IEEE Ottawa Section Report to the Annual General Meeting 2013

November 8, 2013



IEEE Ottawa Section Report to the Annual General Meeting 2013

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IEEE Ottawa Section Chair's Report

The IEEE Ottawa Section had a guiding vision this year embodied in the acronym **MOVE** which stands for Membership, Outreach, Visibility and Engagement. Membership-related activities are meant to serve out our current members-at-large while reaching out to new ones that have yet to join our organization. Outreach-related activities are meant to reach out to government, industry, academia and other organizations. Visibility-related activities are meant to connect with every member to benefit them whenever and wherever we are needed. Finally, engagement-related activities are meant to foster relationships between academia, industry and government.

However, one of the most important activities that the Section engaged in this year was the execution of a Memorandum of Understanding (MOU) between the IEEE Ottawa Section, Ottawa Tourism and the Ottawa Convention Centre (OCC). This MOU was ratified on the 8th of May, 2013 by Ottawa Tourism President and CEO, Mr. Noel Buckley, OCC President and CEO, Mr. Patrick Kelly, and the Ottawa Section Chair. The MOU is intended to increase IEEE conference and event business activity within our Nation's Capital, by distinguishing Ottawa as one of the premier event destinations both domestically and internationally. This will help attract flagship conferences to our city and promote our economy, business activity and further raise our international profile.

As part of our **membership-related activities**, the Ottawa Section has actively reached out to schools through our Teacher-In-Service Program (TISP) and Ottawa Robotics Competition (ORC) activities. For example, the Ottawa Section attended the TISP Workshop held in Vancouver on 10-11 May, 2013 in order to learn how to provide training to local elementary school and high school teachers on the use of engineering & engineering design lesson plans and hands-on activities in the classroom as well as to learn how the lesson plans may be aligned to education standards and the challenges and opportunities that exist in local elementary school and high schools. We are now starting to apply what was learned back here in Ottawa through various workshops and teacher training sessions. Additionally and although this year was an anomalous one (due to an earlier school board strike) when it came to our annual robotics competition, the 11th Annual IEEE Ottawa Robotics Competition was still held on May 25th, 2013 at Longfields Davidson Heights Secondary School in Barrhaven. Several schools from various boards participated in the competition sending in 20 teams to compete in 3 different challenges: Drag Racing, Sumo, and da Vinci Challenges. The event was quite successful and the organizing team is already preparing for next year's competition.

The Ottawa Section actively participated in various tours that were coming through the city. First, the Aerospace and Electronic Systems Society (AESS) Distinguished Lecture (DL) Eastern Area Tour was held from May 21 to 26, 2013 across Ottawa, Montreal, Quebec City, St. John's and Frederickton. On May 21st, 2013, Dr. Paul Gartz (AESS DL) visited Ottawa and provided the local attendees a talk entitled "Systems-of-Systems & Systems Engineering: The Value of Business and Economic Growth" which was co-sponsored by various chapters and affinity groups. Second, the IEEE Canada Life Members (LM) Tour ran for ten days: from August 25 to September 3. The tour started in Toronto, ended in St. John's (capital of Canada's Eastern-most province) and visited Ottawa on the 27th and 28th of August. The

Section hosted a dinner with all of the LM tour participants on August 27 and facilitated tours of the major local educational institutions and their research facilities on August 28 which ended with another dinner before the participants moved on to Montreal the following day. Both Ottawa tour stops were quite well attended and all participants got to see our city and appreciate all it has to offer in terms of culture, entertainment and landmarks.

As part of our **outreach-related activities**, the Ottawa Section and its various entities have reached out to government, industry, academia, the City of Ottawa as well as various other professional organizations. For example, the student branches of University of Ottawa, Carleton University and Algonquin College held a Student Professional Activities Conference (SPAC) on March 14th, 2013 at the Westin Hotel to network with local industries. Mr. Marcellus Mindel from IBM Canada Ltd., and Ms. Lili-Ann Foster from the Renaud Foster Management Consultants were the two speakers who presented their views on entrepreneurship and current state of the market. The students got a chance to meet with employers, sit and dine with them. Industries that sponsored the events included Ciena, Alcatel Lucent, Ericsson, Cisco, the Code Factory, Mxi Technologies, Macadamian, the University of Ottawa, Algonquin College and Carleton University's Faculty of Engineering and Design, Department of Systems and Computer Engineering and Department of Electronics.

Additionally, the Section has actively reached out to various entities through its Membership Development booth (held at the major conference sites), engaged with and signed the aforementioned MOU with the City of Ottawa and sponsored attendance of the Engineering Institute of Canada's (EIC) annual gala and other professional organizational annual gatherings.

As part of our **visibility-related activities**, the Ottawa Section brought the IEEE Aerospace and Electronic Systems Society (AESS) Radar Conference (RadarCon 2013) to the city. The Ottawa Section was a financial and technical co-sponsor of the wildly successful conference which was held at the Ottawa Convention Center from 29 April – 3 May, 2013. There were over 470 delegates that attended with 168 individuals attending the Monday and Friday tutorials. 11 Partners (4 Platinum, 1 Gold and 6 Bronze) helped to raise awareness about the conference that was attended by people from 20 different countries including from places as far away as South Africa, Australia and Singapore. The theme of the conference was "The Arctic – The New Frontier" and 21 different exhibitors reinforced that theme along with an industrial showcase which was held on May 2, 2013 and involved 6 key Canadian industrial corporations that presented the latest advances in commercial radar technology for Arctic surveillance and other applications. The conference was deemed a great organizational, technological, logistical and financial success and was recognized as such by many of the local and international dignitaries that strolled through the conference.

The Section also supported the Third Canadian Track and Fusion Group (CTFG) Workshop in Ottawa, the Second International Workshop on High-Performance Chip, Package and Systems (HPCPS 2012), the Algonquin College and University of Ottawa Research Days and the IEEE International Symposium on Medical Measurements and Applications (MeMeA 2013). The Section has been involved in bringing over 7 conferences and workshops in 2013 to the City including local, national and international ones. The

Section is also currently involved in the organization (i.e. as a technical and/or financial co-sponsor) of 9 similar events over the next 3 years in Ottawa. The Section is also working closely with neighbouring sections such as the Montreal Section in a symbiotic fashion to support each other (e.g. CCTC 2013 held earlier this year). By bringing conferences to Ottawa, the Section will be stimulating the economy and contributing to the growth of the city. This is one of the main contributions of the section beyond technology, innovation and research.

As part of a worldwide celebration for IEEE Day which fell on October 1st this year, the Ottawa Section was involved in running three open houses at each of its student branches. Algonquin College's IEEE Student Branch hosted an open house on October 1st, 2013 in its new ACCE Building. The IEEE Carleton University Student Branch had a booth in the Minto Building at Carleton University where they promoted IEEE and its theme. The uOttawa Student Branch celebrated IEEE Day by inviting the students of the University of Ottawa to an Open House where students stopped by the McNaughton Centre and learned more about the IEEE and what we do for the students. All 3 were extremely well attended events and one of the few such activities held in Canada!

As part of our **engagement-related** activities, the Ottawa Section reached out and engaged with various bodies around the city through its Women in Engineering (WIE), Graduates of the Last Decade (GOLD), Alliance of IEEE Consultants Network (AICN) and Life Members (LM) affinity groups. For example, and in the spirit of celebrating WIE and helping to strengthen the relationships between students, professors, and industry professionals, the WIE affinity group (and its student branches) held its 4th Annual WIE Wine and Cheese party on March 21st, 2013. The event offers a unique opportunity for people sharing the same interests to meet and network (or practice networking) in an informal and no-pressure environment. The event builds a vibrant IEEE community, promotes IEEE WIE and its purpose and connects engineering students to industry experts. For many students, this represents an opportunity to create meaningful links to the professional industry in Ottawa. For employers, this is an opportunity to meet in person the next wave of innovators and problem solvers.

The Section is also committed to promoting the advancement of technology for humanity through its Humanitarian Initiatives Committee (HIC). HIC Ottawa is expected to play an active and crucial role, in organizing and executing the inaugural International Humanitarian Technology Conference (IHTC) that is scheduled to be held in Montreal in June 2014. This conference is being organized by HIC Canada, with seed funding from chapters from across Canada, including IEEE Ottawa. HIC Ottawa have also kicked off initiatives with Medecins Sans Frontieres (MSF) logistics, based out of The Netherlands to provide them with expertise where they need it most, for example to help doctors and logistic crews to better protect their satellite communications antennae which are currently deployed worldwide, many in tropical locations.

The Section student branches continued to encourage creative programming skills by co-organizing a 24-hour programming contest, called "Robocode", brought multiplayer gaming to the masses with their highly successful "Battle Royale VI", and conducted the Eastern Ontario Oral Student Paper Competition.

These activities expose the talent pools of excellent students in the Ottawa region to the technology companies which either participate or sponsor such events.

The Senior Members Committee has been actively helping with membership grade elevation. From 2012 AGM to 2013 AGM, the section had 15 members elevated to the senior grade. Two Senior Members of the section got elevated to the highest of grades within the IEEE, the Fellow grade: Prof. Ram Achar, Carleton University and Dr. Branislav Djokic, National Research Council. Congratulations to these Senior Members on their Fellow grade elevations!

Currently there are over 1900 members in the Section with at least one fellow grade member in almost every chapter. The Section is financially sound and very active with technical activities. In the past AGM-to-AGM year, the Section held 11 Distinguished Lectures, 47 technical activities without double counting and five conferences (one of which had 469 delegates) and two workshops. In addition, the Section has helped to form a new technical chapter under the Industrial Applications Society as well as a new student chapter (at uOttawa) under the Photonics Society. As always, the Section also held its regular social activities.

As you can see from the above, our Section is quite healthy and vibrant. This is mainly due to our strong volunteering base which we continuously count upon and are blessed to have. Without them, none of the above projects, initiatives, events, activities and gatherings would be possible. Hence, I would like to thank each one of those outstanding volunteers that hail the Ottawa Section as their home base and urge you to strive to even greater heights. Thank you for entrusting me to guide this vessel and allowing me to serve our members as well as represent our Section, Region and City at various levels. I look forward to working with all of you as we continue to MOVE our way to even greater achievements and bigger successes.



Rami Abielmona, Ph.D., SMIEEE, P.Eng.
Chair, IEEE Ottawa Section

New and Noteworthy

- 2013 has been a successful year with lot of recognitions for our section, chapters and volunteers. 1) The IEEE ComSoc and PES Ottawa Chapters each received awards for being recognized as the Chapters within their respective Societies that have had the highest performance and activities. 2) The PES Ottawa Chapter was selected as the 2nd place winner in the 2013 IEEE PES Chapters Web Site Contest. 3) The IEEE Ottawa AP/MTT Joint Chapter Chair has been selected as one of 10 best chapter chairs by IEEE Antennas and Propagation Society for

2013 and its chapter chair was awarded a travel grant to attend the AP chapter chairs meeting. 4) The Ottawa CASS Chapter won the prestigious CASS Region 1-7 Chapter of the Year Award. 5) Carleton University students placed 1st in Eastern Ontario Student Oral Paper Competition, while the teams from RMC, Queen's and Algonquin College places second, third and fourth respectively. 6) The Carleton University Student Branch won the 2012 Global Website Contest while the Carleton University Student Branch Counsellor, Dr. Calvin Plett, won one of two Outstanding Counselor Awards. 7) The IEEE Canadian Foundation awarded Carleton University a McNaughton Learning Resource Centre Grant Application in February 2013. 8) The Photonics Society approved the formation of the IEEE Photonics Society uOttawa student chapter in September 2013. 9) The Industry Applications Society (IAS) approved the formation of the IEEE Ottawa IAS Chapter in October 2013. 10) Professor Qi-Jun Zhang, Department of Electronics, Carleton University was selected as the General Chair for the 2015 IEEE International Symposium on Simulation and Computation in Microwave and Electromagnetics in Ottawa. 11) The CASS Outreach Grant to organize the second edition of the IEEE International Workshop on High-Performance Chip, Package and systems (HPCPS-2013) was awarded to CASS. 12) A CASS Chapter Subsidy Grant in recognition of the leadership provided by the Ottawa CASS chapter and to further develop IEEE and CASS activities in Ottawa was awarded to CASS.

The following members of the Section were recognized: 1) *Prof. Ramachandar Achar* (Carleton University, for contributions to interconnect and signal integrity analysis in high-speed designs) and *Dr. Branislav Djokic* (National Research Council, for contributions to precision metrology in electrical power applications) became IEEE Fellows based on their outstanding technical contributions. 2) *Prof. Azzedine Boukerche*, University of Ottawa, was recognized as a Fellow of the Engineering Institute of Canada (EIC) 3) *Dr. Tony Ponsford*, Co-Chair of RadarCon 2013, was appointed in March 2013 as AESS Distinguished Lecturer with the topic of "Maritime Domain Awareness" 4) *Dr. Sreeraman Rajan*, Senior Member, was selected as a recipient of the 2012 MGA Achievement Award "For encouraging members to connect, communicate, and collaborate at all levels of IEEE and fostering cooperation within Region 7". 5) *Dr. Sreeraman Rajan* was also recognized for his leadership to IEEE Ottawa Section with the Queen Elizabeth II Diamond Jubilee Medal. 6) *Dr. Wahab Almuhtadi* was awarded the W.S. Read Outstanding Service Award for "his clear vision, leadership and exemplary service to the Region 7 and IEEE". 7) *Dr. Abed El-Saddik* was awarded the C. C. Gotlieb award for his "outstanding contributions to multimedia applications, computing & communications". 8) *Dmitry Klishch* (Algonquin SB Chair) was selected as a finalist for the Student Poster Contest of the IEEE Global Humanitarian Technology Conference (GHTC 2013). 9) *Mohamed Abdelazez* (Carleton SB Executive) received an IEEE Canadian Foundation (ICF) Scholarship in 2013. 10) Professor Jianping Yao, School of EECS at uOttawa became an IEEE MTT-S (Microwave Theory & Techniques Society) Distinguished Lecturer.

The IEEE Ottawa Section has also been quite involved in the management and execution of several local, national and international conferences as a technical and/or financial co-sponsor. Here is a snapshot of our involvement so far this year:

1. 2013 IEEE Radar Conference was held in Ottawa from 29 April – 3 May, 2013 at the Ottawa Convention Centre. Dr. Tony Ponsford, Vice-Chair of the AESS Ottawa Chapter and Dr. Sreeraman Rajan, Past Chair of the Section serve as the General Co-Chair and Associate General Chair, respectively.
2. IEEE International Symposium on Medical Measurements and Applications (MeMeA) 2013 was held in Gatineau, Quebec from 4-5 May, 2013 at the Universite du Quebec en Outaouais (UQO).
3. Third Climate Change Technology Conference (CCTC) was held in Montreal from 27-29 May, 2013 at Concordia University.
4. IEEE Electrical Insulation Conference (EIC) 2013 was held in Ottawa from 2-5 June, 2013 at the Delta Ottawa Hotel.
5. 2013 Photonics North was held in Ottawa from 3-5 June, 2013 at the Ottawa Convention Center.
6. Canadian Tracking and Fusion Group (CTFG) Workshop 2013 was held in Ottawa from 10-11 September, 2013.
7. HPCPS 2013 (IEEE International Workshop on High-Performance Chip, Package and Systems) will be held November 16, 2013 at Carleton University.

Committee Reports

Annual General Meeting (AGM) Planning Committee

Chair: Rami Abielmona

The IEEE Ottawa Section celebrated its 68th AGM on October 19, 2012 at the Ottawa Convention Center. It was a well-attended function. The first part of the function was the official part where the 2013 budget was voted upon and approved and the elections for the 2013 Executives were conducted. The second part of the function was the banquet where awards for the Section groups, individuals and the industries were awarded. The keynote speaker was Senator Mac Harb who gave a talk on “Starting Local and Going Global”. The day ended with an entertainment show by the Orbital Talent act, The Cowguys, which were full of surprises. The numerous student volunteers from Carleton University, the University of Ottawa and Algonquin College helped to ensure the success of the AGM. The location of the event was the Ottawa Convention Centre (Trillium Ballroom – AGM & Banquet) Address: 55 Colonel By Drive, Ottawa ON.

At the AGM, elections for 2013 were held and the following members were declared elected unanimously unopposed:

Chair: Dr. Rami Abielmona, Vice Chair: Mrs. Janet Davis, Treasurer: Mr. Jeffrey Arcand and Secretary: Dr. Eric Karmouch.

