



IEEE Ottawa Section Report to the Annual General Meeting 2014

October 10, 2014

**IEEE****Ottawa
Section**

IEEE Ottawa Section Report to the Annual General Meeting 2014

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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 is its biennial Section Retreat which was held on September 18th, 2014 at Ciena. The Section's Strategic Planning Committee (SPCom) coordinated and organized the entire event which was used to review some key strategic issues and questions based on our Section's vision, mission, core values/operating principles and goals. A SWOT (Strengths, Weaknesses, Opportunities and Threats) analysis was used to determine our planning goals and priorities. The event was extremely well attended with over 30 officers participating with a report being drafted by the SPCom and presented at the latest Section meeting and will be presented, in short form, at the AGM.

As part of our **membership-related activities**, the Ottawa Section has actively reached out to schools through our IEEE Day Activities and Ottawa Robotics Competition (ORC) activities. For example, the Ottawa Section will be involved in running an open house at its University of Ottawa Student Branch on IEEE Day; the branch plans to celebrate IEEE Day (October 7th) by inviting the students of the University of Ottawa to an Open House where students stop by the McNaughton Centre and learn more about the IEEE and what we do for the students. The 12th Annual IEEE Ottawa Robotics Competition was held on May 24th, 2014 at Longfields Davidson Heights Secondary School, Barrhaven, Ottawa. We had our highest number of schools participating at this year's competition at 51! There were 5 challenges this year: Sumo, Da Vinci, Drag Race, King of the Hill and Hockey v2.0. We had over 250 participants and 400 at the event this year with 5 out of 7 patrons showing up to the competition day (Ross Video, RobotShop, University of Ottawa, Carleton University and Spectrum Nasco). This year, the team held an open house, introduced the EV3 kits, revised the Hockey Challenge and had over 40 volunteers the day of the competition.

The Ottawa Section actively participated in various tours that were coming through the city. First, the Ottawa Section actively participated in the Communications Society (ComSoc) DL Eastern Area Tour which was held from August 16 to 24, 2014 across Ottawa, Kingston, Fredericton, Halifax and St. John's. On August 18, 2014, Prof. Asatani Kolchi (ComSoc Distinguished Lecturer) visited Ottawa and provided the local attendees a talk entitled "Trends and Issues of FTTH and G-PON" which was co-sponsored by the IPS Chapter, Computer Society Chapter, AP/MTT Chapter, RS/PELS Joint Chapter and the Algonquin College Student Branch. Second, Dr. Bhaskar Rao, Professor, Department of Electrical and Computer Engineering, University of California, San Diego, a Signal Processing Society DL, conducted an Eastern Area Canada Tour, covering Toronto, Ottawa, Montreal and Quebec City. On September 10th, 2014, he

gave a DL talk at the University of Ottawa on “Bayesian Method for Sparse Signal Recovery”. This was well attended by 60 guests of whom 10 were IEEE members. 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 21st, 2014 at the RA Centre to network with local industries. Mrs. Julia Elvidge and Dr. Hamad Jahani 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. IEEE Ottawa Section was a gold sponsor at this event. Some senior members participated in the event and there was a membership drive as well. Patrons included 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 besides IEEE Ottawa Section.

Additionally, the Section has actively reached out to various entities through its Membership Development booth (held at the major conference sites) and sponsored attendance of the Engineering Institute of Canada’s (EIC) annual gala and other professional organizational annual gatherings. In addition this year, Section’s Congress was held on Sep 22-24 in Amsterdam and three Ottawa Section volunteers attended on behalf of the Section while another attended on behalf of CLE. Everyone attended many Learning Lab and Ignite sessions, networked with many different Sections around the world, learned and interfaced with many IEEE departments, including IEEE Press, IEEE JobSite, IEEE Mentor Program, IEEE Standards Association, IEEE MGA, IEEE.tv, IEEE Computer, Consumer Electronics and AP/MTT Societies, discussed with IEEE officials the idea of bringing events and large conferences to Ottawa, attended a leadership training seminar on Thursday evening organized by MGA and drove one of the 5 recommendations that came out of SC’14.

As part of our **visibility-related activities**, the Ottawa Section was a financial and technical co-sponsor of the very successful 2014 IEEE International Humanitarian Technology Conference (IHTC) which was held in Montreal from June 1-4, 2014. There were 116 submissions with 76 papers delivered at the conference. There was a good diversity of plenary speakers while 3 workshops were held on “Humanitarian Open Street Map”, “Community Engagement Workshop” and “Showcase of Topics for the Post-Conference Competition Kick-Off”. There were 5 exhibitors and 5 patrons which allowed for a great variety throughout the event. The conference was deemed a great organizational, technological and logistical and was recognized as such by many of the local and international dignitaries that strolled through the conference. The Region recognized this success and decided to award IHTC 2015 to Ottawa who tremendously helped in the organization and execution of this excellent conference.

The Section also supported the Fourth Canadian Track and Fusion Group (CTFG) Workshop in Ottawa, the Third International Workshop on High-Performance Chip, Package and Systems (HPCPS 2014), the

Algonquin College and University of Ottawa Research Days and the IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications (CIVEMSA 2014). The Section has been involved in bringing over 5 conferences and workshops in 2014 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 12 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. IHTC 2014 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.

In other highly visible news, the IEEE Ottawa Section was the recipient of the 2014 R7 Exemplary Large Section Award with the IEEE Canada board honoring the Section for its outstanding support to IEEE and Region 7. This award was presented to the Section at the R7 Spring Meeting in Mississauga and was received by the Section Chair with the last such award being awarded to the Ottawa Section in 2011. The award takes into account a Section's community service projects that positively project upon the IEEE, technical and educational programs, programs co-sponsored with other professional/technical organizations as well as efforts that facilitated improved industrial and governmental relations.

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), Young Professionals (YP), 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 5th Annual WIE Wine and Cheese party on March 13th, 2014. 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 has played a very active and crucial role, in organizing and executing IHTC this year. This conference was organized by HIC Canada, with seed funding from chapters from across Canada, including IEEE Ottawa. The event was so well received with the Section's support that IHTC 2015 will be hosted in Ottawa. HIC Ottawa have continued last year's 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 "Battle Royale" and 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 2013 AGM to 2014 AGM, the section had 11 members elevated to the senior grade. One Senior Member of the section got elevated to the highest of grades within the IEEE, the Fellow grade: Dr. Wen Tong, Huawei Technologies. Congratulations to Dr. Tong on his Fellow grade elevation!

Currently there are approximately 2200 members in the Section (an increase of 10% year-over-year) 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, 69 technical activities without double counting and three conferences and two workshops. In addition, the Section stood up a Strategic Planning Committee to review and recommend upon improvements to the Section's internal operations. 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, as I am outgoing this year, 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 always bring there for your Section and your City. I know that the Section is in safe hands given the outstanding volunteering spirit that our members continuously exhibit and wish future Executive Committees all the best in leading our Section in the future!



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

New and Noteworthy

2014 has been a successful year with numerous recognitions for our Section, chapters and volunteers.

1) The IEEE Ottawa Section was the recipient of the 2014 R7 Exemplary Large Section Award; the IEEE Canada board honored the Section for its outstanding support to IEEE and Region 7. 2) The University of Ottawa IEEE Student Branch won the George Armitage Outstanding SB Award 2014 in recognition of the best student branch in Canada by its exemplary IEEE student branch operations. 3) The Ottawa CASS Chapter, chaired by Dr. Ram Achar, was awarded funding to run the HPCPS workshop in 2014. 4) The Ottawa PES Chapter, chaired by Dr. Wahab Almuhtadi, has been selected as one of top performing

chapters in the Society and received a financial contribution for its 2013 PES High Performing Chapter Program (HPCP) award. 5) The Ottawa ComSoc Chapter, chaired by Dr. Wahab Almuhtadi, has been selected as one of top performing chapters in the Society and received a financial contribution as part of this award. 6) The Ottawa Section was nominated to participate, as one of two Sections in R7, in the IEEE Professional Productivity and Collaboration Tools (PPCT) pilot program. Our CPC Chair, Ms. Alya Othman, was selected as the Section's champion. 7) The IEEE Ottawa Section stood up a Strategic Planning Committee to review and recommend upon improvements to the Section's internal operations.

The following members of the Section were recognized: 1) *Dr. Wen Tong* (Huawei Technologies, for leadership in the development of 3G and 4G wireless communication systems) became IEEE Fellow based on his outstanding technical contributions. 2) *Prof. Hussein Mouftah* was awarded the K.Y. Lo Medal by the EIC at its annual EIC Gala which was held on March 15, 2014 at the Westin Hotel in Ottawa. 3) *Prof. Jianping Yao*, School of EECS at uOttawa, was selected as an IEEE MTT-S Distinguished Lecturer 4) The IEEE Canadian Foundation awarded Carleton University's *Amente Bekele* an ICF Scholarship in April 2014 5) The IEEE Computer Society awarded Carleton University's *Amente Bekele* its Richard E. Merwin Award in January 2014 and selected him to serve as the Computer Society Student Ambassador for the upcoming year. 6) *Ms. Janet Davis*, Ottawa Section Vice-Chair, selected (only 1 of 2 Canadians) to participate in the 2014 IEEE Volunteer Leadership Training program. 7) *Dr. Sreeraman Rajan*, EMBS Chapter Chair, was elected as the Region 7 Eastern Area Chair. 8) *Dr. Wahab Almuhtadi*, PES Chapter Chair, was elected as the Region 7 Conferences Activities Committee Chair.

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. SysCon 2014 (IEEE Systems Conference) was held on March 31 until April 3, 2014 at the Fairmont Chateau Laurier. The Ottawa Section helped to organize a major networking event for students and recent graduates on April 1st, 2014.
2. CIVSEMA 2014 (IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications) was held between May 5-7, 2014 at the University of Ottawa. The Ottawa Section was a technical co-sponsor of the event.
3. 2014 International Humanitarian Technology Conference (IHTC) was held in Montreal at the Omni Hotel from June 1-4, 2014. The Ottawa Section was a technical co-sponsor of this conference and has secured the IHTC 2015 edition.
4. CTFG Workshop 2014 (Canadian Tracking and Fusion: www.ctfg.ca) was held in Ottawa from 9-10 September, 2014. The Ottawa Section was a technical co-sponsor of the event.
5. HPCPS 2014 (IEEE International Workshop on High-Performance Chip, Package and Systems) will be held November 8, 2014 at Carleton University.
6. The Ottawa Section is officially a technical and/or financial co-sponsor of the following conferences: IHTC 2015, IM 2015, RE 2015, NEMO 2015, INCOM 2015, EMC 2016 and EPEC 2016 and is negotiating sponsorships with 2 other conference committees and their respective IEEE Societies.

Committee Reports

Annual General Meeting (AGM) Planning Committee

Chair: Janet Davis

The IEEE Ottawa Section celebrated its 69th AGM on November 8, 2013 at the Ottawa Convention Center. It was a well-attended function. The first part of the function was the official part where elections for the Executives for 2014 were conducted. The second part of the function was the banquet where awards for the Section groups, individuals and the industries were awarded. The key note speaker was Dr. Ibrahim Gedeon, CTO Telus, who gave a talk on "Engineering a Better Tomorrow". The day ended with an entertainment show by Yukyuks Comedian Don Kelly which was full of surprises. The student volunteers from Carleton University, the University of Ottawa and Algonquin College helped to ensure the success of the AGM under Mrs. Janet Davis', the Section's AGM Committee Chair, leadership. 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 2014 were held and the following members were declared elected unanimously unopposed: Chair: Dr. Rami Abielmona, Vice Chair: Mrs. Janet Davis, Treasurer: Ms. Anissa Shaddy and Secretary: Dr. Eric Karmouch.

