



IEEE Ottawa Section Report to the Annual General Meeting 2012

October 19, 2012

**IEEE****Ottawa
Section**

IEEE Ottawa Section Report To The Annual General Meeting 2012

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IEEE Ottawa Section Chair's Report

The Section embraced the theme "Connect, Communicate and Collaborate" for this year and continued to commit itself to excellence, dedication and growth like the past year. As a part of this commitment, we took the first step to connect with the Ottawa Tourism, Ottawa Convention Center, the Mayor's Office, Academic institutions, Government research labs and the local industries and sought their support. We communicated the purpose of IEEE's existence and offered a symbiotic environment for collaboration. This resonated with all the above said entities and has led to a long standing relationship.

With "Connect, Communicate and Collaborate" as the theme, the Section brought IEEE Communication Society's (Comm. Soc) largest conference, 2012 International Conference in Communications (ICC2012) to the city. Recognizing the impact of the conference, the City of Ottawa Mayor, Mr. Jim Watson declared June 10-15 2012 as **IEEE Week**: the week of the conference. The conference had more than 3000 participants and created several records. It had the largest number of workshops and the highest number of attendees. It offered the best workshop award for the first time, awarded 42 student grants. It was the first truly paperless conference and also the first conference that embraced wireless technology for all aspects of the conference. Each registrant was provided with a RIM blackberry playbook with an application to download the papers on demand. The conference had both industry and academic participations and it brought the industry and academia closer. Almost all technology giants in North America supported the conference. There were 5 keynote and plenary speakers. Keynotes were given by academia while plenary speeches by industry. The conference brought about 20 million dollar as revenue for the city and has been recognized as the benchmark conference by IEEE.

Our commitment to advancing technology for humanity through humanitarian initiatives is still ongoing. The Humanitarian Initiatives Committee (HIC) is under IEEE Canada and recently, we have decided to have a committee under the Section. We have already appointed a Chair and Vice Chair for this committee. The Section HIC will work closely with the Region 7 (Canada) HIC. The Section has shown its continued full support to the Canada HIC committee by enabling it to have a workshop in ICC2012. This workshop had good participation and has contributed to more momentum in the Section and Canada HIC initiatives. The Section is also actively participating in bringing the Global Humanitarian Technology Conference to Canada in 2013.

Women in Engineering (WIE) Affinity group has been active with social and technical meetings. It has engaged itself with the WIE Student groups and has been organizing events together. It has also networked and connected with WISE. In ICC2012, WIE had a panel discussion. Three panelists, Dr. Lucy Hood, Prof. Neeli R. Prasad, Prof. Octavia A. Dobre, who were WIE members from IEEE Communication Society (Comm. Soc), participated and discussed on career transitions. WIE members of Ottawa and Comm. Soc along with many attendees of ICC2012 participated in the lively discussion. The Section will strive to incorporate HIC and WIE component in every conference that it sponsors.

Our section volunteers dedicated themselves to connect to the public through various section activities: Our volunteers on the TISP committee worked closely with the Canada Science and Technology Museum and organized joint events such as National Engineering Week. TISP committee was also involved in

providing workshops for Science teachers from across Canada and also got involved in the Ottawa Robotic Competition (ORC). Our volunteers in the ORC extended training to grade five to eight school children who were registered for the competition. ORC also work closely with all the school boards to attract student participation in the competition. This year's Robotics Competition had several fun themes to stimulate the creative thinking of school children. Our student volunteers at Carleton University in the Engineering in Medicine and Biology Society (CU@EMBS) continue to deliver Biomedical Engineering fundamentals to high school students, while the Carleton University student branch continue to inspire young female students to enroll in Science and Technology streams. The University of Ottawa Student branch continue to encourage creative programming skills by co-organizing 24 hour programming contest, "Battle Royale" with other student branches. These activities expose the talents of the pool of excellent students in the Ottawa region to the technology companies which either participate or sponsor such events. Our student volunteers of student branches of the University of Ottawa, Carleton University and Algonquin College jointly organized events like Student Professional Awareness Conference to stimulate discussions between industry professionals and students, to enable networking opportunities and to learn from the experienced professionals the necessary skills to survive in the real world. The CU@EMBS hosted a networking event to expose the graduating students to employers and research done in biomedical industry. Further more, the student branches organize mini-conferences for students and conduct oral paper competitions Eastern Ontario-wide. This year Carleton University students won the first prize in the Eastern Ontario Student Oral paper competition while the University of Ottawa and Algonquin College students were placed third. This year, students from Carleton University CanSat Club received the Canadian Foundation grant to participate in CanSat2012 in the States. Even though they did not win, they gained tremendous experience through the participation.

The Senior Members Committee has been actively helping with membership grade elevation. From 2011 AGM to 2012 AGM, the section had 22 members elevated to senior grade. Three Senior Members of the section got elevated to the highest of grades, the Fellow grade: Prof. Monique Frize, University of Ottawa and Carleton University, Prof. Rafik Gouban, Carleton University and Prof. Jianping Yao, University of Ottawa. Congratulations to these Senior Members on their Fellow grade elevation.