IEEE Ottawa Section recognized the following Volunteers for their outstanding contributions:

- a) Dr. Sreeraman Rajan: Outstanding Volunteer Award for serving as the Section Chair for 2011-2012
- b) Dr. Jim Lee: Outstanding Engineer Award for his development of an algorithm for fine-grain analysis of modern radar signals and novel re-configurable multi-function electronic support receivers for detection, analysis and direction finding of radar signals.
- c) Dr. Abdulmotaleb El-Saddik: Outstanding Engineering Educator Award for his dedication to student success and outstanding contributions to multimedia applications, computing & communications.

The following industries were recognized at the AGM

- a) The Outstanding Information and Communication Technology Company award was presented to Ciena for globally leading the next-generation telecommunications infrastructure; establishing its position in Ottawa largely based on research and design; and committing to higher education through research and development.

b) The Outstanding Technology Recognition award was presented to TekTrap, Track24, DRDC-Ottawa and CANOSCOM for collaboratively conducting research and developing an anti-intrusion RFID technology to ensure container security for the Canadian Forces.

c) The 2012 Appreciation Award was given to TELUS for its continued and valuable support to the activities of the IEEE Ottawa Section and to its significant contribution to the success of the International Conference on Communications 2012 – ICC 2012, Ottawa.

d) The 2012 Appreciation Award was given to Alcatel-Lucent for its support to the activities of the IEEE Ottawa Section and valuable contribution to the success of the International Conference on Communications 2012 – ICC 2012, Ottawa.

e) The 2012 Appreciation Award was given to the City of Ottawa for its support to the activities of the IEEE Ottawa Section and valuable contribution to the success of the International Conference on Communications 2012 – ICC 2012, Ottawa

Section Awards presented at the Section AGM 2012

The following Section Awards were presented at the Section AGM 2012 on Oct 19, 2012.

a) Outstanding Chapter Award: The Antennas and Propagation Society and Microwave Theory & Techniques Society (AP/MTT) Joint Chapter for organizing technical meetings and conferences and promoting membership development in 2012.

b) Outstanding Committee Award: The IEEE Canada Humanitarian Technology Ad-hoc Committee for organizing Humanitarian workshop the IEEE International Conference on Communications 2012 (ICC2012).

c) Outstanding Student Branch Award: The University of Ottawa Student Branch for organizing events and for providing networking opportunities for its members.

Awards Committee

Chair: Wahab Almuhtadi almuhtadi@ieee.org

Members: Executive Officers of the Ottawa Section (Chair, Vice Chair, Secretary, Treasurer, Past Chair).

IEEE Ottawa Awards website: <http://ottawa.ieee.ca/awards.html>

The Award Committee works closely with IEEE Ottawa Section chapters, committees, affinity groups, and student branches and encourages members, engineering community, academia and Industry to submit their nominations for the IEEE Ottawa Section Awards available on <http://ottawa.ieee.ca/awards.html>. The Award winners are announced every year at the IEEE Ottawa Section Annual General Meeting- AGM.

The winners for the 2012 IEEE Ottawa Section Awards are as follows:

Recognition Industry and Organizations

1. The 2012 Information and Communications Technology Company Award): Recipients:

Ciena: for globally leading the next-generation telecommunications infrastructure; establishing its position in Ottawa largely based on research and design; and committing to higher education through research and development.

2. The 2012 Information and Communications Technology Company Award): Recipients:

TekTrap System Inc, Track24 Defence Canada, Defence R&D Canada – Ottawa (DRDC Ottawa), and Canadian Operational Support Command (CANOSCOM): for collaboratively conducting research and developing an anti-intrusion RFID technology to ensure container security for the Canadian Forces.

3. The 2012 Appreciation Award: Recipient:

TELUS: for its continued and valuable support to the activities of the IEEE Ottawa Section and to its significant contribution to the success of the International Conference on Communications 2012 - ICC 2012, Ottawa.

Alcatel-Lucent: for its support to the activities of the IEEE Ottawa Section and valuable contribution to the success of the International Conference on Communications 2012 - ICC 2012, Ottawa.

City of Ottawa: for its support to the activities of the IEEE Ottawa Section and valuable contribution to the success of the International Conference on Communications 2012 - ICC 2012, Ottawa.

AGM Keynote Speaker Appreciation

4. Appreciation Plaque to

Senator Mac Harb, Parliament of Canada, in appreciation of his contribution to the IEEE Ottawa Section as the AGM 2012 Keynote Speaker.

Recognition Individuals

5. The 2012 IEEE Ottawa Section Outstanding Volunteer: Recipients:

Dr. Sreeraman Rajan: for his contributions through service as the Chair of the IEEE Ottawa Section in 2011 -2012.

6. The 2012 IEEE Ottawa Section Outstanding Engineer: Recipients:

Dr. Jim Lee: for developing an algorithm for fine-grain analysis of modern radar signals and novel re-configurable multi-function electronic support receivers for detection, analysis and direction finding of radar signals..

7. The 2012 Outstanding Engineering Educator Award: Recipients:

Dr. Abdulmotaleb El Saddik: for his dedication to student success and outstanding contributions to multimedia applications, computing & Communications.

Recognition Ottawa Section Groups

8. The 2012 IEEE Ottawa Outstanding Chapter Award: Recipient:

The Antennas & Propagation Society and Microwave Theory & Techniques Society Joint Chapter: for its outstanding performance in 2012.

9. The 2012 IEEE Ottawa Outstanding Committee: Recipient:

IEEE Canada Humanitarian Technology Ad-hoc Committee: for organizing Humanitarian workshop the IEEE International Conference on Communications 2012 (ICC2012).

10. IEEE Ottawa Outstanding Student Branch Award 2012: Recipients:

The University of Ottawa Student Branch: for organizing events and for providing networking opportunities for its members.

Bylaws Committee

Chair: Branislav Djokic branislav@ieee.org

Vice Chair: Kexing Liu Kexing.Liu@ieee.org

The document was reviewed and no changes were necessary.

Communications / Publications (CPC) Committee

Chair: Ahmad Abdo aabdo@ieee.org

Editor: Alya Othman, alyaothman@gmail.com

The list of core responsibilities and the associated highlights are presented below:

- Newsletter: Twelve newsletters were edited and distributed.
- Website: The website has been updated regularly to advertise the events organized by the different chapters and committees.
- General Communication: coordinated the dissemination of notices and events by acting as liaison between the Section and IEEE eNotice Mailing Service department.
- Mailing list: was maintained and updated regularly.
- LinkedIn: was maintained and updated regularly.
- Virtual Community: was maintained and updated regularly.

Educational Activities (EA) Committee

Chair: Branislav Djokic, branislav@ieee.org

Website: <http://www.ieeeottawa.ca/ea/>

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors

	Description			
Dec. 21, 2012, 6:00 p.m. – 8:00 p.m., Algonquin College	Technical Meeting, PES DL Seminar	Power System Line Protection, by Meliha Selak, BC Hydro, Vancouver, BC, PES DL	17/22	IMS, PES, and RS & PEL Chapters, and Algonquin College IEEE Student Branch
Jan. 17, 2013, 6:00 p.m. – 8:00 p.m., Algonquin College	Technical Meeting	Acceptance and efficiency testing of newly installed hydro generators, by Emmanuel Côté & David Jarry- Bolduc, Hydro- Québec, Montreal, QC	'12/23	IMS, PES, and RS & PEL Chapters, and Algonquin College IEEE Student Branch
Sep. 10, 2013, 6:30 p.m. – 8:00 p.m., Algonquin College	Technical Meeting, DL Seminar	Energy Aware Computer Systems and Networks, by Dr. Erol Gelenbe, Imperial College, London, UK, CS DL	18/28	PES, CS, ComS/BTS/CES, and AP & MTT Chapters, and IEEE Algonquin College Student Branch
Sep. 25, 2013, 6:30 p.m. – 8:00 p.m., Algonquin College	Technical Meeting	Design Considerations for Consumer Power Supplies, by Stefan Mozar, President of IEEE Consumer Electronics Society	19/32	ComS/BTS/CES, PES, RS & PEL, CS, and AP & MTT Chapters, and IEEE Algonquin College Student Branch

Engineers-in-Transition (EiT) Committee

Chair: Chadi Wansa, cwansa@yahoo.com

Vice Chair: Bruce Yu, bruce.yu.gn@ieee.org

Vice Chair: Thanelenee Davarajah, thanelenee.ieee@gmail.com

Website: <http://www.ieeeottawa.ca/eit/>

The EiT Committee is in transition itself and will be planning and organizing future events and activities that will benefit our members at large.

Humanitarian Initiatives Committee (HIC)

Chair: Sri Priya Sundararajan, cwansa@yahoo.com

Member: Sawsan Karim, bruce.yu.gn@ieee.org

Member: Alfredo Herrera, thanelenee.ieee@gmail.com

Member: Kin Sze, thanelenee.ieee@gmail.com

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
November 16 th 2012, Algonquin College, P214, 6:30 - 9:00 pm	Nontechnical Meeting	Haiti Anse a Veau: Solar Project	2/3	N/A
December 6 th 2012, Ever Afters Café, 319 Rideau Street, 6:00 – 8:00 pm	Nontechnical Meeting	Discussing possible collaborations with EWB Ottawa	3/5	N/A
Jan 17 th 2013, U of Ottawa, SITE 5084, 6:00-9:00 pm	Nontechnical Meeting	N/A	3/3	N/A
Feb 21 st 2013, U of Ottawa, SITE 5084 6:00-9:00 pm	Technical Meeting	Computer Refurbishment/ Search and Rescue Radar Development	3/5	N/A
April 18 th , U of Ottawa, SITE 5084 6:00 to 9:00 pm	Nontechnical Meeting	Guest Speaker from CIDA, Les Breiner, retired development expert	3/4	N/A
May 9 th , Algonquin College, T129, 6:00- 9:00 pm	Nontechnical	Sync Up regarding Seniors Computer Education Initiative & Follow up on Radar for Humanitarian Applications	4/5	N/A
August 22 nd , U of Ottawa, SITE 5084, 6:00 – 9:00 pm	Nontechnical	Follow up on Radar for Humanitarian Applications & Launch of projects with MSF logistics Amsterdam	4/5	N/A

Projects in Progress: Kin Sze, spear headed a project to develop and build a search and rescue radar for snowy conditions, with Alfredo's fundraising and project management support. This initiative is based on Open Source courseware available from MIT and on Kin's technical expertise.

We have kicked off initiatives with Medecins Sans Frontieres logistics, based out of Amsterdam. These include using IEEE expertise to help doctors and logistics crews, better surge and lightning protect 100 odd satellite communications antennae, currently deployed worldwide, many in tropical locations. I had visited with MSF logistics office, while I was on holiday in Amsterdam, to brain storm with the

Operations Coordinator, to see whether IEEE expertise could help with any of their technical needs. Through the course of the year, we discussed at length a Senior Computer Education initiative. The idea was to test whether there would be utility in IEEE Ottawa HIC members offering computer literacy courses for seniors, potentially on refurbished laptops. HIC volunteers did market research within Ottawa and elsewhere, scoping out similar programs offered at libraries and Senior centres through the region. We decided not to pursue this initiative, as younger seniors may have acquired the necessary skills through their careers. The seniors who need additional tech support often consult their family members or friends. The seniors who don't fall in either of the above categories are few and may not be interested or may not be able to pursue computer based activities due to health issues.

Sawsan, along with Joan Kerr and Glenn Goodrich, with the full support of HIC president Ferial El-Hawary, orchestrated a successful Student Paper competition at CCECE 2013, in Regina, Saskatchewan. The student who won the contest, Marielle Magbay is being sponsored to present her paper, on the topic of load planning based on renewable energy sources at GHTC 2013, in San Jose. Abdul Chehri served on the paper review committee. IEEE Ottawa, is sponsoring another deserving student Dimitry Klisch to present his hydraulic leg brace (you should see it!) at GHTC 2013, in San Jose.

Membership Development: We have counted on the regular support of Alfredo Herrera, Sawsan Abdul Majid, Kin Sze, Joan Kerr, Glenn Goodrich and Doug Reid. Alfredo, through his contacts, was able to bring in participants from the Ottawa community, including government agencies like CIDA. Patrick Santos, who had visited our AGM booth last year, has taken a more active role this year, working with Alfredo to improve the usability of the Virtual Communities repository. Wolfram Lunscher, well known IEEE Ottawa volunteer, has been a valuable resource, attending our meetings and providing expertise, for the satellite communications surge protection project with MSF. Bhagvat Joshi's advice and technical expertise have been indispensable for the MSF project.

Outreach: We have kicked off collaboration with Medecins Sans Frontieres (Doctors Without Borders) Amsterdam which handles the logistics for MSF Canada. In addition we have worked with Brian Cheung and Andy Carbognin of Engineers without Borders Ottawa, throughout the year, inviting them to our monthly meetings. EWB invited us to participate in their inaugural National Engineering Month activities at University of Ottawa, which occurred in March 2013. This year we didn't participate, but it is certainly something to plan for starting January 2014.

Unique events: Student Paper Competition at CCECE 2013 and Panel Discussion of HIC Activities at CCECE 2013.

Proposed events: HIC Ottawa is expected to play an active and crucial role, in organising and executing, for the inaugural Global Humanitarian IEEE Canada conference to be held in Montreal in June 2014. This conference is being organised by HIC Canada, with seed funding from chapters from across Canada, including IEEE Ottawa.

Membership Development (MD) Committee

Chair: Anissa Shaddy, anissa@ieee.org

Activity Date, Time,	Activity Type (Tech Meeting,	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
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Location	Workshop, DL, etc) and Brief Description			
March 14, 2013, Westin, Ottawa	Career Fair Booth, Membership Recruitment and Retention	SPAC		Carleton SB, Algonquin SB, Ottawa U SB, OS, OS MDC
April 12, 2013, Algonquin, Ottawa	Career Fair Booth, Membership Recruitment and Retention	Algonquin Applied Research Day		OS, Algonquin SB, OS MDC
April 29 – May 2, 2013, OCC, Ottawa	Conference Booth, Membership Recruitment and Retention	RadarCon 2013		OS, AESS, OS MDC
May 4-5, 2013, UQO, Gatineau	Conference Booth, Membership Recruitment and Retention	MeMeA 2013		OS, OS IMS, OS EMBS, OS MDC
June 4-5, 2013, OCC, Ottawa	Conference Booth, Membership Recruitment and Retention	Photonics North 2013		SPIE, Photonics Society, OS MDC
October 1, 2013, Carleton U, Ottawa U, Ottawa	Open House, Membership Recruitment and Retention	IEEE Day		Carleton SB, Algonquin SB, Ottawa U SB, OS, OS MDC

Best practices: Leverage the IEEE and non-IEEE activities to bring awareness of IEEE and benefits of membership. Leverage the activities of IEEE to benefit the rest of the membership. Promote IEEE and bring awareness to local activities.

Nominations and Appointments

Chair: Sreeraman Rajan Sreeraman@ieee.org

Member: Raed Abdullah, raedabdullah@ieee.org

Member: Wahab Almuhtadi almuhtadi@ieee.org

Member: Branislav Djokic branislav@ieee.org

Member: John Grefford Grefford@ieee.org

Member: Tom Lavrisa lavrisa@ieee.org

The Nomination and Appointments Committee (N&A) is responsible for the nomination and election process of the next year's four executive officers of the Section (Chair, Vice-Chair, Secretary, and

Treasurer). N&A is responsible for recommending and appointing qualified candidates for positions in the Section chapters, affinity groups, and committees.

Ottawa Robotics Competition (ORC) Committee

Chair: Alawi Assaggaf, assaggaf@ieee.org

Website: <http://orc.ottawa.ieee.ca/>

The Ottawa Robot Competition aims at bringing engineering awareness to students in grades five (5) to 12 by presenting a fun and instructive approach to problem solving. Using LEGO® MINDSTORMS NXT® kits, the students have around 8 weeks to design and build an autonomous robot in teams of two to five. They learn engineering concepts with the help of a mentor and come together to produce a working prototype.

The teams compete during a one day event where they demonstrate the superiority of their robot by completing a challenge. They are also judged on a poster presentation, a written report, their team spirit, and their ability to answer judge's questions.

Each team is provided with a description of the robot challenge as well as a set of rules. To help the students, workshops will be held by mentors to introduce concepts of robot design and programming. Assistance will be provided for the teams in difficulty, so that each team has a working robot on the date of the competition.