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

- a) Dr. Qingsheng Zeng: Outstanding Service Award for his excellent service to the Ottawa Section in 2013
 - b) Mr. Jeffrey Arcand: Outstanding Volunteer Award for his contributions through serving as the Treasurer of the IEEE Ottawa Section in 2013 and as the Website and Tablet Principal of the IEEE international Conference on Communication 2012 Ottawa
 - b) Dr. Qiubo Ye: Outstanding Engineer Award for his contribution in development of electromagnetic simulation software in semiconductor and wireless industries, and innovative design of multi-mode and multi-band ultra-wideband antennas.
 - c) Dr. Miodrag Bolic: Outstanding Engineering Educator Award for his dedication in teaching and supervising a large number of undergraduate, graduate, and post-docs students in the fields of electrical, biomedical and computer engineering
- The following industries were recognized at the AGM
- a) The Outstanding Information and Communication Technology Company Award was presented to BTI Systems Inc. for continuing to push the envelope in the development of high-density optical networking for content service providers.
 - b) The Outstanding Technology Recognition Award was presented to March Networks for its Advanced Innovations for the Greater Public Good.

c) The Outstanding High Technology Recognition Award to Leapfrog Lighting for leading the design of LED lamps with Intelligent Optics TM, architectural quality illumination, cost effective, and energy efficient.

d) The 2013 Appreciation Award was given to Raytheon Canada for its support to the activities of IEEE Ottawa Section and valuable contribution to the success of the IEEE RadarCon 2013 Conference, Ottawa.

e) The 2013 Appreciation Award was given to Defence Research and Development Canada (DRDC), Ottawa Research Centre for its support to the activities of IEEE Ottawa Section and valuable contribution to the success of the IEEE RadarCon 2013 Conference, Ottawa. Section Awards presented at the Section AGM 2013:

The following Section Awards were presented at the Section AGM 2013 on Nov 8, 2013.

a) Outstanding Chapter Award: The Joint Chapter of Electron Devices Society, Circuits and Systems Society, and Solid-State Circuits Society for organizing technical meetings and promoting membership development in 2013.

b) Outstanding Student Branch Award: The Algonquin College Student Branch for organizing events and for increasing the Branch membership.

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 2013 IEEE Ottawa Section Awards are as follows:

Recognition Industry and Organizations

1. The 2013 Information and Communications Technology Company Award): Recipients:

BTI Systems Inc. for continuing to push the envelope in the development of high-density optical networking for content service providers.

2. The 2013 High Technology Company Award): Recipients:

March Networks for its Advanced Innovations for the Greater Public Good.

3. The 2013 Clean Technology Award): Recipients:

Leapfrog Lighting for leading the design of LED Lamps with Intelligent Optics™, a cost-effective, energy efficient anti-glare lamp with even light distribution.

4. The 2013 Appreciation Award: Recipient:

Raytheon Canada for its support to the activities of IEEE Ottawa Section and valuable contribution to the success of the IEEE RadarCon 2013 Conference, Ottawa.

Defence Research and Development Canada (DRDC), Ottawa Research Centre for its support to the activities of IEEE Ottawa Section and valuable contribution to the success of the IEEE RadarCon 2013 Conference, Ottawa.

AGM Keynote Speaker Appreciation

5. Appreciation Plaque to

Dr. Ibrahim Gedeon, Chief Technology Officer, TELUS for his contribution to the IEEE Ottawa Section as the AGM 2013 Keynote Speaker.

Recognition Individuals

6. The 2013 IEEE Ottawa Section Outstanding Volunteer: Recipients:

Jeffery Arcand for his contributions through serving as the Treasurer of the IEEE Ottawa Section in 2013 and as the Website and Tablet Principal of the IEEE international Conference on Communication 2012 Ottawa.

7. The 2013 IEEE Ottawa Section Outstanding Engineer: Recipients:

Dr. Qiubo Ye for his contribution in development of electromagnetic simulation software in semiconductor and wireless industries, and innovative design of multi-mode and multi-band ultra-wideband antennas.

8. The 2013 Outstanding Engineering Educator Award: Recipients:

Dr. Miodrag Bolic for his dedication in teaching and supervising a large number of undergraduate, graduate, and post-docs students in the fields of electrical, biomedical and computer engineering.

Recognition Ottawa Section Groups

9. The 2013 IEEE Ottawa Outstanding Chapter Award: Recipient:

The Joint Chapter of Electron Devices Society, Circuits and Systems Society, and Solid-State Circuits Society for organizing technical meetings and promoting membership development in 2013.

10. IEEE Ottawa Outstanding Student Branch Award 2013: Recipients:

Algonquin College Student Branch for organizing events and for increasing the Branch membership.

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: Alya Othman, alyaothman@gmail.com

Editor: Alya Othman, alyaothman@gmail.com, Akshay Puli, akshaypuli1994@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.
- A plan for communication department was put together to provide a better publication and marketing.

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 Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
2014-03-28	DL Technical Meeting/Seminar	Transmitting Consumer Products and Electrophobia: Why are People Really Scared of Electromagnetic Fields?, by Elya B. Joffe	18/42	ComSoc/CESoc/BTS, EMC, AP/MTT, and IPS Chapters, and Algonquin College IEEE Student Branch
2014-09-02	Technical Meeting/Seminar	Quantum Voltage Standards and Electrical Power Standards at National Measurement	1) 15/45, at 2-3 pm, at NRC 2) 4/4, at 6:30-8:00 pm, at Algonquin College	IMS, PES, and R & PEL Chapters, and Algonquin College IEEE Student Branch

		Institute Australia, by Dr. Dimitrios Georgakopoulos		
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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 currently planning and organizing events and activities that will benefit our members at large. These include the Section's Professional Development Seminar Series (PDSS) which will focus on interpersonal skills development for personal and professional growth and provide greater collaboration between organizations in helping engineers and other science-based professionals in developing interpersonal skills, such as conflict resolution, negotiation skills and risk management.

Humanitarian Initiatives Committee (HIC)

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

Vice Chair: Sean Campeau, seancampeau@rogers.com

Technical Activities: Kin Sze, alfredo.herrera@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
16-January-2014, UOttawa, SITE 5084, 6:00 – 9:00 pm	Technical Meeting	Open Source Avalanche Radar Imaging System (OS-ARIS) and headLamp	12/12	N/A
19-February-2014, Algonquin College, P214, 6:30 - 9:00 pm	Technical Meeting	HIC-Ottawa SIGHT: monthly meeting (February 2014)	6/6	N/A
19-March-2014, UOttawa, SITE 5084, 6:00 – 9:00 pm	Technical Meeting	HIC-Ottawa SIGHT: monthly meeting (March 2014)	6/6	N/A
16-April-2014,	Technical Meeting	HIC-Ottawa	10/10	N/A

Algonquin College, P214, 6:30 - 9:00 pm		SIGHT: monthly meeting (April 2014)		
14-May-2014, UOttawa, SITE 5084, 6:00 – 9:00 pm	Technical Meeting	HIC-Ottawa SIGHT: monthly meeting (May 2014)	2/3	N/A
11-June-2014, Algonquin College, P214, 6:30 - 9:00 pm	Technical Meeting	HIC-Ottawa SIGHT: monthly meeting (June 2014)	3/5	N/A
16-July-2014, Algonquin College, P214, 6:30 - 9:00 pm	Technical Meeting	HIC-Ottawa SIGHT: monthly meeting (July 2014)	3/5	N/A
17-July-2014, Algonquin College, P214, 6:30 - 9:00 pm	Technical Meeting	Open Source and Open Hardware, A Slippery Slope or a Brave New World	10/11	N/A
27-August-2014, UOttawa, SITE 5084, 6:00 – 9:00 pm	Technical Meeting	HIC-Ottawa SIGHT: Open Hardware Lab Tour	10/12	N/A
7-October-2014, UOttawa, SITE 5084, 6:00 – 9:00 pm	Technical Meeting	IEEE day open source project and student competition launch	4/5	N/A
16-July-2014, UOttawa, SITE 5084, 6:00 – 9:00 pm	Technical Meeting	IHTC 2015 Planning Meeting	10/10	N/A
22-July-2014, UOttawa, SITE 5084, 6:00 – 9:00 pm	Technical Meeting	IHTC 2015 Planning Meeting	12/12	N/A
13-August-2014, UOttawa, SITE 5084, 6:00 – 9:00 pm	Technical Meeting	IHTC 2015 Planning Meeting	7/7	N/A
28-August-2014,	Technical Meeting	IHTC 2015	12/12	N/A

UOttawa, SITE 5084, 6:00 – 9:00 pm		Planning Meeting		
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Projects in Progress: In 2014, HIC continued building on top the momentum from last year. We held monthly meetings were current and prospecting members joined our core group of passionate volunteers on various humanitarian-themed activities:

- organized successful HIC workshop at CCECE2014, that included student competition and speakers from academia, industry, and IEEE.
- open source radar for avalanche search and rescue, and published one paper on managing this type of Intellectual Property.
- international humanitarian technology conference in Montreal
- uOttawa maker space lab tour
- continued contribution to R7 HIC and IEEE SIGHT

Our efforts have been recognized in helping us win the bid to host IHTC 2015. We would like to thank the IEEE Ottawa community for their support. In the near future we will be electing a new chair and executive committee to continue evolving our activities and improving our say/do ratio.

Membership Development: We have counted on the regular support of Alfredo Herrera, Sawsan Abdul Majid, Kin Sze, Sean Campeau, Wolfram Lunscher and Doug Reid. Alfredo, through his contacts, was able to bring in project and activity ideas for the Ottawa community. We have seen a sustained level of technical activity and the launch of one technical project and participation on two humanitarian activities.

Outreach: Our sustained monthly meetings provide an opportunity for new members to join and become participants on one of the current projects. Through the IHTC and other section events we are establishing our reputation in the IEEE Ottawa community and abroad through SIGHT.

Unique events: Student Paper Competition and Panel Discussion at CCECE 2014
Full organizing committee participation in IHTC 2014.

Proposed events: HIC Ottawa SIGHT will be hosting IHTC 2015 and it is expected to play an active and crucial role in defining IHTC conferences going forward. 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

Vice Chair: Irfan Al-Anbagi

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 8, 2013, OCC	Career Fair Booth, Membership Recruitment and Retention	OS AGM 2013		OS MDC
March 21, 2014, RA Centre	Career Fair Booth, Membership Recruitment and Retention	SPAC		Carleton SB, Algonquin SB, Ottawa U SB, OS, OS MDC
March 27, 2014, uOttawa SITE	Career Fair Booth, Membership Recruitment and Retention	7th Graduate Poster Competition for uOttawa Engineering Research Day		OS MDC
April 11, 2014, Algonquin, Ottawa	Career Fair Booth, Membership Recruitment and Retention	Algonquin Applied Research Day		OS, Algonquin SB, OS MDC
October 7, 2014, Marshes Golf Course	Career Fair Booth, Membership Recruitment and Retention	Tech Tuesday, IEEE Day		OS MDC, OS TISP

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

Vice Chair: David Huynh, david.huynh.ca@ieee.org

Patronage Chair: Paulyn Mulles, p.mulles.ca@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
Feb 12, 2014, UOttawa	Workshop	ORC open house	6	
May 24, 2014,	Competition	ORC Annual Competition	10	

Best Practices: Avoid last minute preparations. Limit the number of people who can come to the open house as well as trying to promote it more as a beginners event. No delivery of kits, ask schools to pick it up. Workshops Registration is needed. Training for volunteers is a must. Must get uOttawa ready for 2015 as we move into a more EV3 heavy event.

Unique Events: The open house was to be a teamwork activity for the kids where they had a chance to build robots together and battle against other teams. For the parents, teachers, and other adults, the night was an information session about the robotics competition, including: this year's challenges, tips, and much more!

General schedule for the kids included:

- 40 minutes dedicated to building robots
- 40 minutes dedicated to teaching them basic programming
- 40 minutes dedicated to a small tournament (prizes were given).

Proposed Events: Young Professional Workshop by the ORC team. We are planning to introduce a public workshop by the ORC team to bring different dynamics to the ORC as well as allow interaction with the Young Professionals demographics. This will be done in corporation with IEEE Young Professionals.

Senior Membership Committee

Chair: Dr. Sreeraman Rajan

Vice Chair: Dr. Chen Wu

The Section had 11 Senior Member elevations from October 2012 to September 2013.