The Section also supported the Second Canadian Track and Fusion Group Workshop in Ottawa, the Algonquin College Research Day and the IEEE Conference on Computational Intelligence for Defence Applications (CISDA 2012). Preparations for the Section sponsored Radar Conference 2013 are in full swing while it is in the process of forming the organization committee for IEEE Conference on Electromagnetic Compatibility 2016 (EMC2016). The Section will also host IEEE MeMeA 2013 conference in Gatineau, Quebec. The Section is in the process of bringing at least one conference in 2014 and 2015. The Section is also working closely with neighbouring sections such as the Montreal Section in a symbiotic fashion to support each other. The Section has also developed a close working relationship with the Ottawa Congress Center and Ottawa Tourism. By bringing conferences to Ottawa, IEEE Ottawa 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.

Currently there are 1994 members in the Section with at least one fellow grade member in almost every chapter. The Section is financially sound and very active with technical activities. The Section had a dozen Distinguished Lectures, nearly 50 technical activities and two conferences where one of them had 1043 technical presentations. As always, the Section also had its usual social activities.

2012 has been a successful year with lot of recognitions for our section, chapters and volunteers. 1) IEEE Week (June 10-15, 2012) was declared by the City of Ottawa Mayor, Mr. Jim Watson 2) Carleton University was recognized with George Armitage Outstanding Student Branch Award. 3) Carleton University Student Branch and the University of Ottawa student branches shared the second place for the IEEE Canada Website Design Contest 2012. 4) Carleton University Student Association Outstanding leadership Award. 5) Carleton University students were placed 1st in Eastern Ontario Student Oral Paper Competition. 6) Carleton University was placed first while the University of Ottawa and Algonquin College were placed third place in the IEEE Eastern Ontario Student paper competitions held at Algonquin College, Ottawa. 7) The University of Ottawa Student Branch was recognized with the MGA Region 7 Exemplary Award 2012.

The following members of the Section were recognized: 1) Profs. Monique Frize, Rafik Goubran and Jianping Yao became IEEE Fellows based on their outstanding technical contributions. 2) Prof. Voicu Groza, University of Ottawa, was recognized as Fellow of Engineering Institute of Canada 3) Prof. Azzedine Boukerche, University of Ottawa, was recognized with IEEE Computer Society Meritorious Service Award. 4) Mr. Raed Abdullah, Senior member, was received the 2011 MGA Achievement Award for his drive and dedication to lead by example and promote MGA Goals, while encouraging members to remain engaged at all levels of IEEE. 5) Prof. Adrian Chan, Carleton University was recognized with 3M Teaching Fellowship 6) Carleton University Student Member, Mr. Abdulhak Nagy won the IEEE Canadian Foundation scholarship 7) Mr. Jeffrey Arcand, University of Ottawa Student member and Ms. Laura Mutu, Carleton University Student Member was nominated for the Larry K Wilson Student Activities Award and both received honourable mentions for their excellent service provided to the IEEE community. 8) Prof. Monique Frize, University of Ottawa receives the Queen Elizabeth II Golden Jubilee Medal. 9) Prof. Monique Frize has been elected to the Council of the International Union of Physical and Engineering Sciences in Medicine.

Thank you for enabling the Section to achieve its goals. It is because of your passion, dedication and effort, the Section has achieved all its recognitions. Congratulations on your efforts. I also take this opportunity to thank you for allowing me to serve the Section, its members and the people of Ottawa. I hope that I delivered beyond your expectations. My term as the Section Chair ends on 31st December 2012. I congratulate the incoming slate of executives and wish them all the best. I will continue to serve the Eastern Area as its chair.



Sreeraman Rajan, Ph.D., SMIEEE
Chair, IEEE Ottawa Section

New and Noteworthy

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Committee Reports

Annual General Meeting (AGM) Planning Committee

Chair: Rami Abielmona

The 2011 IEEE Ottawa Section Annual General Meeting was held on Oct 28, 2011. The theme for this year is "Persistence to Dr-IEEE-M" supported by guest speaker Sir Terence H. Matthews, Chairman of Wesley Clover, Mitel and March Networks, in Ottawa, and Magician Eric Leclerc of Project 365 will provide the entertainment. However, due to last minute travel requirement, Sir. T.H. Matthews could not make it and he was substituted by Mr. Mr. Donald. W. Smith who is the member of board of directors, Mitel. He gave a talk on "Persistence to Dr-ieee-m". The meeting started with reception from 5.00 PM-5.30 PM, followed by official AGM from 5.30-6.15 PM. The sit-in banquet started from 6.30 PM. The location for the event was the Ottawa Convention Centre (Meeting Room 102 - AGM, Trillium Ballroom - Banquet) Address: 55 Colonel By Drive, Ottawa ON.

In the AGM, elections for 2012 were held and the following members were declared elected unanimously unopposed:

Chair: Dr. Sreeraman Rajan, Vice Chair: Dr. Rami Abielmona, Treasurer: Ms. Anissa Shaddy and Secretary: Mr. Rob Woolley.

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

- a) Dr. Qiubo Ye: Outstanding volunteer Award for serving as the Chapter Chair for AP/MTT since 2005
- b) Dr. Tony Ponsford: Outstanding Engineer Award for his scientific contributions in the development and advancement of High Frequency Surface Wave Radar and Maritime Domain Awareness.
- c) Dr. Adrian Chan: Outstanding Engineering Educator Award for his for his dedication to student success and his outstanding contributions to engineering education.