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
Jan 24, 2013, Glebe Collegiate Institute, Evening	Meeting	Initial meeting for 2013	1	
April 1, 2013, IEEE Office, UOttawa, Evening	Meeting	Volunteers Meeting	5	
April 24, 2013 IEEE Office, UOttawa, Evening	Meeting	Sponsorship meeting	2	
April 28, 2013 IEEE Office, UOttawa, Evening	Workshop	Volunteers Workshop and Meeting	1	
May 08, 2013 Voice,	Meeting	Sponsorship meeting (Voice)	2	

Evening				
May 15, 2013 IEEE Office, UOttawa, Evening	Meeting	Judges meeting	7	
May 20, 2013 IEEE Office, UOttawa, Evening	Meeting	Setup and final preparations	5	
May 22, 2013 IEEE Office, UOttawa, Evening	Meeting	Follow up and Appreciation	4	
June 26, 2013 IEEE Office, UOttawa, Evening	Meeting	Initial meeting for 2014	2	

Proposed events: ORC Open House. The idea of the open house activity is to make an open invitation event that will target parents and teachers to bring their kids and students. The event will demonstrate what ORC is about and showcase previous events. The aim is to have more people interested in joining the ORC this coming year (2014) and also as a means of advertisement. The tentative date for this event is early December. This will give attendees time to consider joining before registration opens early 2014. More details are being discussed currently and coming soon.

Senior Membership Committee

Chair: Dr. Sreeraman Rajan

Vice Chair: Dr. Chen Wu

The Section had 15 Senior Member elevations from October 2012 to September 2013.

Ottawa Section	Harrison	David
Ottawa Section	Joshi	Bhagvat
Ottawa Section	Kantarci	Burak
Ottawa Section	Pieris	Gerard
Ottawa Section	Rutagemwa	Humphrey
Ottawa Section	Yanikomeroğlu	Halim
Ottawa Section	St-Hilaire	Marc
Ottawa Section	Thabet	Wahib

Ottawa Section	Gohary	Ramy
Ottawa Section	Qela	Blerim
Ottawa Section	Zhang	Dongli
Ottawa Section	Zhu	Zhiwen
Ottawa Section	Liu	Jie
Ottawa Section	Wang	Xiaoyu
Ottawa Section	Kelly	Owen

Teacher In-Service Program (TISP) Committee

Chair: Janet Davis, janet.davis@ieee.org

Vice Chair: Wolfram Lunscher, wlunscher@gmail.com

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
June 26, 2013	Planning meeting for TISP event	n/a	2/3	
July 15, 2013	TISP workshop Prep Meeting	n/a	2/3	
July 18, 2013	Workshop	TISP workshop at Museum of Science and Tech	2/44	

Unique events: Wolfram Lunscher attended the Third TISP Canada workshop in Vancouver, representing Ottawa section in preparation for taking over the Chair of the Ottawa TISP committee 2014.

Proposed events: Plan to participate in the Museum program again and present another TISP workshop.

Chapter Reports

AESS – Aerospace and Electronic Systems Society

Chair: Hugh Reekie, h.reekie@ieee.org

Vice-Chair: Tony Ponsford, tony_ponsford@Raytheon.com

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

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
23rd October, 2012 David Florida Satellite Test Facility at Shirley Bay	Tour	Tour of the David Florida Satellite Test Facility at Shirley Bay	16	
24th October, 2012 Crowsnest, Naval Officer's Mess	Technical Presentation Speaker: Neville Miller	The 3B Satcom System - "Connecting to the Other 3 Billion"		
27th March 2013	Technical Presentation Speaker: Andy Gryc	QNX's View of Automotive Infotainment	40+	VTS
12) 2 April 2013 8:30–8:55 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Man-Made Noise Measurements and Electromagnetic Environment By Dr. Qingsheng Zeng	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera Technologies
13) 2 April 2013 8:55–9:25 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Satellite Communications at Frequencies to 100 GHz By Dr. David Rogers	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera Technologies
14) 2 April 2013 9:25–10:10 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Conformal MIMO Effects on Multipath Propagation in Underground Mines By Dr. Mhammad Ghaddar	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera Technologies
15) 2 April 2013 10:10–11:10 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Experimental and Theoretical Aspects of Atmospheric Attenuation on Earth-	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera

		Space Links at Ka- (20/30 GHz) and Q/V- (40/50 GHz) bands By Dr. César Amaya		Technologies
16) 2 April 2013 11:10–12:10 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Experiments on Propagation in Geospace in the CASSIOPE Small Satellite Mission By Dr. Gordon James	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera Technologies
17) 2 April 2013 13:00–14:00 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation and IEEE Vehicle Technology Society (VTS) Distinguished Lecture	Theory, Analysis, Measurements, and Modeling of Temporal and Spatial Variability in the Wideband Characteristics of Urban Mobile Radio Channels By Dr. Robert Bultitude	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera Technologies
18) 2 April 2013 14:00–14:30 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Comparative Evaluation of Macrocellular and In-Building Coverage Performance at 700 and 2500 MHz By Dr. Yvo de Jong	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera Technologies
19) 2 April 2013 14:45–15:45 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Improve RF System Throughput by Using the Latest Processor, FPGA and Bus Technologies By Tejinder Gill	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera Technologies
20) 2 April 2013 15:45–16:45 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Tight Synchronization in Multi-Frequency RF Record and Playback: Validation and Test Results By Iurie Ilie	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera Technologies
7th May 2013	Third Canadian Fusion and Tracking Workshop	Maritime Domain Awareness by		

		Tony Ponsford – an AESS Distinguished Lecturer - and Fusion of Information to Improve Dependability in Cyber-Physical and Social Systems (CPSS) by Dr Elio Bossé, University of Laval, Quebec		

Recommended best practices include:

- Wide range of topics, understandable to all graduates
- Arrange wide publicity; provide ppt files to all requests; seek co-sponsorship where appropriate; DL if possible

AP/MTT – Joint Chapter of Antennas and Propagation Society Microwave Theory & Techniques Society

Chair: Qingsheng Zeng, qingsheng.zeng@crc.gc.ca

Vice Chair: Leonard Petrie, petrie@rogers.com

Secretary: Yuming Tao, Yuming_Tao@pmc-sierra.com

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
1) 25 Oct 2012 18:00–20:00 Board Room Fidus Systems Inc.	IEEE EMC-S (Electromagnetic Society) Distinguished Lecture	Why my module fails EMC? By Jerry Meyerhoff	IEEE/Total 7/11	AP/MTT and EMC Chapters, and Fidus Systems Inc.
2) 5 Nov 2012 14:30–16:30 SITE 5084 University of Ottawa	IEEE Antennas and Propagation (APS) Distinguished Lecture	Design, Analysis, and Applications of Waveguide-Fed Slot Arrays By Prof. Sembiam R. Rengarajan	IEEE/Total 8/13	AP/MTT, CPMT, and EMC Chapters, and School of EECS at uOttawa
3) 29 Nov 2012 14:00–15:35 ME 4124 Carleton University	IEEE Antennas and Propagation (APS) Distinguished Lecture	Electromagnetic Macro Modeling of Propagation in Mobile Wireless Communication: Theory and Experiment By Tapan K. Sarkar	IEEE/Total 17/25	AP/MTT, CPMT, ComSoc/BTS/CES, and EMC Chapters and Department of Electronics (DoE), Carleton University

4) 29 Nov 2012 15:35–17:00 ME 4124 Carleton University	IEEE Antennas and Propagation (APS) Distinguished Lecture	Physics of Multi-antenna Systems and Their Impacts on Wireless Systems By Tapan K. Sarkar	IEEE/Total 17/25	AP/MTT, CPMT, ComSoc/BTS/CES, and EMC Chapters and Department of Electronics (DoE), Carleton University
5) 6 Dec 2012 8:30–10:30 CBY A707, University of Ottawa	Canadian National Capital Region Workshop on Antennas	Wideband and Broadband EBG-resonator Antennas By Prof. Karu Esselle	IEEE/Total 20/45	AP/MTT, CPMT, ComSoc/BTS/CES, and EMC Chapters and School of EECS at uOttawa
6) 6 Dec 2012 10:30–12:00 CBY A707, University of Ottawa	Canadian National Capital Region Workshop on Antennas	Electromagnetic and Antenna Engineering Challenges in Modern Wireless Word By Prof. Karu Esselle	IEEE/Total 20/45	AP/MTT, CPMT, ComSoc/BTS/CES, and EMC Chapters and School of EECS at uOttawa
7) 6 Dec 2012 13:00–14:00 CBY A707, University of Ottawa	Canadian National Capital Region Workshop on Antennas	System-on-Chip and System-on-Package Antenna Design By Prof. Langis Roy	IEEE/Total 20/45	AP/MTT, CPMT, ComSoc/BTS/CES, and EMC Chapters and School of EECS at uOttawa
8) 6 Dec 2012 14:00–14:40 CBY A707, University of Ottawa	Canadian National Capital Region Workshop on Antennas	Antenna Design Using Characteristic Mode Concepts By Dr. Jonathan Ethier	IEEE/Total 20/45	AP/MTT, CPMT, ComSoc/BTS/CES, and EMC Chapters and School of EECS at uOttawa
9) 6 Dec 2012 15:00–15:40 CBY A707, University of Ottawa	Canadian National Capital Region Workshop on Antennas	Reflectarray Antenna Operating Mechanisms By Mr. E'qab Almajali	IEEE/Total 20/45	AP/MTT, CPMT, ComSoc/BTS/CES, and EMC Chapters and School of EECS at uOttawa
10) 6 Dec 2012 15:40–16:20 CBY A707, University of Ottawa	Canadian National Capital Region Workshop on Antennas	Research and Development on Phase Shifting Surface (PSS) Antennas By Dr. Nicolas Gagnon	IEEE/Total 20/45	AP/MTT, CPMT, ComSoc/BTS/CES, and EMC Chapters and School of EECS at uOttawa
11) 19 Mar 2013 18:00–20:00 Board Room Fidus Systems Inc.	IEEE EMC-S (Electromagnetic Society) Distinguished Lecture	Designing for Power Integrity, Status, Challenges, and Opportunities By Prof. Madhavan Swaminathan	IEEE/Total 11/16	AP/MTT, EMC CPMT and CAS Chapters, and Fidus Systems Inc.
12) 2 April 2013 8:30–8:55 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Man-Made Noise Measurements and Electromagnetic Environment By Dr. Qingsheng Zeng	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera Technologies
13) 2 April 2013 8:55–9:25 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Satellite Communications at Frequencies to 100 GHz By Dr. David Rogers	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera Technologies

14) 2 April 2013 9:25–10:10 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Conformal MIMO Effects on Multipath Propagation in Underground Mines By Dr. Mhammad Ghaddar	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Averna Technologies
15) 2 April 2013 10:10–11:10 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Experimental and Theoretical Aspects of Atmospheric Attenuation on Earth- Space Links at Ka- (20/30 GHz) and Q/V- (40/50 GHz) bands By Dr. César Amaya	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Averna Technologies
16) 2 April 2013 11:10–12:10 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Experiments on Propagation in Geospace in the CASSIOPE Small Satellite Mission By Dr. Gordon James	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Averna Technologies
17) 2 April 2013 13:00–14:00 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation and IEEE Vehicle Technology Society (VTS) Distinguished Lecture	Theory, Analysis, Measurements, and Modeling of Temporal and Spatial Variability in the Wideband Characteristics of Urban Mobile Radio Channels By Dr. Robert Bultitude	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Averna Technologies
18) 2 April 2013 14:00–14:30 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Comparative Evaluation of Macrocellular and In- Building Coverage Performance at 700 and 2500 MHz By Dr. Yvo de Jong	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Averna Technologies
19) 2 April 2013 14:45–15:45 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Improve RF System Throughput by Using the Latest Processor, FPGA and Bus Technologies By Tejinder Gill	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Averna Technologies
20) 2 April 2013 15:45–16:45 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Tight Synchronization in Multi-Frequency RF Record and Playback: Validation and Test Results By Iurie Ilie	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Averna Technologies
21) 3 April 2013 14:00–16:00 ME 4124 Carleton University	IEEE Microwave Theory and Techniques Society (MTT-S) Distinguished	Embrace Circuit Nonlinearity to Get Transmitter Linearity and Energy Efficiency By Dr. Earl McCune	IEEE/Total 15/17	AP/MTT, CPMT, ComSoc/BTS/CES, and EMC Chapters and Department of Electronics (DoE),

	Lecture			Carleton University
22) 17 Apr 2013 18:00–20:00 Board Room Fidus Systems Inc.	IEEE EMC-S (Electromagnetic Society) Distinguished Lecture	A practitioners approach to EMC testing with reverberation chambers By Dr. Vignesh Rajamani	IEEE/Total 4/6	AP/MTT and EMC Chapters, and Fidus Systems Inc.
23) 2 May 2013 14:30–16:30 SITE 5084 University of Ottawa	Technical Seminar	Optimum Decision Policy for Gradual Replacement of Conventional Energy Sources by Clean Ones By Ms. Maryam Parsa	IEEE/Total 6/15	AP/MTT, EMC, and DEIS Chapters, and School of EECS at uOttawa
24) 6 May 2013 14:00–16:00 NRC Auditorium	Technical Seminar	High performance terahertz devices for communication and imaging applications By Prof. Dayan Ban	IEEE/Total 5/24	AP/MTT, PHO, ComSoc/BTS/CES, and EMC Chapters and National Research Council (NRC)
25) 3 June 2013 18:00–19:30 Room T129 Algonquin College	IEEE Broadcast Technology Society (BTS) Distinguished Lecture	Source and Channel Rate Allocation Techniques for Digital Video Transmission Application By Prof. Lap-Pui Chau	IEEE/Total 10/16	ComSoc/BTS/CES, AP/MTT, WIE, and SP/OC/GRS, Chapters, and Algonquin College
26) 5 Sept 2013 15:00–17:00 SITE 5084 University of Ottawa	IEEE APS (Antennas and Propagation) Distinguished Lecture	Characterization of Space Shuttle Ascent Debris Based on Radar Scattering and Ballistic Properties – Evolution of the NASA Debris Radar (NDR) System By Dr. Brian M Kent	IEEE/Total 6/12	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, and School of EECS at uOttawa
27) 5 Sept 2013 18:00–20:00 Board Room Fidus Systems Inc.	IEEE EMC-S (Electromagnetic Society) Distinguished Lecture	Physics and Modeling of Vias in Printed Circuit Boards By Prof. Dr. Christian Schuster	IEEE/Total 10/12	AP/MTT, EMC, CAS/EDS/SSC Chapters, and Fidus Systems Inc.
28) 10 Sep 2013 11:10–11:30 CRC Auditorium	Third Canadian Tracking and Fusion Group Workshop	Maximal Length Sequence and Perfect Sequence in UWB Radar Application By Dr. Jing (Jane) He		IEEE Ottawa
29) 10 Sep 2013 18:00–20:00 Room T129 Algonquin College	IEEE ComSoc (Communications Society) Distinguished Lecture	Energy Aware Computer Systems and Networks By Prof. Erol Gelenbe	IEEE/Total 18/28	ComSoc/BTS/CESCS, PES, AP/MTT, EMBS Chapters, Educational Activities, IEEE Canada Eastern Area, Algonquin College
30) 18 Sep 2013 14:00–16:00 ME 4124 Carleton	IEEE Microwave Theory and Techniques Society (MTT-S) Distinguished	Implantable Wireless Medical Devices and Systems By Prof. J. C. Chiao	IEEE/Total 8/18	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, EMBS, VT, and AES Chapters, and Department of

University	Lecture			Electronics (DoE), Carleton University
31)24 Sep 2013 Boardroom Building 94 CRC	Technical Seminar	EMP (HEMP & IEMI): An Overview of Threats and Mitigation Solutions By Sergio N. Longoria	IEEE/Total 6/13	AP/MTT and EMC Chapters
32)25 Sep 2013 18:30–20:00 Room T129 Algonquin College	Technical Seminar	Design Considerations for Consumer Power Supplies By Stefan Mozar	IEEE/Total 19/32	ComSoc/BTS/CES, AP/MTT, EMBS PES, and R/PEL Chapters, Educational Activities, and Algonquin College
33)17 Oct 2013 13:00–14:00 ME 4124 Carleton University	Technical Seminar	Inhomogeneous lenses with focusing and beam scanning capabilities in MM waves By Professors Mohamed Himdi and Olivier Lafond		AP/MTT, and CAS/EDS/SSC Chapters, and Department of Electronics (DoE), Carleton University

Best Practices:

- Sharing experience and learning from other IEEE AP/MTT Chapters through Chapter chairs' meetings at AP/MTT's conferences
- Obtaining funds from AP and MTT Societies to support more activities.
- Joint events organizing with neighbouring chapters like Montreal, Kinston and Toronto AP/MTT Chapters.
- Recruiting new IEEE members in 2013 as part of membership development.
- Assisting members in finding new positions and employers with potential candidates for their recruitments.
- Co-organizing activities with other local chapters, educational institutions, governmental agencies and industrial sectors to have better outreach.
- Giving presentation opportunities to all levels of speakers: graduate students to DLs.