Ottawa Section	Ashley	Anthony
Ottawa Section	Kidston	David
Ottawa Section	Abdellah	Chehri
Ottawa Section	Waruszynski	Barbara
Ottawa Section	Hosseini	Habib Mir Mohamed
Ottawa Section	Lambiri	Cristian
Ottawa Section	Dunne	Malcolm
Ottawa Section	McIntok	Gavin
Ottawa Section	Reinink	Kasper
Ottawa Section	Guo	Shanzeng
Ottawa Section	Hall	Trevor

Strategic Planning (LP) Committee

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

Members:

Eric Karmouch, ekarmouch@ieee.org

Maria Rey, Sasquatch.rey@gmail.com

Raed Abdullah, raedabdullah@ieee.org

Sreeraman Rajan, sreeraman@ieee.org

Wahab Almuhtadi, almuhtadi@ieee.org

Branislav Djokic, branislav@ieee.org

Activity Date, Time,	Activity Type (Tech Meeting, Workshop,	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
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Location	DL, etc) and Brief Description			
September 18, 2014, 6:00-10:00 pm, Ciena	Workshop/Retreat: Connect, Communicate and Collaborate: Strategic Planning Retreat/Workshop on creating stronger synergies and interdependencies by connecting, communicating and collaborating with government, industry and academia. The retreat outlined the priorities of where the Section needs to go within the next 2 to 5 years. We had three administrative meetings to cover this initiative.	IEEE Ottawa Section Strategic Planning Retreat	28	

Proposed events: Another summer institute is expected to be held at the museum next July, 2015.

Teacher In-Service Program (TISP) Committee

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
July 24, 2014 Canada Sci & Tech Museum, Ottawa	Workshop	Elementary Teachers Summer Institute	IEEE – 2 Total – 46	Canada Science & Technology Museum

Proposed events: Another summer institute is expected to be held at the museum next July, 2015.

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
12 May 2014 10:00-12:00 UOttawa	Workshop on Radars and Radar Signal Processing: Part I	Dr. Anthony (Tony) Ponsford: An Introduction of Modern Radars	28/37	Co-sponsored by IMS - Instrumentation and Measurement Society, SP, OE, & GRS - Joint Chapter of Signal Processing, Oceanic Engineering, and Geoscience and Remote Sensing, VTS - Vehicular Technology Society, AESS - Aerospace and Electronic Systems Society, WIE Affinity - Women in Engineering, Life Members Affinity, and Young Professionals
12 May 2014 13:00-15:00 UOttawa	Workshop on Radars and Radar Signal Processing: Part II	Dr. Balaji Bhashyam: Radar Signal Processing	28/37	Co-sponsored by IMS - Instrumentation and Measurement Society, SP, OE, & GRS - Joint Chapter of Signal Processing, Oceanic Engineering, and Geoscience and Remote Sensing, VTS - Vehicular Technology Society, AESS - Aerospace and Electronic Systems Society, WIE Affinity - Women in Engineering, Life Members Affinity, and Young

				Professionals
18 June 2014	Technical site visit	Visit to CBC Monitoring station, Carp	6 + 6	VTs
9 – 10 Sept 2014	Workshop – multiple speakers	Canadian Tracking & Fusion group (Radar)	9 + 9	various

Recognition: Tony Ponsford is an AESS Distinguished Lecturer

Unique Event: CFTG workshop held annually in September – 2 days

Proposed Activities: Various under consideration. Visit to NRC wind tunnel, Uplands

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) 28 Oct 2013 18:30–20:00 Room T129 Algonquin College	Technical Seminar	Carrier Ethernet for Cloud Computing by Peter Green	IEEE/Total 17/24	ComSoc/BTS/CES, IPS, CS, AP/MTT, and RS/PELS Chapters, and Algonquin College
2) 14:30–16:30 CBY A707 University of Ottawa	Technical Seminar	A Localization Algorithm Based on Mobile Beacon Assisted for Wireless Network by Suzhe Wang	IEEE/Total 7/14	ComSoc/BTS/CES, AP/MTT, VT and AES Chapters, and School of EECS at University of Ottawa
3) 4 Dec 2013 8:30–9:30 Room 5345HP Carleton University	IEEE Antennas and Propagation Society (APS) Distinguished Lecture	Development of the Dielectric Resonator Antenna by Prof. Kwok Wa (Ben) Leung	IEEE/Total 16/30	ComSoc/BTS/CES AP/MTT, EMC, CPMT Chapters, Department of Electronics (DoE), Carleton University
4) 4 Dec 2013 9:30–10:10 Room 5345HP Carleton University	IEEE Antennas and Propagation Society (APS) Distinguished Lecture	Transparent Antennas: From 2D to 3D by Prof. Kwok Wa (Ben) Leung	IEEE/Total 16/30	ComSoc/BTS/CES AP/MTT, EMC, CPMT Chapters, Department of Electronics (DoE), Carleton University
5) 4 Dec 2013 10:10–10:50 Room 5345HP	IEEE Antennas and Propagation Society (APS)	Analyses of Spherical Antennas by Prof. Kwok Wa (Ben)	IEEE/Total 16/30	ComSoc/BTS/CES AP/MTT, EMC, CPMT Chapters, Department

Carleton University	Distinguished Lecture	Leung		of Electronics (DoE), Carleton University
6) 4 Dec 2013 11:00–11:30 Room 5345HP Carleton University	2nd Canadian National Capital Region Workshop on Antennas	Electrical Field, Magnetic Field, Thermal, Stress and Strain	IEEE/Total 16/30	ComSoc/BTS/CES AP/MTT, EMC, CPMT Chapters, Department of Electronics (DoE), Carleton University
7) 4 Dec 2013 11:30–12:00 Room 5345HP Carleton University	2nd Canadian National Capital Region Workshop on Antennas	GNSS Antenna Development at DRDC Ottawa	IEEE/Total 16/30	ComSoc/BTS/CES AP/MTT, EMC, CPMT Chapters, Department of Electronics (DoE), Carleton University
8) 4 Dec 2013 12:00–12:50 Room 5345HP Carleton University	2nd Canadian National Capital Region Workshop on Antennas	Low Profile Multibeam Dual Polarization Antenna Array	IEEE/Total 16/30	ComSoc/BTS/CES AP/MTT, EMC, CPMT Chapters, Department of Electronics (DoE), Carleton University
9) 19 Dec 2013 13:30–15:00 Room ME 4124 Carleton University	Technical Seminar	RF products and Vision at NXP	IEEE/Total 10/16	CASS/SSCS/EDS, AP/MTT, EMC, EMB and CPMT Chapters, Department of Electronics (DoE), Carleton University
10) 28 Mar 2014 18:30–21:00 Room T129 Algonquin College	IEEE Distinguished Lecture	Transmitting consumer products and electro-phobia: Why are people REALLY scared of electromagnetic Fields? By Elya B. Joffe	IEEE/Total 26/40	ComSoc/BTS/CES AP/MTT, and EMC Chapters, and Algonquin College
11) 29 April 2014 18:00–20:00 Board Room Fidus Systems Inc.	IEEE EMC-S Distinguished Lecture	Electrical Design for high end Computer Systems by Dr. Dale Becker	IEEE/Total 5/20	AP/MTT and EMC Chapters
12) 30 April 2014 18:00–20:00 Room T129 Algonquin College	Technical Seminar	Overview of Green Wireless Communications Research at Edinburgh by Prof. John Thompson	IEEE/Total 21/30	ComSoc/CES/BTS, RS/PELS, CS, AP / MTT, SP / OE / GRS, IPS, and Algonquin College Student Branch
13) 30 July 2014 18:00–21:00 Board Room Fidus Systems Inc.	IEEE EMC-S Distinguished Lecture	Over The Air Test for Wireless Systems By Dr. Yihong Qi	IEEE/Total 8/11	EMC and AP/MTT Chapters
14) 18 Aug 2014 18:30–20:00	IEEE Distinguished Lecture	Trends and Issues of FTTH and G-PON by Prof. Koichi Asatani	IEEE/Total 26/37	ComSoc/CES/BTS, RS/PELS, CS, IPS and AP/MTT Chapters

Room T129 Algonquin College				and Algonquin College Student Branch
15) 30 Sept 2014 8:00–9:00 Kanata Salon A Holiday Inn & Suites Ottawa 101 Kanata Ave. Ottawa	RF and Microwave Test Symposium	Making fundamental RF measurements with PXI	IEEE/Total	Averna Technologies Inc., and National Instruments, IEEE Ottawa AP/MTT Chapter
16) 30 Sept 2014 9:00–9:30 Kanata Salon A Holiday Inn & Suites Ottawa 101 Kanata Ave. Ottawa	RF and Microwave Test Symposium	Phase-Coherent Signal Analyzers and Generators for MIMO Test and Prototyping	IEEE/Total	Averna Technologies Inc., and National Instruments, IEEE Ottawa AP/MTT Chapter
17) 30 Sept 2014 9:30–10:00 Kanata Salon A Holiday Inn & Suites Ottawa 101 Kanata Ave. Ottawa	RF and Microwave Test Symposium	Channel Emulation / Modeling & Environmental Simulation	IEEE/Total	Averna Technologies Inc., and National Instruments, IEEE Ottawa AP/MTT Chapter
18) 30 Sept 2014 10:00–10:30 Kanata Salon A Holiday Inn & Suites Ottawa 101 Kanata Ave. Ottawa	RF and Microwave Test Symposium	RADAR System Design and Development from Schematic to Field Testing	IEEE/Total	Averna Technologies Inc., and National Instruments, IEEE Ottawa AP/MTT Chapter
19) 30 Sept 2014 10:30–11:00 Kanata Salon A Holiday Inn & Suites Ottawa 101 Kanata Ave. Ottawa	RF and Microwave Test Symposium	Solving new RF applications with record & playback for GNSS characterization	IEEE/Total	Averna Technologies Inc., and National Instruments, IEEE Ottawa AP/MTT Chapter
20) 30 Sept 2014 11:00–11:30 Kanata Salon A Holiday Inn & Suites Ottawa 101 Kanata Ave. Ottawa	RF and Microwave Test Symposium	How Spectral Stitching Can Solve Bandwidth vs. Dynamic Range Tradeoffs	IEEE/Total	Averna Technologies Inc., and National Instruments, IEEE Ottawa AP/MTT Chapter
21) 30 Sept 2014 11:00–11:30	RF and Microwave Test Symposium	Bridging Design & Test in Military Communications with Software Defined	IEEE/Total	Averna Technologies Inc., and National Instruments, IEEE

Kanata Salon A Holiday Inn & Suites Ottawa 101 Kanata Ave. Ottawa		Radio Platforms		Ottawa AP/MTT Chapter
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Best Practices:

- I have attended the 2014 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE2014), Toronto, Ontario, Canada, May 4 – 7, 2014, and exchanged experience and collaborated with other IEEE Sections and Chapters through face-to-face and interaction.
- As a Member of IEEE Canada Industry Relations Committee, I have been collaborating with governmental agencies and industrial sectors, soliciting their aids and support for IEEE events, and consolidating the relationships and networks between them and IEEE.
- I have constantly been organizing events with Montreal, Kinston and Toronto AP/MTT Chapters.
- I have assisted our section in recruiting new IEEE members and elevating members to senior members and will be continuing to do so.
- I have been assisting our members in finding their new positions and employers in their recruitments.
- I have always co-organizing activities with other local chapters, educational institutions, governmental departments and companies, to set up and enhance the collaborations with them, attract more audience and serve more members.
- I have constantly been inviting speakers at different levels from graduate students to distinguished lecturers, to foster new engineers and entrepreneurs, improve the research quality and enhance the academic levels of local researchers.