The following industries were recognized at the AGM

- a) The Outstanding Information and Communication Technology Company award was presented to Optelian for successfully leading the design, and manufacturing of optical transport systems and providing optical performance solutions.
- b) The Outstanding Information Technology Company award was presented to Titus for successfully leading in providing software solutions for information security, compliance and SharePoint classification.
- c) The Outstanding Clean Energy Technology Company award was presented to Redriven Power Inc for successfully leading the design and manufacturing of modern and sleek wind power turbines to produce efficient and environmentally friendly electricity.

d) The Outstanding Clean Technology Company award was presented to Chinook MHD for successfully leading the creation, development and commercialization of new and innovative technologies for aircraft deicing.

e) The 2011 Appreciation Award was given to Larus Technologies for its continuous support of the IEEE Ottawa Section activities and the IEEE Ottawa Robotics Competition.

Section Awards presented at the Section AGM 2012

The following Section Awards were presented at the Section AGM 2011 on Oct 28, 2011.

a) Outstanding Chapter Award: The Ottawa Section Photonics Society Chapter for organizing technical meetings and conferences and promoting membership development

b) Outstanding Committee Award: Communications and Publications Committee for significantly improving the Section website and for timely communications.

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

Awards Committee

Chair: Wahab Almuhtadi almuhtadi@ieee.org

Members: Executive officers of the Ottawa Section (Chair, Vice Chair, Secretary, Treasurer and the Past Chair)

Website: [http:// www.ieeeottawa.ca/about/awards-2/](http://www.ieeeottawa.ca/about/awards-2/)

The Award and Recognition 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. The award winners are announced every year at the IEEE Ottawa Section Annual General Meeting-AGM.

The winners for the 2011 IEEE Ottawa Section Awards are as follows:

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- c) Outstanding Student Branch Award: The Carleton University Student Branch for organizing the most number of events and for providing networking opportunities for its members.

Bylaws Committee

Chair: Branislav Djokic branislav@ieee.org

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

The document was reviewed and no changes were necessary.

Communications / Publications (CPC) Committee

Chair: Ahmad Abdo aabdo@ieee.org

Vice Chair: Bradford Stimpson, brad.stimpson@gmail.com (stepped down in May 2012)

Vice Chair: Alya Othman, alyaothman@gmail.com

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

- Newsletter: Twelve newsletters were edited and distributed.
- Website: The website has been updated regularly to advertise the events organized by the different chapters and committees.

- General Communication: coordinated the dissemination of notices and events by acting as liaison between the Section and IEEE eNotice Mailing Service department.
- Mailing list: was maintained and updated regularly.
- LinkedIn: was maintained and updated regularly.
- Virtual Community: was maintained and updated regularly.

Educational Activities (EA) Committee

Chair: Branislav Djokic, branislav@ieee.org

1. On May 24, 2012, the IEEE Ottawa Section Educational Activities organized a seminar “Evaluating Canada’s Energy Alternatives and the Place of Nuclear Energy Among Them” presented at Algonquin College, by two members of the Canadian Society for Senior Engineers (CSSE): Arnold Eyre, Fellow CSSE, and Don Lawson, Fellow CSSE.

Part 1, by Arnold Eyre: Canada’s 26 primary energy alternatives were identified: 10 indigenous-energy-use alternatives, 10 energy conservation alternatives, and 6 energy-export alternatives. The 26 energy alternatives were then evaluated and ranked according to their relevance to the future well-being of Canadians, defined coincidentally by 26 factors. Part 2, by Don Lawson: In the aftermath of Fukushima nuclear power plant accident, the prospects of nuclear power in Canada were outlined since the use of indigenous Canadian nuclear fuel takes a prominent place among 26 alternatives. The case for a Canadian energy strategy and the issues in Ontario’s electricity supply were discussed.

The seminar was organized in conjunction with the IEEE Ottawa Power and Energy Society, Reliability & PE Society Chapters, and Algonquin College IEEE Student Branch. Both presentations were very well received as they addressed issues related to the Canadian energy situation and future. The CSSE white paper “Energy Compass - A Recommended Canadian Energy Decision Framework” can be downloaded at:

http://www.ieeeottawa.ca/ea/CSSE_White_Paper_EnergyCompass.pdf

2. On Oct. 05, 2012, the IEEE Ottawa Section Educational Activities organized a seminar “Interoperability and Interference in Modern Railway Systems and its Instrumentation & Measurement Implications” presented at Algonquin College, by Dr. Andrea Mariscotti, Professor, University of Genoa, Italy.

A review was provided of the architecture and elements of an electrified transportation system, including: AC distribution and connection to the high voltage primary network, substations and other machines (transformers), traction line and its characteristics (imperfections, frequency response, etc.), trains and vehicles as moving, time varying, highly distorting loads. Power Quality phenomena were covered: definitions and relationships with similar phenomena in the industrial sector: harmonics, inter-harmonics, flicker, voltage fluctuations, transients, stability of the fundamental frequency; applicable standards and requirements; methods for measurement and evaluation. Other relevant phenomena, such as interference with safety apparatus (signaling and telecommunications); applicable standards and requirements, evolution of the European harmonization standards; methods for measurement and evaluation are addressed as well.