Unique Events:

- The Canadian National Capital Region Workshop on Antennas on December 6, 2012, in which one speaker from Australia and four local speakers gave 45 attendees excellent presentations on their edge research.
- The Canadian National Capital Region Workshop on Wave Propagation on April 2, 2013, which had one IEEE VTS (Vehicle Technology Society) Distinguished Lecturer and other 8 excellent local

speakers both from governmental agencies, industrial sectors and academia, attracted 32 attendees.

Planned events:

- The Canadian Nation Capital Region (NCR) Workshop on Communications and the Olympic Electromagnetics Contest in NCR for November 2013, and co-organizing 2015 IEEE International Symposium on Simulation and Computation in Microwave and Electromagnetics.

CI & SMC – Joint Chapter of Computational Intelligence and Systems, Man and Cybernetics Societies

Chair: Moufid Harb, mharb@ieee.org

Vice Chair: Rafael Falcon, rfalcon@ieee.org

Webmaster: Rami Abielmona, rabiemo@ieee.org

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
April 30th, 2013	Technical Talk:	Analysis of Opinions and Emotions in Texts/ Dr. Diana Inkpen	22/25	No
September 10th, 2013	3Days Workshop: 3 Keynotes, 15 technical presentations, and 3 demos. at the DRDC, Ottawa,	Third Canadian Fusion and Tracking Workshop/ Dr. Tony Ponsford, , Dr. Éloi Bossé, Thia Kirubarajan, Jack Ding, Peter Moo, Edwin Riseborough, Maria Rey, Alain Gosselin, Yongkui Wang, Jing (Jane) He and Qingsheng Zeng, Sutharsan Sivagnanam and Michel Pelletier	15/27	IEEE Canada Area East, Computer, CIS/SMC, AES, SP/OE/GRSS, LM, two CIS and IM

Unique events: Third Canadian Fusion and Tracking Workshop, Ottawa, Canada, September 10, 2013

Proposed events: Fourth Canadian Fusion and Tracking Workshop

CompSoc – Computer Society

Chair: Rami Abielmona, Ph.D., P.Eng., SMIEEE, rabiemo@ieee.org

Vice Chair: Eric Karmouch, Ph.D., ekarmouch@ieee.org

Vice Chair: Dan Ionescu, Dr. Eng., P.Eng., ionescu@site.uottawa.ca

Webmaster: Ricardo Villalobos

Website: <http://www.ieeeottawa.ca/cs>

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
2013-05-28, 10-11AM, University of Ottawa	Technical	Toward Task-independent Imitation Dr. Babak Esfandiari (Network Management & Artificial Intelligence Lab, Carleton University)	7/19	The Joint Chapter of Electron Devices Society, Circuits and Systems Society, and Solid-State Circuits Society & The Joint Chapter of Robotics & Automation, and Control Systems Societies
2013-05-28, 11AM-12PM, University of Ottawa	Technical	Fault Tolerance in Commercial-Off-The Shelf (COTS) Processors Dr. Amir Rajabzadeh (Computer Architecture Research Group, University of Ottawa)	9/19	The Joint Chapter of Electron Devices Society, Circuits and Systems Society, and Solid-State Circuits Society & The Joint Chapter of Robotics & Automation, and Control Systems Societies
2013-09-10 08:00:00 2013-09-11 12:30:00 Ottawa	Technical	Third Canadian Fusion and Tracking Workshop	15/42	IEEE Canada Area East, Computer, CIS/SMC, AES, SP/OE/GRSS, LM, two CIS and IM Task forces
2013-09-10 08:50:00 - 09:50:00 Ottawa	Technical (DL)	Maritime Domain Awareness Dr. Tony Ponsford (Raytheon Canada)	15/42	IEEE Canada Area East, Computer, CIS/SMC, AES, SP/OE/GRSS, LM, two CIS and IM Task forces
2013-09-10 18:00:00 - 20:00:00 Ottawa (Algonquin College)	Technical (DL)	Energy Aware Computer Systems and Networks Professor Erol Gelenbe (Head of Intelligent Systems and Networks Research Group Electrical and Electronic Engineering, Imperial College, London, UK)	18/28	IEEE Ottawa ComSoc/BTS/CESoc, CS, PES, AP/MTT, EMBS, Educational Activities, IEEE Canada Eastern Area, and IEEE Algonquin College Student Branch

Best practices: It was found to be advantageous to advertise early and often for the events. Also, members are quite interested in getting access to the speaker's presentation slides; hence, archiving

them has been a popularly requested feature of our website.

Unique events: The Chapter sponsored the Third Canadian Tracking and Fusion Group Workshop (CTFG Workshop 2013) which was held in Ottawa September 10-11, 2013 (<http://www.ctfg.ca/workshop2013>)

Proposed events: The Chapter is planning on holding 8 talks next year, two of which will be DVPs. The Chapter is again hoping to technically co-sponsor local events and conferences that are in the domain of the Computer Society as they provide a lot of value to our members at large.

ComSoc, BTS, & CES- Joint Chapter of Communications Society, Broadcast Technology Society and Consumer Electronics Society

Chair: Wahab Almuhtadi, almuhtadi@ieee.org

Vice Chair: Claude Brulé, brulec@algonquincollege.com

Secretary: Tony Khoury, tkhoury@ieee.org

Membership Development: Scott Barkley, scott.barkley@sympatico.ca

Website: <http://www.ieeeottawa.ca/comsoc/>

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
28 Oct 2013 18:30–20:00 Room T129 Algonquin College	Technical Seminar	Carrier Ethernet for Cloud Computing	IEEE/Total 17/24	ComSoc/ BTS/CES, IPS, CS, AP/MTT, and R/PEL Chapters, and Algonquin College
25 Sep 2013 18:30–20:00 Room T129 Algonquin College	Technical Seminar President of IEEE Consumer Electronics Society (CESoc)	Design Considerations for Consumer Power Supplies By Stefan Mozar, President of IEEE Consumer Electronics Society (CESoc)	IEEE/Total 19/32	ComSoc/ BTS/CES, AP/MTT, EMBS PES, and R/PEL Chapters, Educational Activities, and Algonquin College
18 Sep 2013 14:00–16:00 ME 4124 Carleton University	IEEE Microwave Theory and Techniques Society (MTT-S) Distinguished Lecture	Implantable Wireless Medical Devices and Systems By Prof. J. C. Chiao	IEEE/Total 8/18	AP/MTT, CPMT, ComSoc/ BTS/CES, EMC, EMBS, VT, and

				AES Cchapters , and Departme nt of Electronic s (DoE), Carleton University
10 Sep 2013 18:00– 20:00 Room T129 Algonquin College	IEEE ComSoc (Communications Society) Distinguished Lecture	Energy Aware Computer Systems and Networks By Prof. Erol Gelenbe	IEEE/Total 18/28	ComSoc/ BTS/CES CS, PES, AP/MTT, EMBS Chapters, Education al Activities, IEEE Canada Eastern Area, Algonquin College
5 Sept 2013 15:00– 17:00 SITE 5084 University of Ottawa	IEEE APS (Antennas and Propagation) Distinguished Lecture	Characterization of Space Shuttle Ascent Debris Based on Radar Scattering and Ballistic Properties – Evolution of the NASA Debris Radar (NDR) System By Dr. Brian M Kent	IEEE/Total 6/12	AP/MTT, CPMT, ComSoc/ BTS/CES, EMC, VT and AES Chapters, and School of EECS at uOttawa
3 June 2013 18:00– 19:30 Room T129 Algonquin College	IEEE Broadcast Technology Society (BTS) Distinguished Lecture	Source and Channel Rate Allocation Techniques for Digital Video Transmission Application By Prof. Lap-Pui Chau	IEEE/Total 10/16	ComSoc/ BTS/CES, AP/MTT, WIE, and SP/OC/G RS, Cchapters , and Algonquin College
3 June 2013 14:30– 16:00 Room T129 Algonquin College	Technical Seminar	VLSI Architectures for Communications and Signal Processing By Dr. Kiran Gunnam	IEEE/Total 15/23	EDS/CAS /SSCS Chapter, IEEE Ottawa Section, Carleton University , IEEE

				Ottawa ComSoc/ BTS/CES Joint Chapter, SP/OEC Joint Chapter, EMBS Chapter, CPMT Chapter and the IEEE Canada Eastern Area
3 June 2013 11:00– 12:30 Room T129 Algonquin College	Technical Seminar	Challenges, Innovation and Entrepreneurship Opportunities in Microelectronics (SSCS-DL) By Dr. Rakesh Kumar	IEEE/Total 16/26	EDS/CAS /SSCS Chapter, IEEE Ottawa Section, Carleton University , IEEE Ottawa ComSoc/ BTS/CES Joint Chapter, SP/OEC Joint Chapter, EMBS Chapter, CPMT Chapter and the IEEE Canada Eastern Area
6 May 2013 14:00– 16:00 NRC Auditorium	Technical Seminar	High performance terahertz devices for communication and imaging applications By Prof. Dayan Ban	IEEE/Total 5/24	AP/MTT, PHO, ComSoc/ BTS/CES, and EMC Chapters and National Research Council (NRC)

25 April 2013 10:00– 12:00 Carleton University	Technical Seminar	Mobile Multihop Networking - A Long Shot beyond Line of Sight By Dr. Dr. Li Li	IEEE/Total 15/17	AP/MTT, CPMT, ComSoc/ BTS/CES, and EMC Cchapters and Departme nt of Electronic s (DoE), Carleton University
3 April 2013 14:00– 16:00 ME 4124 Carleton University	IEEE Microwave Theory and Techniques Society (MTT-S) Distinguished Lecture	Embrace Circuit Nonlinearity to Get Transmitter Linearity and Energy Efficiency By Dr. Earl McCune	IEEE/Total 15/17	AP/MTT, CPMT, ComSoc/ BTS/CES, and EMC Cchapters and Departme nt of Electronic s (DoE), Carleton University
2 April 2013 15:45– 16:45 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Tight Synchronization in Multi-Frequency RF Record and Playback: Validation and Test Results By Iurie Ilie	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/ BTS/CES, EMC, VT and AES Chapters, National Instrumen ts (NI) and Averna Technolo gies
2 April 2013 14:45– 15:45 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Improve RF System Throughput by Using the Latest Processor, FPGA and Bus Technologies By Tejinder Gill	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/ BTS/CES, EMC, VT and AES Chapters, National Instrumen ts (NI) and Averna Technolo gies

2 April 2013 14:00– 14:30 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Comparative Evaluation of Macrocellular and In-Building Coverage Performance at 700 and 2500 MHz By Dr. Yvo de Jong	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/ BTS/CES, EMC, VT and AES Chapters, National Instrumen ts (NI) and Averna Technolo gies
17) 2 April 2013 13:00– 14:00 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation and IEEE Vehicle Technology Society (VTS) Distinguished Lecture	Theory, Analysis, Measurements, and Modeling of Temporal and Spatial Variability in the Wideband Characteristics of Urban Mobile Radio Channels By Dr. Robert Bultitude	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/ BTS/CES, EMC, VT and AES Chapters, National Instrumen ts (NI) and Averna Technolo gies
2 April 2013 11:10– 12:10 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Experiments on Propagation in Geospace in the CASSIOPE Small Satellite Mission By Dr. Gordon James	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/ BTS/CES, EMC, VT and AES Chapters, National Instrumen ts (NI) and Averna Technolo gies
2 April 2013 10:10– 11:10 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Experimental and Theoretical Aspects of Atmospheric Attenuation on Earth- Space Links at Ka- (20/30 GHz) and Q/V- (40/50 GHz) bands By Dr. César Amaya	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/ BTS/CES, EMC, VT and AES Chapters, National Instrumen ts (NI) and Averna

				Technologies
2 April 2013 9:25–10:10 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Conformal MIMO Effects on Multipath Propagation in Underground Mines By Dr. Mhammad Ghaddar	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/ BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera Technologies
2 April 2013 8:55–9:25 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Satellite Communications at Frequencies to 100 GHz By Dr. David Rogers	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/ BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera Technologies
2 April 2013 8:30–8:55 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Man-Made Noise Measurements and Electromagnetic Environment By Dr. Qingsheng Zeng	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/ BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera Technologies
6 Dec 2012 15:40–16:20 CBY A707, University of Ottawa	Canadian National Capital Region Workshop on Antennas	Research and Development on Phase Shifting Surface (PSS) Antennas By Dr. Nicolas Gagnon	IEEE/Total 20/45	AP/MTT, CPMT, ComSoc/ BTS/CES, and EMC Chapters and School of EECS at

				uOttawa
9) 6 Dec 2012 15:00–15:40 CBY A707, University of Ottawa	Canadian National Capital Region Workshop on Antennas	Reflectarray Antenna Operating Mechanisms By Mr. E'qab Almajali	IEEE/Total 20/45	AP/MTT, CPMT, ComSoc/ BTS/CES, and EMC Chapters and School of EECS at uOttawa
8) 6 Dec 2012 14:00–14:40 CBY A707, University of Ottawa	Canadian National Capital Region Workshop on Antennas	Antenna Design Using Characteristic Mode Concepts By Dr. Jonathan Ethier	IEEE/Total 20/45	AP/MTT, CPMT, ComSoc/ BTS/CES, and EMC Chapters and School of EECS at uOttawa
6 Dec 2012 13:00–14:00 CBY A707, University of Ottawa	Canadian National Capital Region Workshop on Antennas	System-on-Chip and System-on-Package Antenna Design By Prof. Langis Roy	IEEE/Total 20/45	AP/MTT, CPMT, ComSoc/ BTS/CES, and EMC Chapters and School of EECS at uOttawa
6 Dec 2012 10:30–12:00 CBY A707, University of Ottawa	Canadian National Capital Region Workshop on Antennas	Electromagnetic and Antenna Engineering Challenges in Modern Wireless Word By Prof. Karu Esselle	IEEE/Total 20/45	AP/MTT, CPMT, ComSoc/ BTS/CES, and EMC Chapters and School of EECS at uOttawa
6 Dec 2012 8:30–10:30 CBY A707, University of Ottawa	Canadian National Capital Region Workshop on Antennas	Wideband and Broadband EBG-resonator Antennas By Prof. Karu Esselle	IEEE/Total 20/45	AP/MTT, CPMT, ComSoc/ BTS/CES, and EMC Chapters and School of EECS at uOttawa

29 Nov 2012 15:35– 17:00 ME 4124 Carleton University	IEEE Antennas and Propagation (APS) Distinguished Lecture	Physics of Multi-antenna Systems and Their Impacts on Wireless Systems By Tapan K. Sarkar	IEEE/Total 17/25	AP/MTT, CPMT, ComSoc/ BTS/CES, and EMC Chapters and Departme nt of Electronic s (DoE), Carleton University
29 Nov 2012 14:00– 15:35 ME 4124 Carleton University	IEEE Antennas and Propagation (APS) Distinguished Lecture	Electromagnetic Macro Modeling of Propagation in Mobile Wireless Communication: Theory and Experiment By Tapan K. Sarkar	IEEE/Total 17/25	AP/MTT, CPMT, ComSoc/ BTS/CES, and EMC Chapters and Departme nt of Electronic s (DoE), Carleton University

Unique events: On May 29, 2013 at the IM 2013 Conference in Ghent, Belgium, the IEEE Ottawa Section and the IEEE Ottawa ComSoc / BTS / CESoc Joint Chapter won the IM conference competition to organize and host the 2015 IFIP/IEEE International Symposium on Integrated Network Management (IM 2015) in Ottawa, Ontario, Canada at the Ottawa Convention Centre on May 11 - May 15, 2015. The IM 2015-Ottawa is expected to attract and bring together the world's industry leaders, scientists, academics, engineering professionals, policy makers, and government officials to the presentations of keynotes, panels, technical papers, workshops, tutorials, and mini-conferences. For participants it promises to stimulate the scientific exchange of ideas, the identification of future trends in communications, and the illumination of business opportunities. The IM series of conferences has been held in odd-numbered years since 1989 (taking turns with its sibling conference NOMS) and has established itself as the main venue for Broad scope covering all advanced aspects of integrated management of networks, services, and data centers, including operational experiences, management technologies, management algorithms, IT practices, cloud optimization and automation, cloud networks management, operations and control of networks, networking services, networked applications, and distributed systems.

Proposed events: The ComSoc / BTS / CESoc Ottawa Joint Chapter will organize several technical meetings, DL seminars, and workshops.