Awards and Recognition:

- The Chair of the Ottawa AP/MTT Joint Chapter, Dr. Qingsheng Zeng, has won the 2013 IEEE Ottawa Outstanding Service Award.
- Dr. Qingsheng Zeng has become an Adjunct Professor at University of Ottawa in May 2014.
- Dr. Qingsheng Zeng has been invited and presented his tutorial “Pulse Propagation and Distortion in Ultra Wideband (UWB) Communications” at the 2014 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE2014), Toronto, Ontario, Canada, May 4 – 7, 2014.
- Dr. Qingsheng Zeng has been a Technical Program Committee (TPC) Member for the 3rd Annual World Congress of Advanced Materials (WCAM 2014), Chongqing, China, 6 – 9 June 2014.

- Professor Qi-Jun Zhang in the Department of Electronics at Carleton University has been the General Chair for the 2015 IEEE International Symposium on Numerical Electromagnetic and Multi-physics Modeling and Optimization for RF, Microwave, and Terahertz Applications (NEMO2015) in Ottawa for 12 – 14 August 2015. Qi-Jun is one Ottawa MTT-S member.

Unique Events:

- I have organized the 2nd Canadian National Capital Region Workshop on Antennas at Carleton University on December 4, 2013.
- In this region wide workshop, the Editor-in-Chief of IEEE Transaction on Antennas and Propagation (TAP) and IEEE Antennas and Propagation Society (APS) Distinguished Lecturer, Prof. Kwok Wa (Ben) Leung, from the Department of Electronic Engineering, City University of Hong Kong, China, gave 3 excellent lectures.
- ANSYS Toronto provided financial support and dispatched the Account Manager, Mr. Hao Hu, to the workshop, who introduced ANSYS' products and technical support and services to the audience.
- Dr. Michel Clénet, the Canadian Representative for URSI Commission B and Defense Scientist from Defence Research and Development Canada (DRDC), Ottawa, and Dr. Lin-Ping Shen, the Team Leader of CCI Antenna Research, Kanata, presented their significant progress, respectively.
- This workshop combined significant contributions from the academia, industry and government, and provided an excellent forum for the researchers and leaders to present their front edge research and latest products and services and to interact, set up and enhance the collaboration with each other.
- This workshop with a large attendance and the financial support by industry has profound impacts afterwards, making it resoundingly successful..

Planned events:

- Dr. Qingsheng Zeng has been organizing the RF & Microwave Test Symposium with Avera Technologies Inc. and National Instruments in Kanata for 30 September 2014 and co-organizing the 2015 IEEE International Symposium on Numerical Electromagnetic and Multi-physics Modeling and Optimization for RF, Microwave, and Terahertz Applications (NEMO2015) in Ottawa for 12 – 14 August 2015.

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

Government Liaison: Julio Valdés

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
Monday November 18, 2013-13:30-15:00 (EDT)	Technical meeting	Data-Driven Ensemble Learning with Deep Search and Class Rebalancing/Prof. Nathalie Japkowicz		No
Wednesday March 12, 2014-13:30-15:00 (EDT)	Technical meeting	What ROC Curves Can't Do (and Cost Curves Can)/ Dr. Chris Drummond	5/16	No
2 Days September(9-10), 2014 (8:30-16:00)	Workshop: CTFG 2014	2014 Canadian Tracking and Fusion Group Workshop	-/40	Yes

Unique events: Fourth Canadian Fusion and Tracking Workshop (CTFG 2014), Ottawa, Canada, September 9-10, 2014

Proposed events: CTFG 2015

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
Start Time 2014-03-20 18:10:00 End Time	Technical	Mechanical Reliability in Electronics: A lifetime of strange failures and conditions	16/17	CES, ComSoc/CES/BTS and Algonquin College Student

2014-03-20 19:40:00 Ottawa		Hugh M Reekie, P.Eng., IEEE SM		Branch
Start Time 2014-04-30 18:00:00 End Time 2014-04-30 19:30:00 Ottawa	Technical	Overview of Green Wireless Communications Research at Edinburgh John Thompson, Prof. , Personal Chair in Signal Processing and Communications	21/30	ComSoc/CES/BTS, RS/PELS, AP/MTT, SP / OE / GRS, IPS, and Algonquin College Student Branch
Start Time 2014-08-18 18:30:00 End Time 2014-08-18 20:00:00 Ottawa	Technical	Trends and Issues of FTTH and G-PON Prof. Koichi Asatani , IEEE Distinguished Lecturer, IEEE Fellow, IEICE Fellow (Ph D, Professor, Nankai University, Tianjin, China Professor Emeritus, Kogakuin University, Tokyo, Japan)	26/37	ComSoc/CES/BTS, RS/PELS, AP/MTT, IPS, and Algonquin College Student Branch
Start Time 2014-09-10 12:00:00 End Time 2014-09-10 13:30:00 Ottawa	Technical	Bayesian Methods for Sparse Signal Recovery: Distinguished Lecture Prof. Bhaskar D. Rao (University of California, San Diego)	10/60	Joint SP,OE and RS, EMBS, LA, COMSoc/BTS/CES, CIS/SMC, OS, R7EA, NSERC DIVA
Start Time 2014-09-09 13:00:00 End Time 2014-09-09 14:00:00 Ottawa	Technical	Information related challenges: a CDI perspective Colonel Gregory D. Burt, Commander CF Intelligence Group	30/52	Joint SP,OE and RS, Joint CIS/SMC, AESS, Ottawa Section
Start Time 2014-09-10 09:15:00 End Time 2014-09-10 10:15:00 Ottawa	Technical	Delivering Maritime Security in Global Partnership: Addressing 21st Century Collaboration Challenges Kurt Salchert, Captain (RCN) Ret'd	30/52	Joint SP,OE and RS, Joint CIS/SMC, AESS, Ottawa Section

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 Fourth Canadian Tracking and Fusion Group Workshop (CTFG Workshop 2014) which was held in Ottawa September 9-10, 2014

(<http://www.ctfg.ca/workshop2014>)

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
18 Aug 2014 18:30–20:00 Room T129 Algonquin College	IEEE Distinguished Lecture	Trends and Issues of FTTH and G-PON by Prof. Koichi Asatani	IEEE/Total 26/37	ComSoc/ CES/BTS, RS/PELS, CS, IPS and AP/MTT Chapters and Algonquin College Student Branch
July 17, 2014, 6:00-9:00 pm, Algonquin College	Technical Meeting: “Open Source” or “Free and Open Source”. Meeting focused on the history and fundamentals of Open Source solutions in general and in the context of humanitarian initiatives (under HIC).	Open Source and Open Hardware, Slippery Slope or a Brave New World	11	R-PELS, ComSoc/C ES/BTS, SSIT, SIGHT
12) 30 April 2014 18:00–20:00 Room T129 Algonquin College	Technical Seminar	Overview of Green Wireless Communications Research at Edinburgh by Prof. John Thompson	IEEE/Total 21/30	ComSoc/ CES/BTS, RS/PELS, CS, AP / MTT, SP / OE / GRS, IPS, and Algonquin

				College Student Branch
10) 28 Mar 2014 18:30–21:00 Room T129 Algonquin College	IEEE Distinguished Lecture	Transmitting consumer products and electro-phobia: Why are people REALLY scared of electromagnetic Fields? By Elya B. Joffe	IEEE/Total 26/40	ComSoc/ BTS/CES AP/MTT, and EMC Chapters, and Algonquin College
Start Time 2014-03-20 18:10:00 End Time 2014-03-20 19:40:00 Ottawa	Technical	Mechanical Reliability in Electronics: A lifetime of strange failures and conditions Hugh M Reekie, P.Eng., IEEE SM	16/17	CES, ComSoc/ CES/BTS and Algonquin College Student Branch
Mar 18 2104 Algonquin College 18:00	(Tech Meeting) With over 266 networks in 99 countries, LTE is the de facto world-standard for mobile communications. This presentation will address the evolution of LTE to meet ITU requirements for high mobile broadband data rates.	Evolution to LTE Advanced Frank Rayal, P.Eng, SMIEEE. Founding Partner – Xona Partners	35/21	IET Ottawa
28 Oct 2013 18:30–20:00 Room T129 Algonquin College	Technical Seminar	Carrier Ethernet for Cloud Computing by Peter Green	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,

Wednesday, September 18, 2013	Technical	Implantable Wireless Medical Devices and Systems Speaker: Dr. J.C. Chiao, Garrett endowed professor of Electrical Engineering at University of Texas – Arlington, TX, USA		
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/BT S/CES, and AP & MTT Chapters
Thursday, September 5, 2013	Technical	Characterization of Space Shuttle Ascent Debris Based on Radar Scattering and Ballistic Properties – Evolution of the NASA Debris Radar (NDR) System Speaker: Dr. Brian M. Kent, Fellow, IEEE, AMTA, AFRL, Chief Scientist, Sensors Directorate, Chief Scientist, Sensors Directorate, WPAFB, OH 45433, USA		
Sep 3, 2013, Carleton University	Technical meeting	VLSI Architectures for Communications and Signal Processing, by Kiran Gunnam of Violin Memory	15/22	
Monday, June 3, 2013	Technical	Source and Channel Rate Allocation Techniques for Digital Video Transmission Application Distinguished Lecturer: Dr. Lap-Pui Chau, Associate Professor, School of Electrical & Electronic Engineering, Nanyang Technological University, Singapore		
Monday, May 6, 2013	Technical	High performance terahertz devices for communication Speaker: Dr. Dayan Ban , Department of Electrical and Computer Engineering, Waterloo Institute for Nanotechnology, University of Waterloo, Waterloo, ON, Canada		
Thursday, April 25, 2013	Technical	Mobile Multihop Networking - A Long Shot beyond Line of Sight Speaker: Dr. Li Li, Communications		

		Research Centre Canada, Ottawa, Canada		
Tuesday, April 2, 2013	Technical	Canadian National Capital Region Workshop on: Waves Propagation Speakers: Dr. Qingsheng Zeng, Communications Research Centre Canada, Ottawa, Canada Dr. David Rogers, Communications Research Centre Canada, Ottawa, Canada Dr. Mhammad Ghaddar, Université du Québec en Abitibi-Témiscamingue (UQAT), Canada Dr. César Amaya,, Communications Research Centre Canada, Ottawa, Canada Dr. Gordon James, Communications Research Centre Canada, Ottawa, Canada Dr. Robert Bultitude, Communications Research Centre Canada, , Ottawa, Canada Dr. Yvo de Jong, Communications Research Centre Canada, , Ottawa, Canada Mr. Tejinder Gill, National Instruments (NI) in Ottawa, Canada Mr. Lurie Ilie, Aversa Technologies, Ottawa, Canada		
Wednesday, April 3, 2013	Technical	Embrace Circuit Nonlinearity to Get Transmitter Linearity and Energy Efficiency Speaker: Dr. Earl McCune, Besser Associates, Santa Clara, CA 95050, USA		
Wednesday, March 20, 2013, 10:00 AM Eastern Time,	Technical	ComSoc-NAR Webinar: TOPIC: Ad hoc Nanoscale and Molecular Communication Networks Speaker: Stephen F Bush, Researcher, General Electric		

07:00 AM Pacific Time		Global Research, Niskayuna, NY, USA		
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Unique events: IM.

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
Dec 19, 2013 Carleton University	Technical meeting	RF Products and Vision at NXP, Patrice Gamand	12/25
Dec. 4, 2013	Workshop	The 2 nd Canadian National Capital Workshop on Antenna	11/28
Dec 19, 2013 Carleton University	Technical meeting	RF Products and Vision at NXP, Patrice Gamand	12/25
Dec. 4, 2013	Workshop	The 2 nd Canadian National Capital Workshop on Antenna	11/28
Dec 19, 2013 Carleton University	Technical meeting	RF Products and Vision at NXP, Patrice Gamand	12/25
Dec. 4, 2013	Workshop	The 2 nd Canadian National Capital Workshop on Antenna	11/28

Proposed events: The IEEE Ottawa Section, including the CPMT Chapter will be involved in co-sponsoring the IEEE International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization, to be held in August 11-14, 2015. The conference will be held in Carleton University, Ottawa. The CPMT Chapter Chair (Q.J. Zhang) will be the general Chair of the conference. We expect to have hundreds of delegates coming from all over the world. The expected budget will be \$60,000. The conference is intended to be a forum for latest advances addressing the challenges in high-frequency electronics modeling and design.