Measurement systems and processing methods were discussed, including probes and acquisition systems, their measurement performance, requisites, utilization criteria; examples of algorithms and results: i) stability of the fundamental frequency, ii) spectra of transients, iii) time varying harmonics and their tracking, iv) assessment and certification of rolling stock or single power converters; challenges and perspectives for measurements in the transportation field: i) wireless instrumentation, ii) networking of sensors, iii) need for unusual performances and functionalities.

This seminar was organized in conjunction with the IEEE Ottawa Instrumentation & Measurement Society, Power and Energy Society, Reliability & PE Society, Vehicular Technology Society Chapters, and Algonquin College IEEE Student Branch. This very dynamic and interactive talk was well received by the audience, and generated a lot of questions by the Canadian practitioners in the field.

Engineers-in-Transition (EiT) Committee

Chair: Emily Chen, emily.hao.chen@ieee.org

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

Humanitarian Initiatives Committee (HIC)

HIC workshop in ICC2012: HIC held a one day workshop which was co-located with ICC2012. The following presentations were part of the workshop:

- Unlicensed spectrum and Carrier WiFi: Stephen Rayment, CTO Ericsson Carrier WiFi
- Making Rural Communications Work: André Brandão, CRC; Michael Christensen, Industry Canada
- The Peru experience - an IEEE HTC solution: Martin Murillo, IEEE HTC Data Connectivity technical lead.
- Roundtable on appropriate wireless technology
- Considerations for humanitarian uses of technology (tbd)
- Roundtable on humanitarian context
- Business model for telemedicine in Peru David Wright, Telfer School of Business, U. of Ottawa
- Roundtable on business model

Membership Development (MD) Committee

Chair: Shatha Hamoudi, shatha@rogers.com

Vice-Chair: Md Islam, tanjir@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
October 28, 2011 OCC	Membership Recruitment & Retention	AGM	200 - IEEE and prospective members	IEEE Ottawa Section
November 5 th , 2011 Carleton University	Membership Development	Battle Royale	200- IEEE members and students	IEEE Ottawa Section

December 20 th , 2011 Biagio's	Membership Development	Christmas Dinner	100- IEEE and prospective members	IEEE Ottawa Section
March 15 th , 2012 Westin Ottawa Hotel	Membership Recruitment & Retention	SPAC	200 - IEEE members and prospective members	IEEE Ottawa Section, GOLD, Student Branches
March 27 th , 2012 Algonquin College	IEEE Awareness	2012 IEEE Eastern Ontario Oral Paper Competition	IEEE members and prospective members	IEEE Ottawa Section
April 13 th , 2012 Algonquin College	Membership Development	Research Day	300- IEEE members, students, professors	IEEE Ottawa Section
	Administrative Meeting	Monthly IEEE MD Webcast	Updates about other regional MD activities and membership statistics and new initiatives.	IEEE Ottawa Section MDC
	Membership Development	MD kit for events and meetings	Ordered MD kit twice this year due to the big conferences we have like ICC ,....	IEEE Ottawa Section MDC
	Membership benefits	Air Canada Travel Group Discounts		
	Membership benefits	The Personal: Home and Auto Insurance Member Group Insurance Program (life, professional liability, health, travel) - Canada HP introduces web site for IEEE Members in Canada Engineer Wellness Good Life Fitness Corporate Program	Promoted the benefits provided by IEEE and those gained through its role with the Engineering Institute of Canada	
June 10 th -15 th 2012 OCC	Membership Recruitment & Retention	ICC 2012	More than 1000 IEEE members and visitors around the world	IEEE Ottawa Section
July 11 th -13 th 2012 Delta Hotel	Membership Recruitment & Retention	CISDA 2012	60 IEEE members visitors	IEEE Ottawa Section

Best practices:

- Leverage the IEEE and non-IEEE activities to bring awareness of IEEE and benefits of membership.

- Established members' retention campaign to outreach to members in arrears.
- Provided memorable gifts to keep IEEE name close to people mind.
- Leverage the activities of IEEE to benefit the rest of the membership.
- IEEE Ottawa Section's booth was displayed at more activities than in past years. Thus, membership retention becoming more effective year after year.

Nominations and Appointments

Chair: 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: Rob Woolley rcwoolley@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.

The year 2012 marked the 10th Annual IEEE Ottawa Robotics Competition. It has grown from four (4) teams to 39 teams. This accounts for over 200 students. The main date was May 26th and took place at Longfields Davidson-Heights Secondary School.

- 1st workshop - Introduction to Robotics -Wednesday, April 25th from 9am to 4pm
 - 75 students from 9 schools

- 2nd workshop - Programming Assistance - Tuesday, May 15th from 9am to 4pm
 - Approximately 100 students
- 3rd workshop - Last Minute Help with Debugging - Tuesday, May 22nd from 9am to 4pm
 - Approximately 100 students
- Ottawa Robotics Competition – May 26th, 2012 – 300 to 500 guests

Senior Membership Committee

Chair: Dr. Sreeraman Rajan

Vice Chair: Dr. Chen Wu

The Section had 22 Senior Member elevations from October 2011 to September 2012.