CPMT –Components, Packaging and Manufacturing Technology Society

Chair: Qi-Jun Zhang, qjz@doe.carleton.ca

Activity Type (Tech Meeting, Workshop, DL, etc)	Title/Speaker or Workshop Name	Attendance IEEE Society/ IEEE/Total	Joint Activity Sponsors
Nov 5, 2012 University of Ottawa	Technical meeting	Design, Analysis and Applications of Waveguide-FED Slot Antennas, by Dr. Sembiam R. Rengarajan of California State University	7/12
Nov 29, 2012, Carleton University	Technical meeting	Electromagnetic macro modeling of propagation in mobile wireless communications: theory and experiment, by Dr. Tapan K. Sarkar of Syracuse University	16/24
Dec 6, 2012, University of Ottawa	Workshop	Canadian National Capital Region Workshop on Recent Progress in Antenna Analysis and Design for Wireless Communications	18/42
March 19, 2013, Carleton University	Technical meeting	Designing for Power Integrity, Status, Challenges, and Opportunities, by Professor Madhavan Swaminathan of Georgia Institute of Technology	11/15
Aug 14, 2013, Carleton University	Technical meeting	Challenges, Innovation and Entrepreneurship Opportunities in Microelectronics (SSCS-DL), by Dr. Rakesh	10/26

		Kumar, of TCX Technology Connexions	
Sep 3, 2013, Carleton University	Technical meeting	VLSI Architectures for Communications and Signal Processing, by Kiran Gunnam of Violin Memory	15/22

DEIS – Joint Ottawa-Montreal Chapter of Dielectrics and Electrical Insulation Society

Chair: Mahmoud Abou-Dakka, mahmoud.abou-dakka@nrc-cnrc.gc.ca

Vice Chair: Dr Eric David

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
2-May-2013 2:30 pm to 4:30 pm University of Ottawa	Technical meeting	Optimum Decision Policy for Gradual Replacement of Conventional Energy Sources by Clean Ones /Maryam Parsa	5/12	DEIS AP/MTT EMC EECS
9-Sep-2013 1:30 pm to 2:30 pm NRC/Ottawa	Technical meeting	Development of Silicone Rubber Housing Composites for DC Outdoor Insulation/Refat Ghunem	13/26	DEIS PES and The NRC

EDS, CAS, & SSCS – Joint Chapter of Electron Devices Society, Circuits and Systems Society, and Solid-State Circuits Society

Chair: Ram Achar, achar@doe.carleton.ca

Vice Chair: Dr. Ihsan Erdin, erdinih@gmail.com

Website: www.doe.carleton.ca/~achar

The CASS/EDS/SSC joint chapter of Ottawa has been active in organizing and promoting the events/activities of importance to the Ottawa IEEE members. During the last 12 months, it arranged a total of 18 Technical Talks (10 individual Seminars and 8 invited talks from experts around the globe via the first edition of IEEE International Workshop on High-Performance Chip, Package and Systems (HPCPS-2012) during the period of Oct. 15, 2012 – Oct. 1 2013 (out of which 4 seminars were DLs).

Typical attendance for the talks ranged between 10 to 50 or higher. In addition, one CASS administrative meeting and several additional meetings with the student volunteers were held.

Following is a list of major talks arranged by the chapter (apart from the regular meetings of members) during the last one year (Oct. 29 2011 – Oct. 19 2012).

#	Date/Place	Activity Type	Title/Speaker	Attendance IEEE/Guests	IEEE Society/ Joint Sponsors
1	Oct. 19 2012 (Carleton University)	Technical	Green RFID : An Enabling Technology Towards the Internet of Things (IoT) world	16/18	CASS/EDS/SSC, Joint with AP/MTT, EMC Carleton Uni.
2	Nov. 24 2012 (Carleton University)	Technical	High-Speed Signal Integrity Issues and Challenges (HPCPS-2012 Invited Talk)	28/51	CASS/EDS/SSC, Joint with Section, LM, Carleton Uni.
3	Nov. 24 2012 (Carleton University)	Technical	Interconnects, Signal and power Integrity “2012 An Industry Practitioner’s Insights (HPCPS-2012 Invited Talk)	28/51	CASS/EDS/SSC, Joint with Section, LM, Carleton University
4	Nov. 24 2012 (Carleton University)	Technical	Keynote Speech: “Inductance Influence in High-Speed Designs and Evolution of PEEC (HPCPS-2012 Keynote Talk)	28/51	CASS/EDS/SSC, Joint with Section, LM, Carleton Uni.
5	Nov. 24 2012 (Carleton University)	Technical	Interconnects and Process Variations in Nano-scale Designs (HPCPS-2012 - Keynote Talk - II)	28/51	CASS/EDS/SSC, Joint with Section, LM, Carleton Uni.
6	Nov. 24 2012 (Carleton University)	Technical	Next Plateau of Circuit Simulation “What the Analog Designers can look forward to?” (HPCPS-2012 Invited Talk)	28/51	CASS/EDS/SSC, Joint with Section, LM, Carleton Uni.
7	Nov. 24 2012 (Carleton University)	Technical	Emerging Mixed Optical and Electrical Environment Design and Analysis Methods (HPCPS-2012 Invited Talk)	28/51	CASS/EDS/SSC, Joint with Section, LM, Carleton Uni.
8	Nov. 24 2012 (Carleton University)	Technical	Fundamentals of Macromodeling for Mixed-Domain Designs (HPCPS-2012 Invited Talk)	28/51	CASS/EDS/SSC, Joint with Section, LM, Carleton Uni.
9	Nov. 24 2012 (Carleton University)	Technical EDS-DL	High-Performance Computing in Nano-electronics (HPCPS-2012 Invited Talk)	28/51	CASS/EDS/SSC, Joint with Section, LM, Carleton Uni.
10	Feb. 8 2012 (Carleton University)	Technical	Positive-Feedback Modelling of Magnetic Hysteresis for Engineers - Part I: Theory	8/12	CASS/EDS/SSC, Joint with CPMT, Carleton Uni.
11	Feb. 15	Technical	Positive-Feedback Modelling	9/14	CASS/EDS/SSC,

	2013 (Carleton University)		of Magnetic Hysteresis for Engineers - Part II: Applications		Joint with CPMT, Carleton Uni.
12	Oct. 3, 2013 (Fidus Systems)	Technical	Designing for Power Integrity, Status, Challenges, and Opportunities	11/16	EMC, Joint with CASS/EDS/SSC, and AP/MTT
13	Apr. 30 2013 (Ottawa Convention Center)	Technical (DL)	Signal Processing Society Distinguished Lecture: Defying Nyquist in Analog to Digital Convertors	40/40	EMBS, Joint with CASS/EDS/SSC, Section, SP/OE,GRS
14	May 28 2013 (SITE, U of Ottawa)	Technical	Toward Task-independent Imitation	12/19	C, Joint with CASS/EDS/SSC, CS/RA
15	May 28 2013 (SITE, U of Ottawa)	Technical	Fault Tolerance in Commercial-Off-The Shelf (COTS) Processors	10/19	C, Joint with CASS/EDS/SSC, CS/RA
16	Aug. 14 2013 (Carleton University)	Technical (SSCS-DL)	Challenges, Innovation and Entrepreneurship Opportunities in Microelectronics	16/26	CASS/EDS/SSC, Joint with Section, CPMT, EMBS,SP/GP/OR S, LM, WiE, Carleton Uni.
17	Sept. 3 2013 (Carleton University)	Technical (SSCS-DL)	VLSI Architectures for Communications and Signal Processing	15/22	CASS/EDS/SSC, Joint with Section, CPMT, EMBS, Carleton Uni.
18	Sept. 5 2013 (Fidus Systems)	Technical (DL)	Physics and Modeling of Vias in Printed Circuit Boards	11/16	EMC, Joint with CASS/EDS/SSC, and AP/MTT
19	Feb. 15 (Carleton University)	Administrative	IEEE Ottawa CAS/EDS/SSCS Officers Meeting	2/2	CASS/EDS/SSC
20	2013 (May – Oct)	Administrative	IEEE Ottawa CAS/EDS/SSCS Officers with Students for Mentoring, to discuss and execute the preparations for HPCPS-2013 (6 meetings were held during May 2013 - Oct. 2013)	2/10	CASS/EDS/SSC

Best practices: The chapter recognizes the importance of engaging its members, attracting new members, providing high-quality forums for technical/professional interactions, the need for attracting students into the IEEE activities as well as appropriately mentoring them; and accordingly bases its activities.

Apart from arranging high-quality technical seminars regularly, the chapter also conceptualized and launched an International Workshop, IEEE International Workshop on High-Performance Chip, Package

and Systems (HPCPS). Necessary funding for this event was raised through several avenues. Event was highly successful with eight invited speakers and attendees coming from across Canada and USA. This workshop is now planned to be arranged as an annual conference; preparations for 2013 edition is fully underway.

One of the main efforts of the chapter is to attract/engage student members. As part of this effort, 25 Free Registrations (each registration having a value of \$100) were given to students of the Ottawa region, enabling them to attend the HPCPS-2012 and to encourage them to join/participate/volunteer in IEEE activities. Same is planned for the year 2013. Also a student volunteer team (with 10 students) has been formed to prepare for the HPCPS-2013, which regularly meets. It has already created a professional-quality website (www.hpcps.org) and is also in the process of designing a registration system. 4 Free IEEE and SSCS student memberships were given to the volunteering students of the chapter by the IEEE Solid State Circuits Society.

Proposed events: A second edition of the IEEE International Workshop on High-Performance Chip, Package and systems (HPCP-2013) will be held on Nov. 16th 2013. It will be a full-day event with 8 invited speakers coming from USA/Europe. This year too, 25 Free Registrations (a value of \$100 each) are planned to be given to the students of the Ottawa Region, enabling them to attend the HPCPS-2013 and to encourage them to join/participate/volunteer in IEEE activities. Also a student volunteer team (with 10 students) has been formed to prepare for the HPCPS-2013, which regularly meets. It has already created a professional-quality website (www.hpcps.org) and is also in the process of designing a registration system, The program details are given below.

HPCPS-2013, Nov. 16, 2013	
Welcome Remarks	General Chair
Keynote Speech – I Devices, Circuits, Packages and Systems Understanding their Interplay for Managing Signal, Power and Thermal Integrity	Prof. Madhavan Swaminathan Director, Interconnect and Packaging Center, School of ECE, GeorgiaTech, Atlanta, GA, USA
Stochastic based parametric modeling for High-Speed Designs	Prof. Luca Daniel, Dept. of ECE, MIT, Cambridge, USA
Coffee/Refreshments Break; Networking	Coffee/Refreshments Break; Networking
Fundamentals and Advances in High-Speed Serial Links and SERDES design	Dr. Wendem Beyne Rambus Inc., San Jose, USA
CASS Distinguished Lecture: Technology Scaling and its Impact on Analog Design	Prof. Franco Malboreti University of Pavia, Italy
Lunch; Networking	Lunch; Networking
Keynote Speech – II Verification in Power Distribution Networks	Prof. Farid Najm Chair, Department of ECE, University of Toronto, Toronto, Canada
CASS Distinguished Lecture: Breaking the 3D power delivery walls using voltage stacking	Prof. Mercia Stan University of Virginia

	Charlottesville, VA, USA
Coffee/Refreshments Break; Networking	Coffee/Refreshments Break; Networking
Fundamentals and Advances Modeling and Analysis of High-Speed circuits and Systems Using Neural Networks	Prof. Q. J. Zhang, Dept. of Electronics, Carleton University, Ottawa
Parallel Computing for EDA with emphasis on high-speed Designs	Prof. Dipanjan Gope, Indian Institute of Science (IISc.), Bangalore, India
Concluding Remarks	General Chair

EMC – Electromagnetic Compatibility Society

Chair: Syed Bokhari, bokhari@ieee.org

Vice Chair: Vice Chair, Qiubo Ye, qiubo.ye@crc.gc.ca

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
March 19, 2013, 6-8PM, Fidus Systems, 35 Fitzgerald Road, Suite 400, Ottawa, ON, K2H 1E6	DL presentation-	Designing for Power Integrity, Status, Challenges, and Opportunities/ Professor Madhavan Swaminathan	11/16	IEEE AP/MTT chapter, IEEE CAS/EDS/SSCS chapter
April 17, 2013, 6-8PM, Fidus Systems, 35 Fitzgerald Road, Suite 400, Ottawa, ON, K2H 1E6	Technical presentation .	A practitioners approach to EMC testing with reverberation chambers/Dr. Vignesh Rajamani	4/6	IEEE AP/MTT chapter
September 5, 2013, 6-8PM, Fidus Systems, 35 Fitzgerald Road, Suite 400, Ottawa,	Technical Presentation	Physics and Modeling of Vias in Printed Circuit Boards / Prof. Dr. Christian Schuster	10/12	IEEE AP/MTT chapter, IEEE CAS/EDS/SSCS chapter

ON,K2H 1E6				
March 19, 2013, 6- 8PM, Fidus Systems, 35 Fitzgerald Road, Suite 400, Ottawa, ON,K2H 1E6	DL presentation-	Designing for Power Integrity, Status, Challenges, and Opportunities/ Professor Madhavan Swaminathan	11/16	IEEE AP/MTT chapter, IEEE CAS/EDS/SSCS chapter

EMBS – Engineering in Medicine and Biology Society

Chair: Sreeraman Rajan, Ph.D. SMIEEE, sreeraman@ieee.org

Vice-Chair: Yuu Ono, Ph.D. SMIEEE, yuuono@sce.carleton.ca

Secretary: James Green, Ph.D. SMIEEE, jrgreen@sce.carleton.ca

Webmaster: Adrian Chan, Ph.D. SMIEEE, adcchan@sce.carleton.ca

Website: <http://www.ieeeottawa.ca/embs/>

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
14/11/2012 15:30-17:00 Carleton Univ	Technical	Digital signal processing for hearing aids/ Dr. Jim Ryan	10/34	Nil
21/11/2012 16:30-17:30 Carleton Univ	Technical	Robotics and Rehabilitation/ Dr. Mojtaba Ahmadi	8/34	Nil
28/12/2012 16:00-17:30 Carleton Univ	Technical	EEG Spike Sorting/ Dr. Rajeev Yadav	11/29	Nil
25/03/2013 14:30-15:30, Carleton Univ	Technical	Pattern Recognition for Myoelectric Signals and an Introduction to the Centre for Excellence in Signal and Image Processing at the University of Strathclyde/ Mr. Paul McCool	6/21	Nil

30/04/2013 18:00-19:00 Ottawa Convention Center	Technical/Signal Processing Society Distinguished Lecture	Defying Nyquist in Analog to Digital Convertors/Prof. Yonina Eldar	40/40	SP,OE,GRS Joint chapters
14/08/2013 11:00-12:00 Carleton Univ	Technical/Solid State Circuits and Systems Society Distinguished Lecture	Challenges, Innovation and Entrepreneurship Opportunities in Microelectronics/ Dr. Rakesh Kumar	10/26	Department of Electronics, Carleton University and the IEEE Ottawa Section, and its Chapters: SSCS/ EDS/CASS Joint Chapter, ComSoc/BTS/CES Joint Chapter, EMBS Chapter, CPMT Chapter, R-PEL Joint Chapter, SP, OE & GRS Joint chapter, IMS Chapter, PES Chapter, TM, PCS & SSIT Joint Chapter, CI & SMC Joint Chapter as well its affinity groups: AICN, LM, WiE and GOLD and the IEEE Canada Eastern Area
03/09/2013	Technical/ Solid State Circuits and Systems Society Distinguished Lecture	VLSI Architectures for Communications and Signal Processing	15/22	EDS/CAS/SSCS Chapter, IEEE Ottawa Section, Carleton University, ComSoc/BTS/CES Joint Chapter, SP/OEC Joint Chapter, EMBS Chapter, CPMT Chapter and the IEEE Canada Eastern Area
10/09/2013 18:30-20:00 Algonquin College	Technical/Communications Society Distinguished Lecture	Energy Aware Computer Systems and Networks/ Dr. Erol Gelenbe	18/28	IEEE Ottawa Section, IEEE Communications Society, Broadcast Technology Society, and Consumer Electronics Society Ottawa Joint Chapter (ComSoc/BTS/CESoc), IEEE Computer Society Ottawa Chapter (CS), IEEE Power and Energy Society Ottawa Chapter (PES), IEEE Antennas and Propagation Society & Microwave Theory and

				Techniques Society Ottawa Joint Chapter (AP/MTT), Engineering in Medicine and Biology Society Ottawa Chapter (EMBS), IEEE Educational Activities, IEEE Canada Eastern Area, and IEEE Algonquin College Student Branch
18/09/2013 14:00-16:00 Carleton Univ	Technical/ Microwave Theory and Techniques Society Distinguished Lecture	Implantable Wireless Medical Devices and Systems/ Prof. J.C.Chiao	8/18	IEEE Ottawa Antennas and Propagation Society and Microwave Theory & Techniques Society (AP/MTT) Joint Chapter, Electromagnetic Compatibility (EMC) Chapter, Components, Packaging and Manufacturing Technology (CPMT) Chapter, Communications Society, Broadcast Technology Society, and Consumer Electronics Society (ComSoc/BTS/CES) Joint Chapter, Engineering Medicine and Biology (EMB) Chapter, Vehicular Technology (VT) Chapter, Aerospace and Electronic Systems (AES) Chapter, IEEE Ottawa Section (OS), and Department of Electronics at Carleton University (DoE Carleton)
25/09/2013 18:30-20:00 Algonquin College	Technical	Design Considerations for Consumer Power Supplies/ Mr. Stefan Mozar	19/32	IEEE Ottawa Section, IEEE Communications Society, Broadcast Technology Society, and Consumer Electronics Society Ottawa Joint Chapter (ComSoc/BTS/CESoc), Power and Energy Society Ottawa

				Chapter (PES), Reliability Society & Power Electronics Society Ottawa Joint Chapter (R/PEL), Engineering in Medicine and Biology Society Ottawa Chapter (EMBS), Antennas and Propagation Society & Microwave Theory and Techniques Society Ottawa Joint Chapter (AP/MTT), IEEE Educational Activities, and IEEE Algonquin College Student Branch
10/10/2013 15:00-16:00 Carleton Univ	Technical	Pharmaceutical Aerosol Research at Carleton University/Prof. Edgar Matida	3/21	Nil
17/10/2013 15:00-16:00 Carleton Univ	Technical	Total Hip Replacements: Failure, Retrieval and In Vitro Assessment of Strength, Durability and Distraction/ Prof. Michel Nganbe		Nil
24/10/2103 15:30-16:30 Carleton Univ	Technical	Opportunities for Collaboration with Algonquin College in Medical Devices and Technology	1/24	Nil

Unique events: The CU@EMBS student club held six events in the past year, ranging from technical events (student mini-conference) to networking events (Networking and Career Information Night; How To Network Seminar), to purely social events (CU@EMBS Summer BBQ). These events were well attended with a total of 153 guests and 56 members attending.