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
February 7, 2014, 12:00-13:00	Technical meeting	Tracking and Erosion Protection Mechanisms of Inorganic Fillers in Polymer Materials for Outdoor Insulation	20/80	DEIS Chapter Ottawa/Montreal Joint chapter

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 2nd edition of IEEE International Workshop on High-Performance Chip, Package and Systems (HPCPS-2013)) during the period of Nov.8, 2013 – Sept. 19, 2014 (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.

Major accomplishments of the chapter include several recognitions for its leadership/activities by the CAS (Circuits and Systems) CASS Subsidy Grant of \$4000 to organize the 3rd edition of the IEEE International Workshop on High-Performance Chip, Package and systems (HPCPS-2014), Four Free IEEE and SSCS memberships given to the volunteering students of the chapter by the IEEE Solid State Circuits Society; further details of which are given in the Awards/Recognitions section.

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 2013 – Oct. 19 2014).

#	Date/Place	Activity Type	Title/Speaker	Attendance IEEE/Guests	IEEE Society/ Joint Sponsors
1	Nov. 16 2013	Technical EMC-DL	(DL) Devices, Circuits,	40/54	CASS/EDS/SSC

	(Carleton University)		Packages and Systems Understanding their Interplay for Managing Signal, Power and Thermal Integrity (HPCPS-2013 Keynote Talk)		Joint with AP/MTT, EMC Carleton Uni.
2	Nov. 16 2013 (Carleton University)	Technical	Stochastic based parametric modeling for High-Speed Designs (HPCPS-2013 Invited Talk)	40/54	CASS/EDS/SSC , Joint with Section, LM, Carleton Uni.
3	Nov. 16 2013 (Carleton University)	Technical	Fundamentals and Advances in High-Speed Serial Links and SERDES design (HPCPS-2013 Invited Talk)	40/54	CASS/EDS/SSC , Joint with Section, LM, Carleton University
4	Nov. 16 2013 (Carleton University)	Technical CASS-DL	(DL) Technology Scaling and its Impact on Analog Design (CASS distinguished lecture)	40/54	CASS/EDS/SSC , Joint with Section, LM, Carleton Uni.
5	Nov. 16 2013 (Carleton University)	Technical	Verification in Power Distribution Networks (HPCPS-2013 - Keynote Talk - II)	40/54	CASS/EDS/SSC , Joint with Section, LM, Carleton Uni.
6	Nov. 16 2013 (Carleton University)	Technical	Fundamentals and Advances Modeling and Analysis of High-Speed circuits and Systems Using Neural Networks (HPCPS-2013 Invited Talk)	40/54	CASS/EDS/SSC , Joint with Section, LM, Carleton Uni.
7	Nov. 16 2013 (Carleton University)	Technical CASS-DL	(DL) Breaking the 3D power delivery walls using voltage stacking (CASS distinguished lecture)	40/54	CASS/EDS/SSC , Joint with Section, LM, Carleton Uni.
8	Nov. 16 2013 (Carleton	Technical	Parallel Computing for EDA with emphasis on high-speed	40/54	CASS/EDS/SSC , Joint with Section, LM,

	University)		Designs (HPCPS-2013 Invited Talk)		Carleton Uni.
9	Dec. 19, 2013 (Carleton University)	Technical	RF products and Vision at NXP	12/20	CASS/EDS/SSC, Joint with Section, LM, Carleton Uni.
10	Dec. 19, 2013 (Carleton University)	Technical	RF products and Vision at NXP	12/20	CASS/EDS/SSC, Joint with CPMT, Carleton Uni.
11	Apr. 29, 2014 (Fidus Systems)	Technical	(DL) Electrical Design for high end Computer Systems (EMCS distinguished lecture)	7/15	EMC, Joint with CASS/EDS/SSC, and AP/MTT
12	8 May 2014, 16:00-17:00 Carleton U	Technical Talk	Dr. Raj Rangayyan, Color Image Processing with Biomedical Applications	3/21	Co-sponsored by EDS, CAS, & SSCS - Joint Chapter of Electron Devices Society, Circuits and Systems Society, and Solid-State Circuits Society
13	Sept. 4, 2014 (Carleton University)	Administrative	IEEE Ottawa CAS/EDS/SSCS Officers Meeting	2/2	CASS/EDS/SSC
14	Nov. 8 2013, Sept. 19 2014)	Administrative	IEEE Ottawa CAS/EDS/SSCS Officers with Students for Mentoring, to discuss and execute the preparations for HPCPS-2013 & HPCPS 2014 (3 meetings were held during May 2013 - Oct. 2013)	2/6	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

activates.

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. Preparations for 2014 edition are 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-2013 and to encourage them to join/participate/volunteer in IEEE activities. Same is planned for the year 2014. Also a student volunteer team (with 10 students) was formed to prepare for the HPCPS-2013, which regularly met.

Awards and Recognition: Major accomplishments of the chapter include several recognitions for its leadership/activities by the CAS (Circuits and Systems) and SSCS (Solid State Circuits) Societies:

- A CASS Chapter Subsidy Grant of \$4000 grant in recognition of the leadership provided by the Ottawa chapter and to further develop IEEE and CASS activities in Ottawa.
- 4 Free IEEE and SSCS student memberships were given to the volunteering students of the chapter by the IEEE Solid State Circuits Society.

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
November 26, 2013, 9-12	Technical presentation	Signal Integrity Considerations in the Design of Super Ultra Speed PCBs	5/15	
December 4, 2013, 8:40-12:50	Workshop	The 2nd Canadian National Capital Region Workshop on Antennas Speakers: Prof. Kowk Wa and Hao Hu	14/30	Ottawa AP/MTT, CPMT, ComSoc/BTS/CES, OS chapter & DoE at Carleton University
December	Workshop	The 2nd	14/30	Ottawa AP/MTT,

4, 2013, 8:40-12:50		Canadian National Capital Region Workshop on Antennas Speaker 1: Dr. Michael Clenet "GNSS Antenna Development at DRDC Ottawa" Speaker 2: Dr. Lin-Ping Shen "Low Profile Multibeam Dual Polarization Antenna Array"		CPMT, ComSoc/BTS/CES, OS chapter & DoE at Carleton
December 19, 2013 , 13:30- 15:30	Technical presentation	" RF products and Vision at NXP" by Patrice Garmand	12/20	CASS/SSCS/EDS Joint Chapter, Department of Carleton University, IEEE Ottawa Section, AP/MTT Joint Chapter, EMCS Chapter, EMBS and CPMTS Chapter
March 28, 2014, 18:30- 21:00	Distinguished Lecture	"Why are people really scared of Electromagnetic Fields (EMF) ?"	14/40	
April 29, 2014 18:00- 20:00	Technical presentation	"Electrical Design for high end Computer Systems"	5/20	AP/MTT Chapter
July 30, 2014, 18:00- 21:00	Technical presentation	"Over The Air Test for Wireless Systems"	3/11	AP/MTT 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,	Activity Type (Tech Meeting, Workshop, DL,	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
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Location	etc) and Brief Description			
6 Oct 2014, 12:00- 13:00, Carleton U	Technical Talk	Dr. Gabirel Wainer: Modeling and Simulation of Biomedical Applications with the DEVS formalism	TBD	No
26 Sep 2014 13:30- 14:30 Carleton U	Technical Talk	Dr. Andrew Speirs Cartilage biomechanics: A multidisciplinary approach to understanding tissue function and degeneration	1/18	No
22 Sep 2014 12:00- 13:00 Carleton U	Technical Talk	Dr. Chris Harder Point of care DNA diagnostics: faster, better, cheaper	19/5	No
10 Sep 2014 12:00- 13:30 UOttawa	Distinguished Lecture, Technical Talk	Prof. Bhaskar D. Rao Bayesian Methods for Sparse Signal Recovery (IEEE Signal Processing Society Distinguished Lecture)	60/10	Co-sponsored by IEEE Ottawa Joint Chapter of Signal Processing, Oceanic Engineering, and Geoscience and Remote Sensing, the IEEE Ottawa Engineering in Medicine and Biology Society Chapter (EMBS), The IEEE Ottawa Communications Society, Broadcast Technology Society, and Consumer Electronics Society (ComSoc/BTS/CES) Joint Chapter, the IEEE Computational Intelligence Society and the Systems, Man & Cybernetics Ottawa Joint Chapter, IEEE Ottawa Chapter of Computer Society, IEEE Ottawa Section Life Members Affinity, IEEE Ottawa Section (OS), and NSERC DIVA Netw
12 May 2014 10:00-	Workshop on Radars and Radar Signal Processing:	Dr. Anthony (Tony) Ponsford:	28/37	Co-sponsored by IMS - Instrumentation and

12:00 UOttawa	Part I	An Introduction of Modern Radars		Measurement Society, SP, OE, & GRS - Joint Chapter of Signal Processing, Oceanic Engineering, and Geoscience and Remote Sensing, VTS - Vehicular Technology Society, AESS - Aerospace and Electronic Systems Society, WIE Affinity - Women in Engineering, Life Members Affinity, and Young Professionals
12 May 2014 13:00-15:00 UOttawa	Workshop on Radars and Radar Signal Processing: Part II	Dr. Balaji Bhashyam: Radar Signal Processing	28/37	Co-sponsored by IMS - Instrumentation and Measurement Society, SP, OE, & GRS - Joint Chapter of Signal Processing, Oceanic Engineering, and Geoscience and Remote Sensing, VTS - Vehicular Technology Society, AESS - Aerospace and Electronic Systems Society, WIE Affinity - Women in Engineering, Life Members Affinity, and Young Professionals
8 May 2014, 16:00-17:00 Carleton U	Technical Talk	Dr. Raj Rangayyan, Color Image Processing with Biomedical Applications	3/21	Co-sponsored by EDS, CAS, & SSCS - Joint Chapter of Electron Devices Society, Circuits and Systems Society, and Solid-State Circuits Society
30 April 2014, 19:00-20:00 Algonquin College	Technical Talk	Dr. Bijan Raahemi, Data Mining and Knowledge Discovery in Health Care and Medicine	14/49	Sponsored by IEEE Ottawa, Association of IEEE Consultants Network.
20 March 2014, 12:00-13:00 Carleton U	Technical Talk	Dr. Jeff Dawson Learning from insects – they are not squishy and icky	1/8	None
6 March	Technical Talk	Dr. WonSook Lee	2/11	None

2014, 12:00-13:00 Carleton U		Computer Assisted Hip Modeling, Simulation and Visualization		
23 Jan 2014, 12:00-13:00 Carleton U	Technical Talk	Dr. Sylvain Pitre Advances in Computational Protein-Protein Interaction Prediction	5/17	None
19 Dec 2013, 13:30-15:00 Carleton U	Technical Talk	Dr. Patrice Gamand RF products and Vision at NXP		None
28 Nov 2013, 15:00-16:30 Carleton U	Technical Talk	Dr. Rolf Clackdoyle Accurate Tomographic Imaging Requires Less Measurement Data Than We Thought		None
21 Nov 2013, 15:00-16:00 Carleton U	Technical Talk	Dr. Hilmi Dajani Interfacing between the brain and hearing-aid		None

Unique events: The CU@EMBS student club held eight 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 educational outreach events (week-long mini-enrichment course for high school students) to purely social events (CU@EMBS Winterlude skating party). These events were well attended and enjoyed..

Proposed events:

- a) We will have at least 2 DLs next year: We will have to obtain sponsorship from participating entity to get an equivalent amount from EMBS HQ.
- b) We propose to have an EMBS Women workshop. We will have to obtain sponsorship from participating entity to get an equivalent amount from EMBS HQ
- c) We hope to have several student run events (through CU@EMBS)
- d) We propose to bring EMBS related conferences to Ottawa. We need support from the section for the initial travel funding to present the proposal and also seed funding for these activities. Budget: \$2500 for travel and seed funding is TBD.