October 2011	Chaharmir	Reza
November 2011	Dajani	Hilmi
November 2011	Katoch	Atul
November 2011	Rey	Maria
February 2012	Bourassa	Michael
February 2012	Eldrin	Ihsan
February 2012	Gunupudi	Mike
February 2012	Wu	Kuang-Tsan
March 2012	Adinoyi	Abdulkareem
April 2012	Amaya	Cesar
April 2012	Balaji	Bhashyam
April 2012	Shaker	Jafer
June 2012	Kim	Bumsoo
June 2012	Mrad	Nezih
July 2012	Li	Jun
July 2012	Vazquez	Carlos
July 2012	Wallace	Raymond

September 2012	Li	Li
October 2012	Abdul_Majid	Sawsan
October 2012	Maaref	Amine
October 2012	Rayal	Frank
October 2012	Ye	Winnie

Teacher In-Service Program (TISP) Committee

Chair: Janet Davis, janet.davis@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
July 11, 2012	TISP workshop Prep Meeting	n/a	1/4	
July 19, 2012	Workshop	TISP workshop at Museum of Science and Tech	1/35	

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
Thursday, 16th February 2012 7.30 pm RA Centre	Technical Presentation Speaker: Bob Burrows, G4 Apps Inc, Oakville, Ontario	Connected-Vehicle Applications: Are we ready for Implementation?	4/16	VTS, AESS & IET-UK
11 Apr 2012 Crowsnest Naval Mess	Technical Presentation Speaker: Ian Glenn	Meeting – UAV's Unmanned Aircraft for Cdn Forces	10 - 16	AESS & VTS

Recommended best practices include:

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

Unique events include:

- Supported Carleton University Ballistics Group competition in Texas, Aug 2012
- Supporter & Joint organizer – Canadian Radar Tracking & Fusion Group Workshop, 12-14 Sept 2012 co-hosted at DRDC, Ottawa - not listed under technical meetings

Proposed events for next year include:

- Visit to CBC Transmit Control Centre, Carp
- SatCom presentation
- M3M-Sat satellite radar presentation

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

Chair: Qingsheng Zeng, qingsheng.zeng@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
1) 16 Dec 2011 12:00–13:15 SITE 5084 University of Ottawa	Technical Seminar	Introduction of Oblique Incidence Plane Wave to Stratified Lossy Dispersive Media for FDTD Analysis By Mr. Penghui Chen	IEEE/Total 9/16	AP / MTT Joint Chapter and EMC Chapter
2) 16 Dec 2011 13:15–13:45 SITE 5084 University of Ottawa	Administrative Meeting	Election for IEEE Ottawa AP/MTT Joint Chapter Chair Dr. Qingsheng Zeng was elected	AP/MTT 9/9	AP / MTT Joint Chapter
3) 10 Jan 2012 11:30–13:00 Building 94 CRC	IEEE Antennas and Propagation Society (APS) Distinguished Lecture	OTA-MIMO Measurements in Reverberation Chamber By Prof. Per-Simon Kildal	IEEE/Total 8/21	AP / MTT Joint Chapter
4) 26 Jan 2012 18:00–20:00 Board Room Fidus Systems Inc.	Technical Seminar	Design of Airborne High Frequency Antennas By Mr. Naizhi Wang	IEEE/Total 13/19	AP / MTT Joint Chapter and EMC Chapter
5) 23 Feb 2012 11:00–12:30 Building 94 CRC	Technical Workshop	Silicon-On-Insulator (SOI) Based Nanophotonic Devices By Dr. Sawsan Abdul-Majid	IEEE/Total 19/33	AP / MTT Joint Chapter and LEOS Chapter
6) 23 Feb 2012 12:30–14:00	Technical Workshop	Silicon Photonics: Devices and Applications	IEEE/Total 19/33	AP / MTT Joint Chapter and LEOS