Proposed events: 12 technical talks of which at least 3-5 talks would be out-of-town. Budget is sought for out-of-town speakers (accommodation for a night: \$600, meals+local travel: 200). 2 DLs will be held (Need written commitment from the Section for \$1000 each so that the Society can match), a IEEE Ottawa WIE-EMBS Workshop will be conducted (need written commitment from the Section for \$1000 so that Society can match). Chapter proposes to hold a WARM Symposium (budget will be presented to

the Section Officers early next year. Patronage from the Section for \$500 will be sought) The CU@EMBS Club requests to have a budget of at least \$250 for its programs.

IMS – Instrumentation and Measurement Society

Chair: Voicu Groza, vgroza@ieee.org

Vice Chair: Branislav Djokic, branislav@ieee.org

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/ Total	Joint Activity Sponsors
21/12/2012 18:00	DL: The seminar covered: Power System Introduction and Power System Modeling, Fundamental Principles of Protective Relaying, Reliability, Communication Assisted Scheme	Meliha B. Selak : Seminar on Power System Line Protection	21	PES
17/01/2013 17:30	Tech Meeting: overview of how Hydro Québec integrated different instrumentation and measurement equipment in order to increase the reliability and accuracy of their results.	Emmanuel Côté: Seminar on Acceptance and efficiency testing of newly installed hydro generators	23	PES, RS&PEL, Educational Activities
04/05/2013 8:00	Workshop included: Sensors for medical systems, Biosignal processing, Imaging and	IEEE International Symposium on Medical Measurements and Applications (MeMeA 2013)	75	IMS

	communication, Measurement and quality control in medical preparations, Standards for medical applications, Environmental Medicine			
14/08/2013 11:00	Tech Meeting	Challenges, Innovation and Entrepreneurship Opportunities in Microelectronics (SSCS□DL)	26	EDS/CAS/SSC ComSoc/BTS/ CES, EMBS, CPMT, R-PEL, SP, OE & GRS, PES, TM, PCS

Unique events: The IEEE International Symposium on Medical Measurements and Applications MeMeA 2013 was the eighth edition of a successful international series of scientific meetings in the field of measurements in medicine and health care. Over the years, this event has developed into one of the most important communication forums for the community of researchers in medical measurements. Physiological measurements and Biosignal processing remained the most preferred topics for the researchers' presentations this year, with an emphasis on Testing and Calibration. The number of papers increased over the years, along with rising exigency of the selection procedure. After a rigorous reviewing process, 73 papers have been accepted for publication. The 306 authors of the selected contributions are from universities, industry, government, NGO or medical research centers from 20 countries in North and South America, Europe, and Asia.

Photonics Society Chapter (PH036)

Chair: Dr. Kexing Liu, kexing.liu@ieee.org

Vice Chair: Dr. Jianping Yao, jpyao@site.uOttawa.ca

Treasurer: Dr. John Bernard, John.Bernard@nrc-cnrc.gc.ca

Secretary: Dr. Winnie Ye, winnie_ye@carleton.ca

Senior Past-Chairman: John Alcock, john.alcock@nrc-cnrc.gc.ca

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
Mar 6, 2013 Algonquin College	Seminar on Tax Efficient Business	Presenter: Matt Pearson, Ph.D., Senior Manager & Ottawa Leader, SR&ED and Business Incentives, Ernst & Young Canada	2/3/7	ACIN / TMC/SSIT/PCS / Algonquin Student Branch / OPC

Mar 15, 2013 NRC M-50	Mar 15, 2013 IEEE Photonics Society Ottawa Chapter Symposium on Recent Advances in Photonics	Program 8:30am Registration and Networking 9:00am Opening Introduction 9:10am Featured Educational Program: Prof. Christopher W. Smelser, Carleton University, Canada, "Photonics and Laser Technology: a joint undergraduate program between Carleton University and Algonquin College" 9:30am Invited Speaker: Prof Pierre Berini, University of Ottawa, Canada, "Surface Plasmons Photonics" 10:15am Coffee Break 10:45am Featured Local Enterprise: Dr Rick Clayton, Annidis International, Ottawa, Canada, "Annidis - creating a revolution in retinal care" 11:05am IEEE PS Distinguished Lecturer: Dr Andrew D. Ellis, Aston University, UK, "Ultra High Capacity Optical Transmission Systems" 11:50pm Closing Remark, Announcements, and Door Prizes	18/26/55	NRC / OPC / OPRA
May 6, 2013 NRC M-50	May 6, 2013 IEEE Ottawa Multi-Chapter Seminar	High performance terahertz devices for communication and imaging applications by Dr. Dayan Ban Department of Electrical and Computer Engineering Waterloo Institute for Nanotechnology University of Waterloo, Waterloo, ON, Canada	4/5/24	AP/MTT Joint Chapter/ EMC Chapter/ Ottawa Section/ NRC
Jun 3-5, 2013 OCC	Jun 3-5, 2013 Photonics North 2013	Photonics North is an annual international conference based in Canada open to all participants. It offers the forum and opportunity to share and exchange views and ideas about scientific and research discoveries and market needs. The program will include the participation of a stellar group of invited researchers representing the latest	41/68/429	Photonics North, CPIC, RPQ, INO, COPL

		worldwide trends in photonic research and industry. PHO36 Ottawa Chapter is a key organizer and technical sponsor of the conference. http://www.photonicsnorth.com/		
Jun 28, 2013 Algonquin College	IEEE Ottawa Multi-Entity Workshop	Introduction to Agile Speaker Ellen Grove	3/10/ 25	IEEE Ottawa AICN; TMC/PCS/SSIT Joint Chapter
2013-07-02	Chapter Executive Planning Meeting	Chapter Chair	4	N/A

Unique events: Co-organizer and technical Sponsor of an international conference – Photonics North 2013 as reported above Organized 2013 IEEE Ottawa Photonics Student Paper Competition, awards will be given at the section AGM Helped to establish the IEEE uOttawa Student Branch Photonics Chapter

PES – Power and Energy Society

Chair: Wahab Almuhtadi, almuhtadi@ieee.org

Vice Chair: Branislav Djokic, branislav@ieee.org

Membership Development: Scott Barkley, scott.barkley@sympatico.ca

Website: <http://www.ewh.ieee.org/soc/pes/ottawa/>

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
25 Sep 2013 18:30–20:00 Room T129 Algonquin College	Technical Seminar President of IEEE Consumer Electronics Society (CESoc)	Design Considerations for Consumer Power Supplies By Stefan Mozar, President of IEEE Consumer Electronics Society (CESoc)	IEEE/Total 19/32	ComSoc/B TS/CES, AP/MTT, EMBS PES, and R/PEL Chapters, Educational Activities, and Algonquin College
10 Sep 2013 18:00–20:00 Room T129 Algonquin College	IEEE ComSoc (Communications Society) Distinguished Lecture	Energy Aware Computer Systems and Networks By Prof. Erol Gelenbe	IEEE/Total 18/28	ComSoc/B TS/CESCS, PES, AP/MTT, EMBS Chapters, Educational Activities, IEEE Canada Eastern

				Area, Algonquin College
9 Sept 2013 13:30– 14:30 NRC	Technical Seminar	Development of Silicone Rubber Housing Composites for DC Outdoor Insulation By Refat Atef Ghunem	IEEE/Total 9/20	Joint IEEE Ottawa- Montreal Section DEIS Chapter, IEEE RS/PELS Ottawa Joint Chapter, IEEE PES Chapters Ottawa Chapter and EPM of MSS/NRC
3 June 2013 11:00– 12:30 Room T129 Algonquin College	Technical Seminar	Challenges, Innovation and Entrepreneurship Opportunities in Microelectronics (SSCS-DL) By Dr. Rakesh Kumar	IEEE/Total 16/26	EDS/CAS/S SCS Chapter, IEEE Ottawa Section, IEEE Ottawa ComSoc/B TS/CES Joint Chapter, SP/OEC Joint Chapter, PES Chapter, EMBS Chapter, CPMT Chapter and the IEEE Canada Eastern Area, and Carleton University,
7 January 2013 17:30– 20:00 Room T129	Technical Seminar	Acceptance and efficiency testing of newly installed hydro generators	IEEE/Total 8/22	IEEE Ottawa PES, IMS, and RS&PEL Chapters,

Algonquin College				Ottawa Educational Activities, and Algonquin College IEEE Student Branch
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Awards: IEEE PES Ottawa Chapter was the winner of 2012 PES High Performing Chapter Program (HPCP) award and 2nd place for 2013 IEEE PES Chapters Web Site Contest.

Unique events: The by IEEE Canada, the IEEE Canadian Atlantic Section organized and host the IEEE Canada Electrical Power & Energy Conference 2013 (EPC2013). The IEEE PES Ottawa Chapter was technical cosponsor for EPEC 2013 Convention Centre on 21-23 August, 2013 in Halifax, Nova Scotia, Canada, The EPEC 2013 theme was "Innovative Leadership for Renewable Energy"

Proposed events: The IEEE PES Ottawa Chapter will organize several technical meetings, DL seminars, and workshops.

RAS & CSS – Joint Chapter of Robotics & Automation, and Control Systems Societies

Chair: Jurek Sasiadek, jsas@ccs.carleton.ca

Vice Chair: Marek Zaremba, Marek.Zaremba@uqo.ca

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
10/04/2013	Technical Meeting	Capture and control of an uncooperative spacecraft	13/5 = 18	No
28/05/2013	Technical Meeting	Toward Task-independent Imitation	12/7 = 19	Yes
28/05/2013	Technical Meeting	Fault Tolerance in Commercial-Off-The Shelf (COTS) Processors	10/9 = 19	Yes
		Conflict resolution for		

9/09/2013	Technical Meeting	multivehicle systems	116/8 = 24	No
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R-PEL – Reliability Society & Power Electronics Society Joint Ottawa Chapter (R-PEL)

Chair: Raed Abdullah, RaedAbdullah@ieee.org

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
28 Oct 2013 18:30–20:00 Room T129 Algonquin College	Technical Seminar	Carrier Ethernet for Cloud Computing	IEEE/Total 17/24	ComSoc/BTS/CES, IPS, CS, AP/MTT, and RS/PELS Chapters, and Algonquin College
25 Sep 2013 18:30–20:00 Room T129 Algonquin College	Technical Seminar President of IEEE Consumer Electronics Society (CESoc)	Design Considerations for Consumer Power Supplies By Stefan Mozar, President of IEEE Consumer Electronics Society (CESoc)	IEEE/Total 19/32	ComSoc/BTS/CES, AP/MTT, EMBS PES, and RS/PELS Chapters, Educational Activities, and Algonquin College
10 Sep 2013 18:00–20:00 Room T129 Algonquin College	IEEE ComSoc (Communications Society) Distinguished Lecture	Energy Aware Computer Systems and Networks By Prof. Erol Gelenbe	IEEE/Total 18/28	ComSoc/BTS/CESCS, PES, AP/MTT, EMBS Chapters, Educational Activities, IEEE Canada Eastern Area, Algonquin College
9 Sept 2013 13:30–14:30 NRC	Technical Seminar	Development of Silicone Rubber Housing Composites for DC Outdoor Insulation By Refat Atef Ghunem	IEEE/Total 9/20	Joint IEEE Ottawa-Montreal Section DEIS Chapter, IEEE RS/PELS Ottawa Joint Chapter, IEEE PES Chapters Ottawa Chapter and EPM of MSS/NRC
7 January 2013 17:30–20:00 Room T129 Algonquin College	Technical Seminar	Acceptance and efficiency testing of newly installed hydro generators	IEEE/Total 8/22	IEEE Ottawa PES, IMS, and RS/PELS Chapters, Ottawa Educational Activities, and Algonquin College IEEE Student Branch

21 Dec 2012 18:00–20:00 Room T129 Algonquin College	Technical Seminar	Power System Line Protection By Meliha Selak,	IEEE/Total 15/17	IEEE Ottawa PES, IMS, and RS/PELS Chapters, Ottawa Educational Activities, and Algonquin College IEEE Student Branch
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Best practices: joint meetings with other chapter with similar interests. Supporting affinity and special groups such Humanitarian Initiative Committee. Supporting IEEE RadarCon 2013.

Unique events: The by IEEE Canada, the IEEE Canadian Atlantic Section organized and host the IEEE Canada Electrical Power & Energy Conference 2013 (EPC2013). The IEEE RS/PELS Ottawa Joint Chapter was technical cosponsor for EPEC 2013 Convention Centre on 21-23 August, 2013 in Halifax, Nova Scotia, Canada, The EPEC 2013 theme was "Innovative Leadership for Renewable Energy"

Proposed events: The IEEE RS/PELS Ottawa Chapter will organize several technical meetings, DL seminars, and workshops.

SP, OE, & GRS – Joint Chapter of Signal Processing, Oceanic Engineering, and Geoscience and Remote Sensing

Chair: Yifeng Zhou, yifeng.zhou@crc.gc.ca

Vice Chair: Jun Li, jun.li@crc.gc.ca

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
April 5, 2013, Carleton University	Seminar by Dr. B. Rong on network coding	Network Coding in Wired and Wireless Networks: Concepts, Principles and Advances	10 members and 11 guests	
April 25, 2013, University of Ottawa	Seminar presented by Dr. Li on multiple hop mobile networking	Mobile Multihop Networking - A Long Shot beyond Line of Sight	13 member and 8 guests	WIE, ComSoc/BTS/CES
April 30, 2013, Ottawa Convention Centre, Ottawa	IEEE Signal Processing Distinguished Lecture by Dr. Y. Eldar.	Defying Nyquist in Analog to Digital Convertors	40 Members	IEEE Ottawa EMBS Chapter, IEEE Ottawa Joint Chapter of Electron Devices Society, Circuit and Systems Society and Solid Circuit Society.
May 03, 2013, Carleton University	Technical seminar by Dr. Y. Zhang	Multi-Beam Antennas in Ad Hoc and Cooperative Networks	16 Members And 12 guests	
June 3,	Technical seminar	Source and Channel Rate	10	IEEE Ottawa

2013, Algonquin Collage, Ottawa	by Dr. Lap-Pui Chau on digital video transmission applications.	Allocation Techniques for Digital Video Transmission Application	Members 16 guests	ComSoc/BTS/CES, AP/MTT, WIE and Algonquin Collage Student Branch
Aug. 14, 2013, Carleton University, Ottawa	Seminar by Dr. R. Kumar on challenges, innovation and entrepreneurship opportunities in microelectronics.	Challenges, Innovation and Entrepreneurship Opportunities in Microelectronics	NA	IEEE Ottawa SSCS/EDS/CASS, ComSoc/BTS/CES, EMBS, CPMT, R/PEL, IMS, PES, TM, PCS&SSIT, CI&SMC,
September 10-11, 2013, DRDC, Ottawa	Workshop where Canadian researchers and practitioners working on target tracking and	The Second Canadian Tracking and Fusion Group Workshop held in Ottawa, Canada	10 Members And 30 guests	DRDC, IEEE Ottawa, <u>AESS</u> , <u>CIS</u> , <u>CS</u>

Unique events: From September 10-11, 2013, the IEEE Ottawa SP/OE/GRS co-organized the Second Canadian Tracking and Fusion Group Workshop held in Ottawa, Canada.