IMS – Instrumentation and Measurement SocietyChair: Voicu Groza, vgroza@ieee.orgVice 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
12/05/2014 10:00	This seminar introduces the major components of the modern radar system, the derivation of the radar range equation, techniques to improve the performance and concludes with a review of basic tracking and modern radars.	Workshop on Radars and Radar Signal Processing: Part I, Introduction to Modern Radars / Dr. Anthony Ponsford	26/37	EMBS,IM, SP,OE and GRS Joint Chapters, Young Professional, VTS, AESS and WIE
12/05/2014 13:00	This talk gives a broad overview of the mathematical and practical aspects of radar signal processing.	Part II, Mathematical and Practical Aspects of Radar Signal Processing / Dr. Balaji Bhashyam	26/37	EMBS,IM, SP,OE GRS, VTS, AESS and WIE
02/09/2014 14:00	DL: seminar covered: wide area power, quality monitoring systems using synchronization based on GPS, efficiency measurements of solid-state lighting and the electrical power of appliances in standby	Quantum Voltage Standards and Electrical Power Standards at National Measurement Institute Australia / Dr. Dimitrios Georgakopoulos	15/46	IMS, PES R&PELS, Educational Activities
02/09/2014 18:00	Tech Meeting	Quantum Voltage Standards / Dr.	4/4	EA, Algonquin College, IMS

		Georgakopoulos		
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Unique events: The members of the IMS Ottawa chapter supported the organization of the IEEE International Symposium on Medical Measurements and Applications MeMeA 2014 and contributed to the activity of the P-1721 standard project in the frame of the Instrumentation and Measurement Society's Technical Committee on Medical and Biological Measurements IMS TC-25..

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
October 24, 2013 (was not reported in the 2013 report)	Technical Symposium	Recent Advances in Photonics - Program: 1:30 – 2:00 pm Registration / coffee and networking 2:00 – 2:15 pm Introduction and opening remark 2:15 - 3:25 pm DL speaker Dr Chris Barty “The National Ignition Facility and the Pursuit of Star Power on Earth” 3:25 - 4:20 pm Local speaker Dr. Paul Corkum “Attosecond Science and Technology” 4:20 - 4:40 pm Coffee break 4:40 - 5:50 pm DL speaker Dr Chris Barty “Petawatts, Exawatts, and Zettawatts-A Survey of the Worldwide Explosion of Interest in Ultrahigh Intensity Lasers” 5:50 - 6:00 pm Closing remark	45	IEEE Ottawa University Student Branch Photonics Chapter
November 14, 2013	Technical Seminar	Can fibers replace all (most) lasers? a.k.a Nonlinear Optics with Bessel Beams in Fibers Siddharth Ramachandran, ECE Department, Boston University,	24	-

		Boston, MA, USA		
December 11, 2013	Technical Forum	IEEE Ottawa Photonics Forum – Program: 6:00pm Registration & Networking 6:30pm Keynote Speaker – Simon Poole, Director, New Business Ventures at Finisar (Australia) 7:20pm Guest Speaker – Ömür Sezerman, President & CEO, OZ Optics (Canada) 8:10pm Closing remarks	30	Invest Ottawa
February 7, 2014	Technical Symposium	Recent Advances in Photonics – Program: 8:30am Registration and Networking 9:00am Opening Introduction 9:05am Invited Speaker: Dr. Thangam Parameswaran, NRCAN, Canada, Optical Methods for Combustion Applications, Part 1: Spectroscopic Applications 9:35am Invited Speaker: Dr. Cecilia Lam, NRCAN, Canada, Optical Methods for Combustion Applications, Part 2: Flow and Imaging Applications 10:05am Featured Research Center: Prof Pierre Berini, University of Ottawa, Canada, "Introduction to CRPuO the uOttawa Center for Research in Photonics" 10:25am Coffee Break 10:40am Invited Speaker: Prof Jacques Albert, Carleton University, Ottawa, Canada, Random nanoplasmonics: the key for low cost, high resolution biochemical sensing 11:20am IEEE PS Distinguished Lecturer: Prof David Sampson, The University of Western Australia, Crawley, Australia, Photonics enables a microscope	25	NRC Invest Ottawa IEEE uOttawa Student Branch Photonics Chapter

		in a needle for imaging deep in tissues 12:20pm Closing Remark, Symposium Adjourns		
May 28 – 30, 2014	International Conference	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 includes the participation of a stellar group of invited researchers representing the latest worldwide trends in photonic research and industry. PHO36 Ottawa Chapter is a key organizer and technical sponsor of the conference. http://www.photonicsnorth.com	427	Photonics North, CPIC, RPQ, INO, COPL
June 9, 2014	Technical Seminar	IEEE PS Distinguished Lecturer: Prof. José Capmany, Universitat Politècnica de Valencia, Spain, “Integrated Microwave Photonics”	33	-
August 18, 2014	Technical Seminar	IEEE ComSoc Distinguished Lecturer: Prof. Koichi Asatani, Professor Emeritus, Kogakuin University, Japan, “Trends and Issues of FTTH and G-PON”	37	ComSoc/CES/BTS, RS/PELS, CS, AP/MTT, IPS, and Algonquin College Student Branch

Proposed events: 2015 is the International Year of Light and light-based technologies as designated by the UN and supported by the IEEE Photonics Society. In addition to our regular seminars and symposiums our chapter will bring the international conference Photonics North to Ottawa again (June 9-11, 2015, Ottawa). Not only we plan to play a major role in organizing the conference as a technical sponsor, we also plan to work together with the IEEE Ottawa Section to organize a series of events at the local grass root level to promote the light-based technologies and academic and business networking. These include setting up booth and light demonstrations at local science events and student robotic competition event; organizing business centric speaking and networking events, etc.

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
2014-09-02	Technical Meeting/Seminar	Quantum Voltage Standards and Electrical Power Standards at National Measurement Institute Australia, by Dr. Dimitrios Georgakopoulos	1) 15/45, at 2-3 pm, at NRC 2) 4/4, at 6:30-8:00 pm, at Algonquin College	IMS, PES, and R & PEL Chapters, and Algonquin College IEEE Student Branch
July 17, 2014, 6:00-9:00 pm, Algonquin College	Technical Meeting: "Open Source" or "Free and Open Source". Meeting focused on the history and fundamentals of Open Source solutions in general and in the context of humanitarian initiatives (under HIC).	Open Source and Open Hardware, Slippery Slope or a Brave New World	11	R-PELS, ComSoc/CE S/BTS, SSIT, SIGHT
Start Time 2014-03-20 18:10:00 End Time 2014-03-20 19:40:00 Ottawa	Technical	Mechanical Reliability in Electronics: A lifetime of strange failures and conditions Hugh M Reekie, P.Eng., IEEE SM	16/17	CES, ComSoc/CES/BTS and Algonquin College Student Branch
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,
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

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
August 18, 2014	Technical	Acceptance and efficiency testing of newly installed hydro generators SPEAKERS: Emmanuel Côté & David Jarry-Bolduc, Hydro-Québec, Montreal, Quebec		

Unique events: The IEEE Ottawa Section and the IEEE Ottawa ComSoc / CESoc / BTS 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.

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
26/06/2014	Technical Meeting	Control of cooperative vehicles	13/7 = 20	No
26/06/2014	Technical Meeting	Control of platoons of	12/7 = 19	No

		robots		
20/05/2014	Technical Meeting	Fire detection using mobile robots	18/7 = 25	No
9/09/2014	Technical Meeting	Navigation of mobile robot using voting logic	12/8 = 20	No

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
2014-09-02 18:00:00 Algonquin College	Technical	"Quantum Voltage Standards and Electrical Power Standards at National Measurement Technical Institute Australia" /	4	IMS, PES, Educational Activities and Algonquin College Student Branch
2014-07-17 18:00:00 Algonquin College	Technical	"Open, A Slippery Slope or a Brave New World" / Mr. Glenn McKnight	11	ComSoc/CES/BTS, SIGHT, SSIT, Algonquin College Student Branch
2014-03-20 18:10:00 Algonquin College	Technical	"Mechanical Reliability in Electronics: A lifetime of strange failures and conditions" / Mr. D Hugh M Reekie, P.Eng., IEEE SM	17	BTS, CES, CS, PES and Algonquin College Student Branch

Best practices:

- Inviting other IEEE chapters and affinity co-sponsorship;
- Holding meeting of interest to the members;
- Holding meetings preferably on a Tuesday, Wednesday, or Thursday;
- Having great tasty and healthy light food and variety of beverages for the networking period.

Unique events:

- The executive was involved in the International Humanitarian Technology Conference in Montreal, June 2014, www.ihtc.ieee.ca

- The executive is involved in IM2015, IHTC2015, EPEC2016 and EMC2016.

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 30, 2014, Algonquin College	Technical srminar by Prof. Thompson of University of Edinburgh	Overview of Green Wireless Communications Research at Edinburgh		The IEEE Ottawa Section, IEEE Ottawa Joint Chapter of Communications Society, Consumer Electronics Society, and Broadcast Technology Society (ComSoc/CESoc/BTS), IEEE Ottawa Photonics Society (IPS), IEEE Ottawa Computers Society (CS), IEEE Ottawa Microwaves/Antennas/Propagation Society(AP/MTT), IEEE Ottawa Reliability Society & Power Electronics Society Joint Ottawa Chapter (R/PEL) and Algonquin College Student Branch in conjunction with School of Advanced Technology, Algonquin College
May 02, 2014, University of Ottawa	Technical seminar by Prof. Pan of University of Victoris	Topology Control for Vehicular Ad Hoc Networks	10/20	University of Ottawa
Sept. 10, 2014, University of Ottawa	IEEE Signal Society Distinguished Lecture by Dr. Bhaskar Rao of University of California, San Diego	Bayesian Methods for Sparse Signal Recovery	15/50	IEEE Ottawa Engineering in Medicine and Biology Society Chapter (EMBS), The IEEE Ottawa Communications Society, Broadcast Technology Society, and Consumer Electronics Society (ComSoc/BTS/CES) Joint Chapter, the IEEE Computational Intelligence Society and the Systems, Man & Cybernetics Ottawa Joint Chapter, IEEE Ottawa Chapter of Computer

				Society, Life Member Affinity Group, IEEE Ottawa Section (OS), and NSERC DIVA Network
September 9-10, 2014, CRC, Ottawa	Workshop	The Fourth Canadian Tracking and Fusion Group Workshop held in Ottawa, Canada	10/40	IEEE Ottawa Section and DRDC

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

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

Co 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
April 9, 2014, 6:30-9:00 pm, Air Force Mess	Technical Meeting/Workshop: Workshop on building your personal brand (Part I).	Personal Branding: <i>Know Yourself</i>	63	AICN/ TMC/PCS/SSIT
May 7, 2014, 6:30-9:00 pm, Algonquin College	Technical Meeting/Workshop: Workshop on building your personal brand (Part II).	Personal Branding: <i>Speed Networking</i>	36	AICN/ TMC/PCS/SSIT
July 17, 2014, 6:00-9:00 pm, Algonquin College	Technical Meeting: “Open Source” or “Free and Open Source”. Meeting focused on the history and fundamentals of Open Source solutions in general and in the context of humanitarian initiatives (under HIC).	Open Source and Open Hardware, Slippery Slope or a Brave New World	11	R-PELS, ComSoc/CES/BTS, SSIT, SIGHT

Unique events:

- IEEE Ottawa Section Professional Development Seminar Series Initiative: Strategic meeting held (April 8, 2014 in Ottawa) with the President and CEO of the Ontario Society of Professional Engineers (OSPE) and the Vice-Chair of the Ottawa Chapter of Professional Engineers Ontario (PEO) to discuss better linkages and synergy in putting forward an IEEE Ottawa Section Professional Development Seminar Series (PDSS) Workshops and Webinars. The goal is to leverage from OSPE and PEO to maximize learning opportunities for IEEE members and non-members, particularly in the area of interpersonal skills learning, training and development. A draft MOU with OSPE and PEO has been developed and is in the process of being finalized.