Building 94 CRC		By Prof. Winnie Ye		Chapter
7) 28 Feb 2012 11:30–12:30 ME 4124 Carleton University	IEEE Circuits and Systems Society (CASS) Distinguished Lecture	Many-Core Chips: The New High-Performance Computing Platform By Prof. Yehea Ismail	IEEE/Total 6/26	CASS/EDS/SSCS, ComSoc/BTS/CES, AP/MTT, CPMT and PES Chapters, Computer Society, and Department of Electronics at Carleton University
8) 28 Feb 2012 12:30–13:30 ME 4124 Carleton University	IEEE Circuits and Systems Society (CASS) Distinguished Lecture	Challenges for Electronics Design in the Nano-Scale By Prof. Yehea Ismail	IEEE/Total 6/26	CASS/EDS/SSCS, ComSoc/BTS/CES, AP/MTT, CPMT and PES Chapters, Computer Society, and Department of Electronics at Carleton University
9) 10 Apr 2012 9:05 – 9:45 M-50 Auditorium NRC Main Campus	Technical Symposium	Photonic generation of microwave signals By Prof. Jianping Yao	IEEE/Total 13/52	NRC, OPC, OPRA, AP/MTT Joint Chapter, LEOS Chapter, Invest Ottawa
10) 10 Apr 2012 9:45 – 10:25 M-50 Auditorium NRC Main Campus	Technical Symposium	GaN/InGaAs/Ge Quantum Dot Enhanced Solar Cell at up to 1000- Suns By Dr. Jeffrey Wheeldon	IEEE/Total 13/52	NRC, OPC, OPRA, AP/MTT Joint Chapter, LEOS Chapter, Invest Ottawa
11) 10 Apr 2012 10:40–11:20 M-50 Auditorium NRC Main Campus	Technical Symposium	Bragg gratings made with femtosecond radiation for sensing, fiber lasers and nonlinear optic application By Dr. Dan Grobncic	IEEE/Total 13/52	NRC, OPC, OPRA, AP/MTT Joint Chapter, LEOS Chapter, Invest Ottawa
12) 10 Apr 2012 11:20–12:20 M-50 Auditorium NRC Main Campus	Technical Symposium and IEEE Photonics Society (PS) Distinguished Lecture	GaN-Based Nanocolumn Emitters and Related Technologies By Prof. Katsumi KISHINO	IEEE/Total 13/52	NRC, OPC, OPRA, AP/MTT Joint Chapter, LEOS Chapter, Invest Ottawa
13) 8 May 2012 13:00–15:00 CBY D207 University of Ottawa	IEEE Photonics Society (PS) Distinguished Lecture	Polarization in Fiber Optics By Prof. Lianshan Yan	IEEE/Total 12/28	AP/MTT Joint Chapter, LEOS Chapter, School of EECS at University of Ottawa
14) 15 Jun 2012 10:30–12:00 Room 211, Ottawa Convention Centre	IEEE Communications Society Distinguish Lecture	Networking and the Smart Grid: the relevance of communications in the future of power grid By Prof. Fabrizio Granelli	IEEE/Total 10/14	Reliability Society Chapter, AP/MTT, ComSoc/BTS/CES, SP/OE/GRS Joint Chapters, and Algonquin College Student Branch
15) 15 Jun 2012 16:00–17:30	IEEE Electromagnetic	Multiphysics Method for High-Power	IEEE/Total 9/11	AP/MTT, EMC, CASS/EDS/SSCS,

Board Room Fidus Systems Inc.	Compatibility (EMC) Society Distinguished Lecture	Electromagnetics By Prof. Wen-Yan Yin		CPMT Chapters
16) 15 Jun 2012 17:30–19:00 Board Room Fidus Systems Inc.	IEEE Electromagnetic Compatibility (EMC) Society Distinguished Lecture	Multiphysics Method for Nanoelectronics By Prof. Wen-Yan Yin	IEEE/Total 9/11	AP/MTT, EMC, CASS/EDS/SSCS, CPMT Chapters
17) 17 Jun 2012 10:00–12:00 Rm B-1002, Pavillon Lucien- Brault Universite du Quebec en Outaouais	Technical Seminar	Recent Progress in Novel Microwave Devices and Antennas Research at HIT By Prof. Qun Wu	IEEE/Total 7/13	AP/MTT, EMC, CASS/EDS/SSCS, CPMT Chapters
18) 22 Jun 2012 15:00–16:30 ME 4124 Carleton University	Technical Seminar	Current Status of Millimeter Wave Communications and Standards in China By Prof. Wei Hong	IEEE/Total 8/20	AP/MTT, CPMT CASS/EDS/SSCS, Chapters and Department of Electronics at Carleton University
19) 25 Jun 2012 9:30 – 10:30 MC 2014, Carleton University	Technical Seminar	mm-Wave /THz Silicon- based IC Design and Applications By Dr. Yong-Zhong Xiong	IEEE/Total 11/17	CASS/EDS/SSCS, AP/MTT, EMC and CPMT Chapters and Department of Electronics at Carleton University
20) 24 Aug 2012 14:30 – 16:00 ME 4124 Carleton University	Technical Seminar	Novel Compact Multiband Planar Antenna and Array Design for Wireless Communications By Dr. Yazhi Cao	IEEE/Total 8/10	AP/MTT, EMC, CASS/EDS/SSCS, CPMT Chapters and Department of Electronics at Carleton University
21) 24 Aug 2012 16:00 – 16:30 ME 4124 Carleton University	Administrative Meeting	Celebration of the achievements of Dr. Qiubo Ye as the former Chair of IEEE Ottawa AP/MTT Joint Chapter for 6 years (2006 - 2011)	IEEE/Total 8/10	AP / MTT Joint Chapter
22) 27 Sept 2012 14:30 – 16:00 ME 4124 Carleton University	IEEE Microwave Theory and Techniques Society (MTT-S) Speakers Bureau Talk	On taking a more unified approach to the design of mixer RFIC's By Prof. Carlos Saavedra	IEEE/Total 10/20	AP/MTT, CPMT, CASS/EDS/SSCS, Chapters and Department of Electronics at Carleton University
23) 27 Sept 2012 16:00 – 16:30 ME 4124 Carleton University	Administrative Meeting	Declaration of the election for the Vice Chair and Secretary of IEEE Ottawa AP/MTT Joint Chapter	IEEE/Total 10/20	AP / MTT Joint Chapter
24) 3 Oct 2012 14:30 – 16:00	Joint Public Seminar	ROUTES TO SUCCESS IN ACADEMIC RESEARCH: A	IEEE/Total 12/28	Carleton University, Faculty of