Proposed events: Technical Seminar by Prof. S. Mahmoud on design of modern engineering curriculum, titled " The Design of Modern Engineering Curriculum: Outcome-based Learning "

TM, PCS, & SSIT – Joint Chapter of the Technical Management Council, Professional Communications Society, and Society on Social Implications of Technology

Chair: Alfredo Herrera, alfredo.herrera@ieee.org

Vice Chair: Barbara Waruszynski, b.waruszynski@sympatico.ca

Vice Chair: Wahib Thabet, wthabet@gmail.com

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
Feb 6, 2013	Tech Meeting	Complex project management: a system's thinking approach by Bobyn	35/60	AICN/PCS/SSIT/TMC
May 21, 2013	Tech Meeting	Global Systems of Systems by Paul E. Gartz	19/19	AICN/PCS/SSIT/TMC
May 28, 2013 Algonquin College	Tech Meeting	Introductions to Lean Agile Development by Ellen Grove	12/18	AICN/PCS/SSIT/TMC
August 14, 2013	Tech Meeting	Challenges, Innovation and Entrepreneurship Opportunities in	16/26	AICN/PCS/SSIT/TMC

		Microelectronics		
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Proposed events:

- Project Management presentations and hands-on workshop
- Debaters' challenge on Project Management Paradigms
- Project Management and communications planning
- Project risk management
- Systems Engineering and Project Management
- Triple Helix Collaboration: Discussions with Government, Industry and Academia

VTS – Vehicular Technology Society

Chair: Hugh Reekie, h.reekie@ieee.org

Vice-Chair: Barry Pekilis, barry.pekilis@ieee.org

Secretary: Bhagvat Joshi, bjoshi@ieee.org

Website: <http://www3.bell.net/max-com/ottawa.vts.html>

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
5th October 2012	Technical Presentation (DL) Speaker: – Andrea Mariscotti, Genoa, Italy	Interference within Modern Railway Systems		
24th October, 2012	Technical Presentation Speaker: Neville Miller	The O3B Satcom System - "Connecting to the Other 3 Billion"		
27th March 2013	Technical Presentation Speaker: Andy Gryc	QNX's View of Automotive Infotainment	40+	AESS
12) 2 April 2013 8:30–8:55 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Man-Made Noise Measurements and Electromagnetic Environment By Dr. Qingsheng Zeng	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera Technologies
13) 2 April	Canadian National	Satellite	IEEE/Total	AP/MTT, CPMT,

2013 8:55–9:25 CRC Auditorium	Capital Region Workshop on Wave Propagation	Communications at Frequencies to 100 GHz By Dr. David Rogers	10/32	ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera Technologies
14) 2 April 2013 9:25–10:10 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Conformal MIMO Effects on Multipath Propagation in Underground Mines By Dr. Mhammad Ghaddar	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera Technologies
15) 2 April 2013 10:10–11:10 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Experimental and Theoretical Aspects of Atmospheric Attenuation on Earth- Space Links at Ka- (20/30 GHz) and Q/V- (40/50 GHz) bands By Dr. César Amaya	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera Technologies
16) 2 April 2013 11:10–12:10 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Experiments on Propagation in Geospace in the CASSIOPE Small Satellite Mission By Dr. Gordon James	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera Technologies
17) 2 April 2013 13:00–14:00 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation and IEEE Vehicle Technology Society (VTS) Distinguished Lecture	Theory, Analysis, Measurements, and Modeling of Temporal and Spatial Variability in the Wideband Characteristics of Urban Mobile Radio Channels By Dr. Robert Bultitude	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera Technologies
18) 2 April 2013 14:00–14:30 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Comparative Evaluation of Macrocellular and In- Building Coverage Performance at 700 and 2500 MHz By Dr. Yvo de Jong	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera Technologies
19) 2 April 2013 14:45–15:45 CRC Auditorium	Canadian National Capital Region Workshop on Wave Propagation	Improve RF System Throughput by Using the Latest Processor, FPGA and Bus Technologies By Tejinder Gill	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES Chapters, National Instruments (NI) and Avera Technologies
20) 2 April 2013 15:45–16:45	Canadian National Capital Region Workshop on Wave	Tight Synchronization in Multi-Frequency RF Record and Playback:	IEEE/Total 10/32	AP/MTT, CPMT, ComSoc/BTS/CES, EMC, VT and AES

CRC Auditorium	Propagation	Validation and Test Results By Iurie Ilie		Chapters, National Instruments (NI) and Avera Technologies
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Recommended best practices include:

- Wide range of topics, understandable to all graduates
- Arrange wide publicity; provide ppt files to all requests; seek co-sponsorship where appropriate; DL if possible

Proposed events for next year include:

- At least one field trip is contemplated. Many meetings are held at the Crowsnest, Naval Officer's Mess, Lisgar St. – a convivial location, easy to get to. The Chapter is always on the lookout for more helpers with assistance. Any interested VTS Society member in Ottawa, who has the time, is asked to contact any of the three officers

Affinity Groups

AICN – Alliance of IEEE Consultant Network

Chair: Bhagvat Joshi, bjoshi@ieee.org

Chair: Mike Bourassa, majb2008@gmail.com

Website: <http://www.ieeeottawa.ca/aicn/about/>

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
May 28 2013 Algonquin College 7:00 PM	An Introduction to Lean-Agile Development. Overview of Agile, Scrum, Lean techniques to help Consultants and others to understand the key aspects of these topics. This was an interactive session by an expert practitioner in the field	"An Introduction to Lean-Agile Development" Ellen Grove – Agile Coach and Trainer	12/18	IEEE Ottawa Photonics, TMC/PCS/SSIT
Feb 6 2012: RCAF Mess Ottawa 7:00	Tech Meeting Topics covered:	Complex Project Management: A	35/60	IEEE Ottawa Photonics,

PM	What is Project Complexity?; Project Management Approaches; Systems Thinking Approach; Importance of Context and Environment; Boundaries Considerations; Complexity Symptoms; Organizational Impacts	Systems Thinking Approach Stephen Bobyn, Deputy Project Manager, DND Canada		TMC/PCS/SSIT IET, PEO
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Proposed events:

- Workshop on tax, liability and other issues relevant to those who wish to practice as consultants (March 2014; Ottawa; \$ 300 for room and refreshments)
- Presentation on small cells and how this is changing the world of wireless communications
- Presentation on application of biomedical sensors

GOLD – Graduates of the Last Decade

Chair: Laura Mutu, laura.mutu@ieee.org

Vice Chair: Lubna Rasheed, lubnarasheed@ieee.org

Treasurer: Usman Mushtaq, umushtaq@ieee.org

Website: <http://www.ieeeottawa.ca/gold>

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
Saturday, 31 August 2013, 6pm, The 3 Brewers	Social Meeting	Mosaika Evening	11/13	
Wednesday, Aug. 14, 2013, MC2014, Carleton University	Technical Meeting	Challenges, Innovation and Entrepreneurship Opportunities in Microelectronics by Dr. Rakesh Kumar		The Department of Electronics, Carleton University and the IEEE Ottawa Section, and its Chapters: SSCS/EDS/CASS Joint Chapter,

				ComSoc/BTS/CES Joint Chapter, EMBS Chapter, CPMT Chapter, R-PEL Joint Chapter, SP, OE & GRS Joint chapter, IMS Chapter, PES Chapter, TM, PCS & SSIT Joint Chapter, CI & SMC Joint Chapter as well its affinity groups: AICN, LM, WiE and GOLD and the IEEE Canada Eastern Area
Thursday, August 15th, 2013, Mooney's bay 2926 Riverside Drive	Social	IEEE Ottawa Student Branches and GOLD BBQ	20/22	IEEE Ottawa Student Branches
Tuesday May 21, 2013, 9:00 am - 11:00am, University of Ottawa, SITE Building, Room 5084	Distinguished Lecture	IEEE Distinguished Lecturer Canada Area East Tour		TMC/PCS/SSIT Joint Chapter and the GOLD and AICN Affinity Groups
Thursday, February 21, 2013, The Tea Party Cafe 119 York St.	Social	IEEE Ottawa GOLD Board Games Evening	9/9	
7pm, Friday, October 19, 2012 – 7pm, Saturday, October 20, 2012, Carleton University	Technical	IEEE Xtreme	7/7	IEEE Carleton University Student Branch

Unique events: Mosaika Evening, IEEE Ottawa Student Branches and GOLD BBQ, IEEE Distinguished Lecturer Canada Area East Tour, IEEE Ottawa GOLD Board Games Evening, IEEE Xtreme

LM – Life Member

Chair: Sreeraman Rajan, Sreeraman@ieee.org

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
24/11/2012	Workshop. This workshop has 8 talks and ran for the whole day	International IEEE Workshop on High Speed Performance Chip, Package and Systems	28/51	CASS/SSCS/EDS Joint Chapter, Department of Carleton University, IEEE Ottawa Section, Affinity group: LM and the IEEE Canada Eastern Area
14/08/2013 11:00-12:00 Carleton Univ	Technical/Solid State Circuits and Systems Society Distinguished Lecture	Challenges, Innovation and Entrepreneurship Opportunities in Microelectronics/ Dr. Rakesh Kumar	10/26	Department of Electronics, Carleton University and the IEEE Ottawa Section, and its Chapters: SSCS/EDS/CASS Joint Chapter, ComSoc/BTS/CES Joint Chapter, EMBS Chapter, CPMT Chapter, R-PEL Joint Chapter, SP, OE & GRS Joint chapter, IMS Chapter, PES Chapter, TM, PCS & SSIT Joint Chapter, CI & SMC Joint Chapter as well its affinity groups: AICN, LM, WiE and GOLD and the IEEE Canada Eastern Area
10/9/2013	Workshop. This	Third Canadian	15/42	IEEE Canada

8:00-17:30 11/9/2013 8:00-12:30 CRC Auditorium 8:00-	was a 1.5 days workshop and had 2 sessions each day. Total of 15 talks, 1 panel discussion and 3 demos	Fusion and Tracking Workshop		Area East, Computer, CIS/SMC, AES, SP/OE/GRSS, LM, two CIS and IM task forces
10/9/2013 CRC Auditorium 8:50-9:50	Distinguished Lecture:	Maritime Domain Awareness/ Dr. Tony Ponsford	15/42	IEEE Canada Area East, Computer, CIS/SMC, AES, SP/OE/GRSS, LM, two CIS and IM task forces

WIE – Women in Engineering

Chair: Winnie Ye, Winnie_ye@carleton.ca

Vice Chair: Melike Erol-Kantarci

Webmaster: Shengrong Bu

Webmaster: Anna Nikitina

Website: <http://www.ieeeottawa.ca/wie/index.html>

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
Nov 20, 2012, 2:30-4:30pm Room 214, Residence Commons, Carleton University, Ottawa, K1S5B6	Joint Public Seminar	Prof. Marco Liscidini Department of Physics, University of Pavia, Via Bassi 6, Pavia, ITALY Prof. Winnie Ye Dept Electronics, Carleton University	25	IEEE Women in Engineering (WIE) Ottawa Chapter IEEE Photonics Society Ottawa Chapter, IEEE ComSoc, BTS and CES Ottawa Joint Chapter, IEEE Canada Area East, IEEE Ottawa Section Gold, and Carleton University SPIE Student Chapter
September 3, 2013, TIME: 6:30 pm – 8:00 pm.	Joint Public Seminar	The Design of Modern Engineering Curriculum: Outcome-based Learning/ Professor Samy	?	The IEEE Ottawa Section, and its Chapters: ComSoc/BTS/CESoc Joint Chapter, PES Chapter, CS Chapter, R/PEL Joint

		Mahmoud		Chapter, EMBS Chapter, IMS Chapter, APP/MTT Joint Chapter, IPS Chapter, RAS/CSS Joint Chapter, EDS/CAS/SSCS Joint Chapter, and CPMT Chapter, along with IEEE Ottawa Educational Activities, IEEE Ottawa Women in Engineering, and IEEE Canada Eastern Area
April 25, 2013 TIME: Seminar: 10:00 am – 12:00 pm, A0150, School of Electrical Engineering and Computer Science, University of Ottawa, 800 King Edward Ave., Ottawa Ontario K1N 6N5	Joint Public Seminar	Mobile Multihop Networking - A Long Shot beyond Line of Sight / Dr. Li Li, Communications Research Centre (CRC)	21	The IEEE Ottawa Women in Engineering (WIE), the IEEE Ottawa Signal Processing, Oceanic Engineering, and Geoscience and Remote Sensing Joint Chapter (SP/OC/GRS), the IEEE Ottawa Communications Society, Broadcast Technology Society, and Consumer Electronics Society (ComSoc / BTS / CES) Joint Chapter

Proposed events: The WIE Ottawa Chapter plans to hold a welcome networking event next year in March. More details to come. The WIE Ottawa Chapter plans to work with the Student WIE Chapter and work on a “Zumba WIE Fitness event” in November 2013.

Student Branches

Algonquin College

Chair: Brett Tylor, brett.tylor@ieee.org

Vice Chair: Dmitry Klishch, klis0004@algonquinlive.com

Secretary: Daren Redhead

Treasurer: Steven Kovacic

Faculty Advisor: Abdul Al-Azzawi, Ph.D., IEEE SM

Advisor: Wahab Almuhtadi, Ph.D., P.Eng. IEEE SM

VP Academic: Claude Brulé, B. Eng, MSc., CD

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
DATE: Tuesday, September 3, 2013. TIME: 6:30 pm – 8:00 pm. PLACE: Algonquin College, 1385 Woodroffe Ave., P-Building, Room P303.	Technical Presentation	The Design of Modern Engineering Curriculum: Outcome-based Learning Professor Samy Mahmoud, PhD., P.Eng. Chancellor, University of Sharjah, Sharjah, UAE Professor Emeritus of Systems and Computer Engineering, Carleton University, Ottawa, Canada	Unknown	
Sep. 10, 2013, 6:30 p.m. – 8:00 p.m., Algonquin College	Technical Meeting, DL Seminar	Energy Aware Computer Systems and Networks, by Dr. Erol Gelenbe, Imperial College, London, UK, CS DL	18/28	PES, CS, ComS/BTS/CES, and AP & MTT Chapters
25 Sep 2013 18:30–20:00 Room T129 Algonquin College	Technical Seminar President of IEEE Consumer Electronics Society (CESoc)	Design Considerations for Consumer Power Supplies By Stefan Mozar, President of IEEE Consumer Electronics Society (CESoc)	IEEE/Total 19/32	ComSoc/BTS/CES, AP/MTT, EMBS PES, and RS/PELS Chapters, Educational Activities,
28 Oct 2013 18:30–20:00 Room T129 Algonquin College	Technical Seminar	Carrier Ethernet for Cloud Computing	IEEE/Total 17/24	ComSoc/BTS/CES, IPS, CS, AP/MTT, and RS/PELS Chapters
Date & Time: Thursday, March 15,	Non-technical Presentation	IEEE Student Professional Awareness	Unknown	uOttawa and Carleton Student Branches

2011, 6:00 PM - 10:30 PM Location: Westin Ottawa, Ottawa, ON., Canada		Conference SPAC 2013		
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Unique events:

- IEEE Algonquin College Student Branch Meeting, Tuesday, January 8, 2013, to recruit new members.
- IEEE Algonquin College Student Branch Meeting, Thursday, January 10, 2013, to recruit new members
- IEEE Algonquin College Student Branch Meeting, Thursday, January 17, 2013, to recruit new members.
- IEEE Algonquin College Student Branch Meeting, Tuesday, January 22, 2013, to recruit new members
- IEEE Algonquin College Student Branch Meeting, Thursday, January 24, 2013, with staff and Student to arrange student activities and recruit new staff and Student members.
- IEEE Algonquin College Student Branch Meeting, Thursday, January 31, 2013, to recruit new members.
- IEEE Algonquin College Student Branch Meeting, Thursday, March 7, 2013, Branch meeting.
- IEEE Algonquin College Student Branch First Meeting, Wednesday, September 25, 2013 Section Election. Complete the section members of the Section and new members. The total IEEE Algonquin College Student Branch is 20 members. This is the highest section number so far.
- IEEE Algonquin College Student Branch Meeting, Wednesday, October 2, at 5:30pm in T129, to discuss the section activities for the coming months.
- IEEE Algonquin College Student Branch Open House to recruit new members, October 9, 2013, in ACCE building (CA), from 10:00 a.m. to 3:00 p.m., Algonquin College.
- This year, IEEE Algonquin College Student Branch has the highest number of members ever reported.
- IEEE Algonquin College Student Branch participated in many volunteer positions in many IEEE Ottawa Section Activities.
- IEEE Algonquin College Student Branch hosting many IEEE Ottawa Section Workshops in Algonquin College.
- Attended all IEEE Ottawa Section Executives.
- Brett Tylor, IEEE Algonquin College Student Branch, attended IEEE Student Congress in Mississauga, Ontario
- Dmitry Klishch, IEEE Algonquin College Student Branch, attends IEEE GHTC 2013 in San Jose, California, USA.
- Participated in all IEEE Ottawa Section Activities.
- Attended IEEE Ottawa Section GM.