Proposed events:

- IEEE Ottawa Section Professional Development Seminar Series Workshops and Webinars (developing interpersonal skills both personally and professionally). Webinars/workshops will be held throughout the year (envisage 3 workshops/webinars on interpersonal skills development) in 2015. The first major workshop will be held November 12, 2014. 2015 dates and budget to be determined. IEEE Canada (R7) is looking at the IEEE Ottawa Section's PDSS as a case study/pilot for a potential program at the national level.
- Memorandum of Understanding (MOU) with PEO and OSPE on Professional Development Seminar Series (workshops and webinars) for IEEE Ottawa Section. The MOU will come into effect upon the signing of the final MOU.

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
12 May 2014 10:00-12:00 UOttawa	Workshop on Radars and Radar Signal Processing: Part I	Dr. Anthony (Tony) Ponsford: An Introduction of Modern Radars	28/37	Co-sponsored by IMS - Instrumentation and Measurement Society, SP, OE, & GRS - Joint Chapter of Signal Processing, Oceanic Engineering,

				and Geoscience and Remote Sensing, VTS - Vehicular Technology Society, AESS - Aerospace and Electronic Systems Society, WIE Affinity - Women in Engineering, Life Members Affinity, and Young Professionals
12 May 2014 13:00-15:00 UOttawa	Workshop on Radars and Radar Signal Processing: Part II	Dr. Balaji Bhashyam: Radar Signal Processing	28/37	Co-sponsored by IMS - Instrumentation and Measurement Society, SP, OE, & GRS - Joint Chapter of Signal Processing, Oceanic Engineering, and Geoscience and Remote Sensing, VTS - Vehicular Technology Society, AESS - Aerospace and Electronic Systems Society, WIE Affinity - Women in Engineering, Life Members Affinity, and Young Professionals
18 June 2014	Technical field visit	Visit to CBC Monitoring Station, Carp	6 + 6	AESS
18 March 2014	Technical presentation	Evolution to LTE Advanced – Frank Rayal	15 + 15	various

Proposed events for next year include:

- Visit to NRC wind tunnel, Uplands
- Marine activities/projects - Skywave

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
Mar 18 2104 Algonquin College 18:00	(Tech Meeting) With over 266 networks in 99 countries, LTE is the de facto world-standard for mobile communications. This presentation will address the evolution of LTE to meet ITU requirements for high mobile broadband data rates.	<i>Evolution to LTE Advanced</i> Frank Rayal, P.Eng, SMIEEE.Founding Partner – Xona Partners	35/21	IET Ottawa
April 9 2014 RCAF Mess 18:30	(Workshop) Know Yourself We're all wired a bit differently, and personal branding begins by understanding how you are wired and developing an accurate inventory of who you are and what you care about. Your own branding sweet spot lies at the intersection of your personal wiring, your interests, and your work and life experiences. Through a systematic probing of this intersection	<i>Personal Branding - Part I</i> Tim Ragan- <i>Owner/Principal – Career Coaching International</i>	63/20	

	you can develop your authentic brand, choosing the words and phrases that best express your attributes, capabilities and work personality. This session will help you get career clarity while providing you a straightforward recipe for building your brand.			
April 30 2014 Algonquin College 18:30	(Tech Meeting) Knowledge Discovery and Data Mining (KDD) is the nontrivial process of extracting implicit, novel, and useful information from large volume of data. Major applications of Knowledge Discovery and Data Mining in healthcare fall into four categories: (a) Clinical Medicine (b) Public Health (c) Healthcare Text mining (d) Healthcare Policy and Planning. Data mining also helps health planners to solve resource allocation problems and capacity issues. In this talk, we present the results of two recent studies conducted in the Knowledge	Data Mining and Knowledge Discovery in Healthcare and Medicine Bijan Raheemi, PhD PEng SMIEEE – Telfer School of Management, uOttawa	49/14	IEEE EMBS, IET Ottawa

	Discovery and Data Mining lab at the University of Ottawa: (a) Predicting High Cost Patients in General Population using Data Mining Techniques (b) Brain-based Biomarkers for Depression Diagnoses			
May 7 2014 Algonquin College 18:30	(Workshop) Speed Networking As the second part of the workshop you will learn how to effectively connect with people in an offline world. With our structured speed networking activity, you will have the opportunity to practice connecting and communicating your brand. We make sure to take the 'scare factor' out of the process, by providing some clear direction in a friendly environment to help get you started in your quest to connect your brand story to real people and get valuable feedback in the process.	Personal Branding - Part II Tim Ragan- <i>Owner/Principal – Career Coaching International</i>	36/13	

Proposed events:

- Workshop on tax, liability and other issues relevant to those who wish to practice as consultants or similar roles. Workshop format jointly with other IEEE chapters

- Technical presentation on Wireless Networks and “state of the art”
- Presentation on Financial Planning and Taxation for self-employed/consultants
- Talk on Internet of Things (IoT)

YP – Young Professionals

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

Vice Chair: Lubna Rasheed, lubnarasheed@ieee.org

Treasurer: Usman Mushtaq, umushtaq@ieee.org

Secretary: Alawi Assaggaf, assaggaf@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
Date: Tuesday, April 1st 2014, 5:30pm - 8pm Location: Fairmont Château Laurier, 1 Rideau Street, Ottawa	2014 SysCon STEP event - a FREE networking event that connected industry, academia and students in the light of the international systems engineering community	IEEE International Systems Conference Networking Event Systems Engineering - Much More than a Career Path	100% - about 100 attendees	2014 SysCon
12 May 2014 10:00-12:00 UOttawa	Workshop on Radars and Radar Signal Processing: Part I	Dr. Anthony (Tony) Ponsford: An Introduction of Modern Radars	28/37	Co-sponsored by IMS - Instrumentation and Measurement Society, SP, OE, & GRS - Joint Chapter of Signal Processing, Oceanic Engineering, and Geoscience and Remote Sensing, VTS - Vehicular Technology Society, AESS - Aerospace and Electronic Systems Society, WIE Affinity - Women in Engineering, Life

				Members Affinity, and Young Professionals
12 May 2014 13:00-15:00 UOttawa	Workshop on Radars and Radar Signal Processing: Part II	Dr. Balaji Bhashyam: Radar Signal Processing	28/37	Co-sponsored by IMS - Instrumentation and Measurement Society, SP, OE, & GRS - Joint Chapter of Signal Processing, Oceanic Engineering, and Geoscience and Remote Sensing, VTS - Vehicular Technology Society, AESS - Aerospace and Electronic Systems Society, WIE Affinity - Women in Engineering, Life Members Affinity, and Young Professionals
Date: December 12, 2013 at 6pm Location: Red Chilli Thai (dinner at 6pm) and McArthur Lanes (bowling at 8pm)	year-end holiday social (evening of bowling) and networking with fellow young professionals	2013 Year-End Holiday Social	7/7	-
Roughly every couple of weeks	Administrative	Planning Meeting	3/3	-

Proposed events:

- IM 2015 (<http://im2015.ieee-im.org/>) YP event – a networking STEP evening or speaker panel
- 3D printing/graphics workshop at CentrepoinTE Library in Nepean
- Workshops or hackathons in conjunction with R7 YP groups
- Annual BBQ (August) and other social events

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
10 Sep 2014 12:00-13:30 UOttawa	Distinguished Lecture, Technical Talk	Prof. Bhaskar D. Rao Bayesian Methods for Sparse Signal Recovery (IEEE Signal Processing Society Distinguished Lecture)	60/10	Co-sponsored by IEEE Ottawa Joint Chapter of Signal Processing, Oceanic Engineering, and Geoscience and Remote Sensing, the IEEE Ottawa Engineering in Medicine and Biology Society Chapter (EMBS), The IEEE Ottawa Communications Society, Broadcast Technology Society, and Consumer Electronics Society (ComSoc/BTS/CES) Joint Chapter, the IEEE Computational Intelligence Society and the Systems, Man & Cybernetics Ottawa Joint Chapter, IEEE Ottawa Chapter of Computer Society, IEEE Ottawa Section Life Members Affinity, IEEE Ottawa Section (OS), and NSERC DIVA Netw
12 May 2014 10:00-12:00 UOttawa	Workshop on Radars and Radar Signal Processing: Part I	Dr. Anthony (Tony) Ponsford: An Introduction of Modern Radars	28/37	Co-sponsored by IMS - Instrumentation and Measurement Society, SP, OE, & GRS - Joint Chapter of Signal Processing,

				Oceanic Engineering, and Geoscience and Remote Sensing, VTS - Vehicular Technology Society, AESS - Aerospace and Electronic Systems Society, WIE Affinity - Women in Engineering, Life Members Affinity, and Young Professionals
12 May 2014 13:00-15:00 UOttawa	Workshop on Radars and Radar Signal Processing: Part II	Dr. Balaji Bhashyam: Radar Signal Processing	28/37	Co-sponsored by IMS - Instrumentation and Measurement Society, SP, OE, & GRS - Joint Chapter of Signal Processing, Oceanic Engineering, and Geoscience and Remote Sensing, VTS - Vehicular Technology Society, AESS - Aerospace and Electronic Systems Society, WIE Affinity - Women in Engineering, Life Members Affinity, and Young Professionals
16 Nov 2013 09:15-10:00 Carleton U	HPCPS 2013 Technical EMC-DL	Prof. M. Swaminathan Devices, Circuits, Packages and Systems Understanding their Interplay for Managing Signal, Power and Thermal Integrity (HPCPS-2013 Keynote Talk)	40/54	CASS/EDS/SSC, Joint with AP/MTT, EMC, Carleton Univ, Area East
16 Nov 2013 14:10-14:55 Carleton U	HPCPS 2013 Technical	Prof. L Daniel, Stochastic based parametric modeling for High-Speed Designs (HPCPS-2013 Invited Talk)	40/54	CASS/EDS/SSC, Joint with AP/MTT, EMC Carleton Uni., Area East

16 Nov 2013, 10:00-10:45 Carleton U	HPCPS 2013 Technical	Dr. W. Beyene, Fundamentals and Advances in High-Speed Serial Links and SERDES design (HPCPS-2013 Invited Talk)	40/54	CASS/EDS/SSC, Joint with AP/MTT, EMC Carleton Uni., Area East
16 Nov 2013, 16:00-16:45 Carleton U	HPCPS 2013 Technical DL	Prof. F. Maloberti, Technology Scaling and its Impact on Analog Design (CASS distinguished lecture)	40/54	CASS/EDS/SSC, Joint with AP/MTT, EMC Carleton Uni., Area East
16 Nov 2013 11:10-11:55 Carleton U	HPCPS 2013 Technical	Prof. F. Najm, Verification in Power Distribution Networks (HPCPS-2013 - Keynote Talk - II)	40/54	CASS/EDS/SSC, Joint with AP/MTT, EMC Carleton Uni., Area East
16 Nov 2013 1455:15:40 Carleton U	HPCPS 2013 Technical	Prof. Q.J. Zhang, Fundamentals and Advances Modeling and Analysis of High-Speed circuits and Systems Using Neural Networks(HPCPS-2013 Invited Talk)	40/54	CASS/EDS/SSC, Joint with AP/MTT, EMC Carleton Uni., Area East
16 Nov 2013 16:45-17:30 Carleton U	HPCPS 2013 Technical DL	Prof. M. R. Stan, Breaking the 3D power delivery walls using voltage stacking (CASS distinguished lecture)	40/54	CASS/EDS/SSC, Joint with AP/MTT, EMC Carleton Uni., Area East
16 Nov 2013 11:55-12:40 Carleton U	HPCPS 2013 Technical DL	Prof. D. Gope, Parallel Computing for EDA with emphasis on high-speed Designs (HPCPS-2013 Invited Talk)	40/54	CASS/EDS/SSC, Joint with AP/MTT, EMC Carleton Uni., Area East

WIE – Women in Engineering

Chair: Winnie Ye, Winnie_ye@carleton.ca

Vice Chair: Melike Erol-Kantarci

Webmaster: Shengrong Bu

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

March 13, 2014, 6pm-10pm, RA Centre, 2451 Riverside Dr, Ottawa, ON	Networking event	Networking event	40	IEEE Student Branch WIE Affinity Groups at University of Ottawa and Carleton University
Oct 7, 2014, 1-5pm, Carleton University	Joint Public Seminar	Dr. Donna Strickland (former president of OSA); Dr. Maria Rey (former DND director)	50	IEEE Student Branch WIE Affinity Group, SPIE Student Chapter, IEEE Photonics Society