UC 282 Carleton University		PERSONAL PERSPECTIVE By Prof. John Bandler		Engineering and Design (FED), Department of Electronics (DoE), IEEE Ottawa Section, CAS/EDS/SSC, CPMT, AP/MTT, EMBS, EMC, CI/SMCS, SP/OE/GRS, WiE and LMA Chapters
25) 18 Oct 2012 14:30 – 16:30 ME 4124 Carleton University	IEEE Microwave Theory and Techniques Society (MTT-S) Speakers Bureau Talk	“Gree RFID”: an enabling technology towards the Internet of Things (IoT) world By Dr. Luca Roselli	To be reported	AP/MTT, EMC, CASS/EDS/SSCS, CPMT, CompSoc EMBS, IMS, TMC/PCS/SSIT Chapters, LM Group, EiT Activity, and Department of Electronics at Carleton University

Best Practices:

- (1) I have been applying for and obtaining funds from AP and MTT Societies to support more activities.
- (2) I have been interacting and exchanging experience and collaborating with IEEE Singapore and Montreal Sections on Microwave Theory & Techniques (MTT) / Antennas & Propagation (AP).
- (3) I have constantly been looking for new blood to join the leadership team and make our chapter as the best.
- (4) I have assisted our section to recruit 2 new IEEE members in 2012 and will be continuing to do so.
- (5) I have been assisting our members in finding their new positions and employers in their recruitments.
- (6) I have always co-organizing activities with other chapters and sections, local educational institutions, governmental agencies and industrial sectors, to set up and enhance their collaborations, attract more audience and serve more members.
- (7) 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. I have invited 2 PhD students and 9 distinguished lecturers to give us talks from December 2011 to now.

Awards and/or Recognitions

- (1) Professors Jianping Yao and Pierre Berini in the School of EECS at uOttawa have been elected as Fellows of the Canadian Academy of Engineering (CAE) in April 2012. Members of the CAE are nominated and elected by their peers (current CAE members) to honorary fellowship in the Academy in view of their distinguished achievements and career-long service to the engineering profession. The Academy has approximately 300 active members and 100 emeritus members. Jianping and Pierre are Ottawa MTT members.
- (2) Professor Derek McNamara in the School of EECS at uOttawa has been appointed as an Associate Editor of IEEE Transaction on Antennas and Propagation in 2012. Derek is one Ottawa AP member.

- (3) Professor Qi-Jun Zhang in the Department of Electronics at Carleton University has been the Publication & Publicity Chair for the 2012 International Microwave Symposium (IMS2012) in Montreal during June 17 – 22. Qi-Jun is one Ottawa MTT member.
- (4) The Chair of Ottawa AP/MTT Joint Chapter, Dr. Qingsheng Zeng, has become a Guest Professor of Harbin Engineering University, Harbin, China, on 4 July 2012.
- (5) Qingsheng has been invited to present his tutorial “Application of Numerical Inversion of Laplace Transform in EMC Modeling” in 2012 Asia-Pacific Symposium on Electromagnetic Compatibility (APEMC 2012) on May 21.
- (6) Qingsheng has been invited and presented his tutorial “Transient Analysis of Electromagnetic Waves Based on Numerical Inversion of Laplace Transform” at Nanyang Technological University in Singapore on May 25, at Wuhan University on June 25, Shanxi University on June 28, Harbin Engineering University on July 4, and Shenzhen Graduate School of Harbin Institute of Technology in China on July 10.
- (7) Qingsheng has been invited and presented his tutorial “Numerical Inversion of Laplace Transform and Its Applications in Electrical and Communication Engineering” as a keynote speaker at the International Conference on Computing, Measurement, Control and Sensor Network (CMCSN) in Taiyuan, China, on 7 July 2012.

Unique Events:

- (1) We have independently organized the IEEE Ottawa Workshop on Microwave Photonics in February 2012, in which two excellent woman speakers gave 33 attendees the exciting presentations on their edge research. This workshop has profound impacts afterwards, making it resoundingly successful.
- (2) We have co-organized the IEEE Ottawa Symposium on Recent Advances in Photonics in May 2012, which had one IEEE Distinguished Lecturer and three excellent local speakers both from academia and from governmental agencies, attracted 52 audiences, and was fruitful and enjoyable.

Planned events:

- (1) I will be organizing a region-wide workshop on Recent Progresses in Antenna Systems and Propagation for Wireless Communications.

Description:

Over the past few decades, wireless communications have evolved at a rapid pace, pervade our daily lives and are widely believed to have a bright future. The most recent progress include MIMO and ad-hoc communications, the deployment of multiple antenna systems, broadband and ultra wideband (UWB) wireless technology, and adaptive spectrum allocation and sensing for cognitive communication. A fundamental understanding of the wave propagation and antenna system design is required to ensure efficient design and deployment of future wireless technologies. The purpose of this workshop is to bring the researchers together from these promising fields, and to provide a forum for them, so that progresses, concepts, viewpoints and methodologies in these fields can be reported and exchanged, and can interact on each other.