Carleton University

Chair: Fadi Fares, chair@ieee.carleton.ca

Vice-Chair: Daniel Li, vicechair@ieee.carleton.ca

Secretary: Mohamed Abdelazez, secretary@ieee.carleton.ca

Treasurer: Hasith Vidanamadura, treasurer@ieee.carleton.ca

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
December 3rd – Carleton University	Competition	ELEC 3509 Analog Competition	15	
December 3rd – Carleton University	Competition	ELEC 3500 Digital Competition	10	
January – Ciena	Company Tour	Ciena Tour	20	Ciena
February – Carleton University	Workshop	Lab Introduction Workshop	6	
March 25th – Carleton University	Workshop	Accessibility and Technology	10	Carleton READ Initiative
March 14th , 2013 – Westin	Job Fair	SPAC	150	Multiple Companies
March 31st – Hard Rock Cafe	Job Fair	WIE Wine and Cheese	50	Multiple Companies
March 16th – Carleton University	Competition	Debugging and Design Competition	13	
December 5th – Carleton University	Competition	ELEC 3500 Digital Competition	8	

Awards and recognitions:

- First position at IEEE website competition
- Second position at IEEE Canada website competition
- Outstanding Branch Counselor and Advisor – Prof. Plett

Unique Events:

- SPAC
- WIE Wine & Cheese
- Battle Royale

- ELEC 3509 Analog Competition
- ELEC 3500 Digital Competition

Proposed Events:

- ELEC 3509 Analog Competition - December 2013
- ELEC 3500 Digital Competition - December 2013
- Website Workshop – November 2013
- Code Jam – Winter term
- Hydro Ottawa Tour – January 2014
- Chiproork & Tech insight – January 2014
- Electronics introduction workshop – January 2014
- Microcontroller Workshop – January 2014
- Battle Royal – February 2014
- Papers Competition – March 2014
- SPAC – March 2014
- WIE Wine & Cheese – March 2014

University of Ottawa

Chair: Samira El-Rayyes, chair@ieeeuottawa.ca

Vice Chair: Mohammed Chamma

Treasurer: Deborah Paul

Webmaster: Trung Do

Website: [http:// www.ieeeuottawa.ca/](http://www.ieeeuottawa.ca/)

Other Roles:

- VP Academic Affairs: Rana Khalil
- VP Communications: Md Rizwanul Haque
- VP External Affairs: Janac Meenachisundaram
- VP Social Affairs: Jyritt French
- VP Internal Affairs: David Le
- McNaughton Centre Director: Mark Tamer
- Secretary: Maryam AlShehab
- IE Affinity Group:
 - WIE Chair: Stephanie Zeidan
 - WIE VP Academic Affairs: Tia Tom Erdimi
 - WIE VP External Affairs: Max Housany
- Photonics Student Chapter:
 - Photonics Chair: Fanqi Kong
 - Photonics Vice-Chair: Weifeng Zhang

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendan ce IEEE/Tota	Joint Activity Sponsors
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November 3-4 2012, Norm Fenn Gym, CarletonU	The student branch's annual 25-hour LAN computer gaming competition, this year achieving status of Ottawa's Largest LAN Party.	Battle Royale VI	25 / 256	IEEE CarletonU SB, Algonquin College SB
February 16-17 2013, SITE Bldg , uOttawa	The student branch's first organized coding competition, lasting 24 hours.	Robocode	5 / 30	none
March 14 2013, Westin Hotel	The student branch's annual banquet and networking event featuring two keynote speeches and a career fair.	IEEE Student Professional Awareness Conference (SPAC)	30 / 150	IEEE CarletonU SB, Algonquin SB
March 21 2013, Hard Rock Café	The student branch's annual semi-formal networking event supporting women in engineering.	IEEE WIE Wine and Cheese	' 10 / 60	IEEE CarletonU SB (WIE)
April 5 2013, SITE Bldg, uOttawa	The student branch's annual AGM to conclude outgoing executives' terms and introduce the incoming executives.	AGM	15 / 25	none
April 27 2013, Montpetit Bldg, uOttawa	A conference focused on everything WordPress	WordCamp	15 / 200	Ottawa WordPres s Goup
May 25 2013, Longfields-Davidson Heights Secondary School	The 11 th annual robotics competition brought engineering awareness to students in grades 5 to 12 by presenting a fun and instructive approach to problem solving.	Ottawa Robotics Competition	0 / 97	IEEE Ottawa Section
October 1 2013, SITE Bldg, uOttawa	An open house to invite students to visit the McNaughton Centre and learn more about IEEE and the student branch.	Open House	10 / 50	none

Unique Events:

- Battle Royale
- IEEE Student Professional Awareness Conference (SPAC)

Proposed Events:

- IEEE Student Professional Awareness Conference (SPAC) – March 2014
 - The student branch's annual banquet and networking event
 - About \$16,700 in expenses, and \$17,800 in revenues. Usually receive \$500 in support from Ottawa Section.
- Battle Royale VII – February 2014
 - The student branch's annual 25-hour LAN computer gaming competition

- About \$9,900 in expense

IEEE Ottawa Section Executive 2013

The current IEEE Ottawa Section executive officers are as follows:

- Chair: Dr. Rami Abielmona, SMIEEE, P.Eng. - rabiemo@ieee.org
- Vice-Chair: Mrs. Janet Davis, SMIEEE – janet.davis@ieee.org
- Treasurer: Mr. Jeffrey Arcand - jeffrey.arcand@ieee.org
- Secretary: Dr. Eric Karmouch – ekarmouch@ieee.org
- Past Chair: Dr. Sreeraman Rajan, SMIEEE - sreeraman@ieee.org

A complete list of the Ottawa Section officers follows at the end of this report.

IEEE Ottawa Section Elections for 2014

The Section officers proposed by the Nomination and Appointments Committee for the Ottawa Section Executive in 2014:

- Chair: Dr. Rami Abielmona, SMIEEE, P.Eng. - rabiemo@ieee.org
- Vice-Chair: Mrs. Janet Davis, SMIEEE – janet.davis@ieee.org
- Treasurer: Ms. Anissa Shaddy - anissa@ieee.org
- Secretary: Dr. Eric Karmouch – ekarmouch@ieee.org
- Past Chair: Dr. Sreeraman Rajan, SMIEEE – sreeraman@ieee.org

Other nominations supported by a petition of at least 10 IEEE Ottawa full members are welcome too, and should be sent to the Nominations and Appointments Committee Chair Raed Abdullah raedabdullah@ieee.org no later than Oct. 10, 2013.

Voting will take place after presentation of the candidates at the Annual General Meeting. The results will be announced at the Annual General Meeting.

List of 2013 Executive

Name	Title	Email
Executive		
Rami Abielmona	Chair	rabiemo@ieee.org
Janet Davis	Vice Chair	janet.davis@windriver.com
Eric Karmouch	Secretary	ekarmouch@ieee.org
Jeffrey Arcand	Treasurer	jeffrey.arcand@ieee.org
Sreeraman Rajan	Past Chair	sreeraman@ieee.org
Committees		
Annual General Meeting (AGM) Planning		
Janet Davis	Chair	janet.davis@windriver.com
Awards		
Wahab Almuhtadi	Chair	almuhtadi@ieee.org
Raed Abdullah		raedabdullah@ieee.org
Bylaws		
Branislav Djokic	Chair	branislav@ieee.org
Kexing Liu		Kexing.liu@ieee.org
Communications / Publications		
Ahmad Abdo	Chair	ahmad.abdo@gmail.com
Alya Othman	Editor	alyaothman@gmail.com
Educational Activities (EA)		
Branislav Djokic	Chair	branislav@ieee.org
Engineers in Transition Activities (EiT)		
Chadi Wansa	Chair	cwansa@yahoo.com
Bruce Yu	Vice Chair	bruce.yu.gn@ieee.org
IEEE Canada Humanitarian Technology Ad-hoc Committee		
Priya Sundararajan	Chair	golusupriya@yahoo.com
Membership Development (MD)		
Anissa Shaddy	Chair	anissa@ieee.org
Nominations and Appointments		
Sreeraman Rajan	Chair	sreeraman@ieee.org
Wahab Almuhtadi		almuhtadi@ieee.org
Branislav Djokic		branislav@ieee.org
John Grefford		Grefford@ieee.org
Tom Lavrisa		lavrisa@ieee.org

Raed Abdullah		raedabdullah@ieee.org
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Robotics Competition

Alawi Assaggaf	Chair	assaggaf@ieee.org
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Teacher In-Service Program (TISP)

Janet Davis	Chair	janet.davis@windriver.com
Wolfram Lunscher	Vice Chair	wlunscher@gmail.com

Senior Membership

Sreeraman Rajan	Chair	sreeraman@ieee.org
Chen Wu	Vice Chair	wuchen888@ieee.org

Chapters

AESS - Aerospace and Electronic Systems Society

Hugh Reekie	Chair	h.reekie@ieee.org
Tony Ponsford	Vice Chair	tons_ponsford@raytheon.com

AP/MTT - Microwaves/Antennas/Propagation Society

Qingsheng Zeng	Chair	qingsheng.zeng@crc.gc.ca
Yuming Tao	Secretary	

CI & SMC

Moufid Harb	Chair	moufidh@gmail.com
Rafael Falcon	Vice Chair	rfalcon@ieee.org
Julio Valdes	Vice Chair	Julio.Valdes@nrc-cnrc.gc.ca

CompSoc - Computer Society

Rami Abielmona	Chair	rabiemo@ieee.org
Eric Karmouch	Vice Chair	ekarmouch@ieee.org
Dan Ionescu	Vice Chair	ionescu@site.uottawa.ca

ComSoc, BTS & CES

Wahab Almuhtadi	Chair	almuhtadi@ieee.org
Claude Brulé	Vice Chair	brulec@algonquincollege.com

CPMT - Components, Packaging and Manufacturing Technology Society

Qi-Jun Zhang	Chair	gjz@doe.carleton.ca
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DEIS - Joint Ottawa-Montreal Chapter of Dielectrics and Electrical Insulation Society

Mahmoud Abou-Dakka	Chair	mahmoud.abou-dakka@nrc.ca
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EDS, CAS, & SSCS

Ram Achar	Chair	achar@doe.carleton.ca
Ihsan Erdin	Vice Chair	ierdin@ieee.org
Sreedhar Natarajan	Vice Chair	sn@ieee.org

EMC - Electromagnetic Compatibility Society

Syed Bokhari	Chair	bokhari@ieee.org
Qiubo Ye	Vice Chair	qiubo.ye@crc.ca

EMBS - Engineering in Medicine and Biology Society

Sreeraman Rajan	Chair	sreeraman@ieee.org
Yuu Ono	Vice Chair	yuuono@sce.carleton.ca
James Green	Secretary	jrgreen@sce.carleton.ca
Mohammed Elbadri	Treasurer	melbadri@ieee.org
Sankua Chao	Carleton Chair	chaos@sce.carleton.ca

IMS - Instrumentation and Measurement Society

Voicu Groza	Chair	vgroza@ieee.org
Branislav Djokic	Vice Chair	branislav@ieee.org

LEOS - Photonics Society

Kexing Liu	Chair	kexing.liu@ieee.org
Jianping Yao	Vice Chair	jpyao@site.uOttawa.ca
John Bernard	Treasurer	John.Bernard@nrc-cnrc.gc.ca
Winnie Ye	Secretary	winnie_ye@carleton.ca
John Alcock	Past Chair	John.Alcock@nrc-cnrc.gc.ca

PES - Power and Energy Society

Wahab Almuhtadi	Chair	almuhtadi@ieee.org
Branislav Djokic	Vice Chair	
Carl Kropp	Secretary	kropcarl@aol.com
Raed Abdullah	Treasurer	raedabdullah@ieee.org

RAS & CSS - Joint Chapter of Robotics & Automation, and Control Systems Societies

Jurek Sasiadek	Chair	jsas@connect.carleton.ca
Marek Zaremba	Vice Chair	Marek.Zaremba@uqo.ca

R-PEL - Reliability Society & Power Electronics Society Joint Ottawa Chapter (R-PEL)

Raed Abdullah	Chair	raedabdullah@ieee.org
Kasim Rashid	Vice Chair	ajel_kasim@ieee.org

SP, OE, & GRS

Yifeng Zhou	Chair	yifeng.zhou@ieee.org
Jun Li	Vice Chair	jun.li@crc.ca

TM, PCS, & SSIT

Alfredo Herrera	Chair	alfredo.herrera@ieee.org
Barbara Waruszynski	Vice Chair SSIT	b.waruszynski@sympatico.ca
Wahib Thabet	Vice Chair TM	wthabet@gmail.com

VTS - Vehicular Technology Society

Hugh Reekie	Chair	h.reekie@ieee.org
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Barry Pekilis	Vice Chair	
Bhagvat Joshi	Secretary	bjoshi@ieee.org

Affinity Groups

AICN - Alliance of IEEE Consultant Network

Bhagvat Joshi	Chair	bjoshi@ieee.org
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GOLD - Graduates of the Last Decade

Laura Mutu	Chair	lauramutu@ieee.org
Usman Mushtaq	Treasurer	umushtaq@ieee.org
Lubna Rasheed	Vice Chair	lubnarasheed@ieee.org

LM - Life Member

David Coll	Chair	dccoll@ieee.org
John Wilson	Vice Chair	jamwilso@allstream.net

WIE - Women in Engineering

Winnie Ye	Chair	winnie_ye@carleton.ca
Melike Erol Kantarci	Vice Chair	melike.erolkantarci@uottawa.ca
Stephanie Zeidan	uOttawa Chair	wie-chair@ieeeuottawa.ca

Student Branches

Algonquin College

Brett Tylor	Chair	brett.tylor@ieee.org
Dmitry Klishch	Vice Chair	klis0004@algonquinlive.com
Daren Redhead	Secretary	
Steven Kovacic	Treasurer	
Abdul Al-azzawi	Faculty Advisor	alazaa@algonquincollege.com
Brett Tylor	Observing	Brett_tylor@ieee.org
Phil Gumley	Observing	Phillip_gumley@carleton.ca

Carleton University

Fadi Fares	Chair	chair@ieee.carleton.ca
Daniel Li	Vice Chair	vicechair@ieee.carleton.ca
Mohamed Abdelazez	Secretary	secretary@ieee.carleton.ca
Hasith Vidanamadura	Treasurer	treasurer@ieee.carleton.ca
Amente Bexele	Comp. Soc. Chair	amente.bexele@ieee.carleton.ca
Farham Khan	Branch Mentor	
Calvin Plett	Faculty Advisor	cp@doe.carleton.ca

University of Ottawa

Samira El-Rayyes	Chair	chair@ieeeuottawa.ca
Mohammed Chamma	Vice Chair	vice-chair@ieeeuottawa.ca
Deborah Paul	Treasurer	treasurer@ieeeuottawa.ca
Stephanie Zeidan	WIE Chair	wie-chair@ieeeuottawa.ca

Shervin Shirmohammadi

Faculty Advisor

shervin@site.uottawa.ca