Student Branches

Algonquin College

Chair: Faghbohumi Oluwadara, fagb0001@algonquinlive.com

Vice Chair: Dmitry Klishch, klis0004@algonquinlive.com

Secretary: Abdulmagid Abdulmagid

Treasurer: Andrew Limaylla-Abad

Women in Engineering-WiE: Sara Elagbani

Membership Development: Abdul Rahim Abdul Majid

Past Chair: Brett Tylor

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
28 Oct 2013 18:30–20:00 Room T129 Algonquin College	Technical Seminar	Carrier Ethernet for Cloud Computing by Peter Green	IEEE/Total 17/24	ComSoc/BTS/CES, IPS, CS, AP/MTT, and RS/PELS Chapters, and Algonquin College
18 Aug 2014 18:30–20:00 Room T129 Algonquin College	IEEE Distinguished Lecture	Trends and Issues of FTTH and G-PON by Prof. Koichi Asatani	IEEE/Total 26/37	ComSoc/CES/BTS, RS/PELS, CS, IPS and AP/MTT Chapters and Algonquin College Student Branch
July 17, 2014, 6:00-9:00 pm, Algonquin	Technical Meeting: “Open Source” or “Free and Open Source”. Meeting	Open Source and Open Hardware, Slippery Slope or a Brave New World	11	R-PELS, ComSoc/CES/BTS, SSIT, SIGHT

College	focused on the history and fundamentals of Open Source solutions in general and in the context of humanitarian initiatives (under HIC).			
30 April 2014 18:00–20:00 Room T129 Algonquin College	Technical Seminar	Overview of Green Wireless Communications Research at Edinburgh by Prof. John Thompson	IEEE/Total 21/30	ComSoc/CES/BTS, RS/PELS, CS, AP / MTT, SP / OE / GRS, IPS, and Algonquin College Student Branch
10) 28 Mar 2014 18:30–21:00 Room T129 Algonquin College	IEEE Distinguished Lecture	Transmitting consumer products and electro-phobia: Why are people REALLY scared of electromagnetic Fields? By Elya B. Joffe	IEEE/Total 26/40	ComSoc/BTS/CES AP/MTT, and EMC Chapters, and Algonquin College
March 28, 2014 Royal Military College		IEEE Eastern Ontario Oral Student Paper Competition		
Start Time 2014-03-20 18:10:00 End Time 2014-03-20 19:40:00 Ottawa	Technical	Mechanical Reliability in Electronics: A lifetime of strange failures and conditions Hugh M Reekie, P.Eng., IEEE SM	16/17	CES, ComSoc/CES/BTS and Algonquin College Student Branch
Mar 18 2104 Algonquin College 18:00	(Tech Meeting) With over 266 networks in 99 countries, LTE is the de facto world-standard for mobile communications. This presentation will address the evolution of LTE to meet ITU requirements for high mobile broadband data	Evolution to LTE Advanced Frank Rayal, P.Eng, SMIEEE.Founding Partner – Xona Partners	35/21	IET Ottawa

	rates.			
March 21, 2014, RA Centre	Career Fair Booth, Membership Recruitment and Retention	SPAC		Carleton SB, Algonquin SB, Ottawa U SB, OS, OS MDC

Unique events:

- IEEE Algonquin College Student Branch Meeting, Thursday, January 9, 2014, to recruit new members.
- IEEE Algonquin College Student Branch Meeting, Thursday, January 30, 2014, to recruit new members
- IEEE Algonquin College Student Branch Meeting, Thursday, February 6, 2014, to recruit new members.
- IEEE Algonquin College Student Branch Meeting, Tuesday, February 27, 2014, to recruit new members
- IEEE Algonquin College Student Branch Meeting, Thursday, March 6, 2014, with staff and Student to arrange student activities and recruit new staff and Student members.
- IEEE Algonquin College Student Branch Meeting, Thursday, March 31, 2014, to recruit new members.
- IEEE Algonquin College Student Branch Meeting, Thursday, April 3, 2014, Branch meeting.
- IEEE Algonquin College Student Branch, Thursday, April 24, 2014, Branch meeting.
- IEEE Algonquin College Student Branch Meeting, Thursday, April 30, 2014, Branch celebrates the end of the winter semester.
- IEEE Algonquin College Student Branch Meeting, Thursday, September 4, 2014, 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 10, 2014, in ACCE building (CA), from 10:00 a.m. to 3:00 p.m., Algonquin College.
- IEEE Algonquin College Student Branch, Branch Election. Complete the section members of the branch and new members. The total IEEE Algonquin College Student Branch has 9 Executives. New students members are joining the branch this year.
- 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.
- Faghbohumi Oluwadara, IEEE Algonquin College Student Branch Chair, attended IEEE Student Congress in Mississauga, Ontario
- Dmitry Klishch, IEEE Algonquin College Student Branch, as Vice-Chair.
- IEEE Algonquin College Student Branch participates in many volunteers to cover IEEE Ottawa Section Activities.
- Attended IEEE Ottawa Section GM.

Carleton UniversityChair: Amente Bekele, chair@ieee.carleton.caVice-Chair: Maytham Sabbagh, vicechair@ieee.carleton.ca

Secretary: Vivian Liu, 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
21-Mar-2014	Networking Event	SPAC (Student Professional Awareness Conference)	250	IEEE Ottawa Section, Carleton University, Erricson, Pythian, JGR Optics, Canadian Forces, Cisco, Carleton Student Engineering Society, Chipworks, The Engineering Institute of Canada, HydroOttawa
22-Feb-2014	Gaming Event	BattleRoyale 7	130	AMD, Algonquin College, Desjardins, UOttawa FOE, IEEE Ottawa Section, Whitebox Systems
March 31, 2014	Competition	ELEC 3500 FPGA Competition	14	
March 25, 2014	Competition	Oral Papers Competition	20	
March 13, 2014	Networking Event	WIE wine and cheese	60	

Unique Events:

- SPAC (Student Professional Awareness Conference)
- BattleRoyale 7
- ELEC 3500 FPGA Competition
- Oral Papers Competition
- WIE wine and cheese

Proposed Events:

- SPAC (Student Professional Awareness Conference)
- BattleRoyale 8
- ELEC 3500 FPGA Competition
- WIE wine and cheese

University of Ottawa

Chair: Stephanie Zeidan, chair@ieeeuottawa.ca

Vice Chair: Mohammed Chamma

Treasurer: Deborah Paul

Webmaster: Trung Do

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

Other Roles:

- Vice-Chair: Mohammed Chamma
- Treasurer: Deborah Paul
- VP Academic Affairs: Rana Khalil
- VP Communications: Md Rizwanul Haque
- VP External Affairs: Janac Meenachisundaram
- VP Internal Affairs: David Le
- VP Social: Jyritt French
- McNaughton Centre Admin: Mark Tamer
- Secretary: Maryam Alshehab
- Webmaster: Trung Do
- WIE Chair: Stephanie Zeidan
- Faculty Advisor: Shervin Shirmohammadi

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
September 2 nd , 2013	101 Week Clubs Day	Networking Event	45 Names received	University of Ottawa Engineering Faculty
September 3 rd , 2013	Sub-Association Day	Networking Event	50 Names Received	Engineering Student Society
October 1 st , 2013	Open House	IEEE Day	45 Students	
October 24 th , 2013	IEEE Symposium on Photonics	Speakers: Christopher Barty and Paul Corkum		Photonics Student Group
November 16 th , 2013	Sub-Olympics	All Branch Event involved	30 Students	Engineering Student Society
November 27 th , 2013	Networking	WIE Zumba Night	35 Students	WIE Student Group
December 18 th , 2013	Networking	uOttawa Holiday Dinner	20 Students	
November 26 th , 2013	Technical Talk	IAS Seminar – Photonics Student Branch	20 Attendees	Huawei Device and

				Photonics Student Group
February 24, 2014	Technical Talk	WIE-Photonics Seminar	Dr. Ksenia Dolgaleva	IEEE WIE Student Group
February 5 th , 2014	WIE Industry Tour	Hydro Ottawa	25 Students	Hydro Ottawa
March 8 th , 2014	Technical Workshop	Arduino Workshop	30 Students	
February 22-23, 2014	IEEE Battle Royale	LAN Competition	200 + attendees	
February 28 th , 2014	Engineering Clubs Day	Networking Event	40 Attendees	Engineering Student Society
March 13, 2014	Networking Event	Wine and Cheese	55 + Industry and Academia Professionals	IEEE WIE Carleton Student Group
March 17 th , 2014	IEEE SPIE Coffee Social	Photonics Student Branch	25 Attendees	
March 21 st , 2014	Conference	SPAC	175 Attendees	IEEE Carleton Student Branch
March 25 th , 2014	IEEE uOttawa AGM	Student Branch	30 Students	

Best Practices:

- IEEE WIE Wine and Cheese (Received Great Feedback)
- Photonics Seminars
- IEEE Battle Royale

Awards and Recognitions:

- George Armitrage Outstanding Student Branch Award
- McNaughton Center Grant

Unique Events:

- WIE Zumba Night
- IEEE Battle Royale
- Hydro Ottawa Tour with WIE
- Photonics Seminars

Proposed Events:

- More technical workshops
- More networking events (Low-key such as coffee networking events)

IEEE Ottawa Section Executive 2014

The current IEEE Ottawa Section executive officers are as follows:

- Chair: Dr. Rami Abielmona, SMIEEE, P.Eng. - rabelmo@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

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

IEEE Ottawa Section Elections for 2015

The Section officers proposed by the Nomination and Appointments Committee for the Ottawa Section Executive in 2015:

- Chair: Mrs. Janet Davis, SMIEEE – janet.davis@ieee.org
- Vice Chair: Ms. Anissa Shaddy - anissa@ieee.org
- Treasurer: Dr. Mike Bourassa, SMIEEE - michael.bourassa@ieee.org
- Secretary: Dr. Rafael Falcon - rfalcon@ieee.org
- Past Chair: Dr. Rami Abielmona, SMIEEE, P.Eng. - rabelmo@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 Sreeraman Rajan sreeraman@ieee.org no later than Oct. 1, 2014.

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 2014 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
Anissa Shaddy	Treasurer	anissa@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		
Alya Othman	Chair and Editor	alyaothman@gmail.com
Yolina Petkova		yolina.petkova@gmail.com
Akshay Puli	Webmaster	akshay.puli.ca@ieee.org
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		
Alfredo Herrera	Chair	alfredo.herrera@ieee.org
Membership Development (MD)		
Anissa Shaddy	Co-Chair	anissa@ieee.org
Irfan Alanbagi	Co-Chair	ialanbag@uottawa.ca
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
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Robotics Competition

Pauly Mulles	Chair	p.mulles.ca@ieee.org
David Huynh	Vice Chair	david.huynh.ca@ieee.org

Strategic Planning

Barbara Waruszynski	Chair	b.waruszynski@sympatico.ca
Eric Karmouch		ekarmouch@ieee.org
Maria Rey		Sasquatch.rey@gmail.com
Raed Abdullah		raedabdullah@ieee.org
Sreeraman Rajan		sreeraman@ieee.org
Wahab Almuhtadi		almuhtadi@ieee.org
Branislav Djokic		branislav@ieee.org

Teacher In-Service Program (TISP)

Wolfram Lunscher	Chair	wlunscher@gmail.com
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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 (CIS)	rfalcon@ieee.org
George Yee	Vice Chair (SMC)	g.m.yee@ieee.org
Julio Valdes	GLO	Julio.Valdes@nrc-cnrc.gc.ca

CompSoc - Computer Society

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

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	quibo.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	branslav@ieee.org

IAS - Industry Applications Society

Dongli Zhang	Chair	dongli.zhang@gmail.com
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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
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RAS & CSS - Joint Chapter of Robotics & Automation, and Control Systems Societies

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