Motivation:

Holding this workshop, we expect to enhance the interrelationship between academia and industrial sectors, to bridge some gaps between theories and applications, and to initiate further edge research between different but closely related fields.

Date: Early January 2013.

Location: National Capital Region (NCR)

Organizing entities:

IEEE Ottawa AP/MTT Joint Chapter, several local universities and industrial sectors.

Budget:

I am applying for the Special Projects Support from IEEE AP and MTT Societies and also requesting support from IEEE Ottawa and local companies and universities.

(2) I will organize a region-wide workshop on how to improve teaching skills and enhance research quality as a part-time and/or an adjunct professor.

Description:

More and more scientists, engineers and entrepreneurs have become or wish to be part-time and/or adjunct professors in educational institutions. They have been of great assistance and support in setting up collaborations between industrial sectors, governmental agencies and academia. They have rich resources and are in good positions to train and foster high qualified personnel.

However, part-time and/or adjunct professors have different situations from regular professors. They have to fulfill the routings for their full-time positions, usually have tight schedule, can show up in university campuses only in limited time, and often need to solve the time and/or interest conflicts.

The purpose of this workshop is to provide a forum for part-time and/or adjunct professors to interchange the relevant experience and learn from each other.

Motivation:

A number of part-time and/or adjunct professors feel that they need to significantly improve their skills and enhance their experience in coordinating their full-time job and university part-time work, solving the time and/or interest conflicts, choosing working contents and resources to train students. Holding this workshop, we expect to address the above concerns and benefit all the related people.

Date: September 2013.

Location: National Capital Region (NCR)

Organizing entities: IEEE Ottawa AP/MTT Joint Chapter, IEEE Ottawa Educational Activities (EA), several local universities and industrial sectors.

Budget: I will request support from IEEE Ottawa and local companies and universities.

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

Chair: Moufid Harb, mharb@ieee.org

Vise Chair: Nizar Sakr, nsakr@site.uottawa.ca

Vise Chair: Julio Valdes, Julio.Valdes@nrc-cnrc.gc.ca

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
Wednesday June 27, 2012, Ottawa-Italy 9:00-10:00 (EDT)	Webinar Technical Talk	Decentralized Coordination in Smart Grids by Self Organizing Dynamic Fuzzy Agents/Prof. Alfredo Vaccaro, Italy	22	Toronto Signal and Computational Intelligence IEEE Chapter
Wednesday July 11, 2012, Ottawa 8:30-10:00 (EDT)	Symposium plenary talk broadcasted as webinar for both the Ottawa CIS, and Ottawa CS.	Particle Swarm: From Cornfield Vectors to Cognitive Radio/Dr. Russell C. Eberhart, USA	37	IEEE Ottawa Computer Society Chapter
Friday September 28, 2012 11:00am	Webinar Technical Talk	Visual Data Mining with Nonlinear Space Transformations and Virtual Reality/Dr. Julio Valdes	16	IEEE CIS

Unique events: Computational Intelligence for Security and Defense Application (CISDA 2012) symposium in Ottawa, Canada

CompSoc – Computer Society

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

Vice Chair: Eric Karmouch, Ph.D.

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
Feb 28, 2012 (Carleton)	Technical (DLP)	Many-Core Chips: The New High-Performance	6/14	Joint with CASS/EDS/SSC,

University)		Computing Platform - Prof. Yehea Ismail, Dept. of EECS, Northwestern University, Evanston, IL60208-3118		EMC, RS, AP/MTT, CPMT Carleton University
Feb 28, 2012 (Carleton University)	Technical (DLP)	Challenges for Electronics Design in the Nano-Scale - Prof. Yehea Ismail, Dept. of EECS, Northwestern University, Evanston, IL60208-3118	6/14	Joint with CASS/EDS/SSC, EMC, RS, AP/MTT, CPMT Carleton University
April 13, 2012 (CRC)	Technical Seminar	Advances in Body Area Networks -Prof. Min Chen, School of Computer Science and Technology, Huazhong University of Science and Technology	15/20	Joint with SP/OE/GRS, EMBS, Ottawa Life Members Affinity
July 11, 2012 (Delta Ottawa City Centre)	Plenary talk at CISDA 2012	Particle Swarm: From Cornfield Vectors to Cognitive Radio -Dr. Russell Eberhart, CTO, Phoenix Data Corporation, Indiana USA	10/40	Joint with Ottawa CIS/SMC
September 12-14, 2012 (CRC)	Workshop	Second Canadian Tracking and Fusion Group (CTFG) Workshop held in Ottawa, Canada Workshop where Canadian researchers and practitioners working on target tracking and sensor fusion for surveillance, with applications in civilian and defence domains, were invited to present their work describing advances, applications, and ideas.	10/35	Joint with DRDC, IEEE Ottawa Section, AESS, CIS
October 18, 2012 (Carleton University)	MTT-S Speakers Bureau Lecture	"Green RFID": an enabling technology towards the Internet of Things (IoT) world -Dr. Luca Roselli, University of Perugia, Italy	TBD	Joint with AP/MTT, LM Affinity, Jt Chapters of SSIT and TMC, EIT, IMS, CPMT, DOE
November 15, 2012 (University of Ottawa)	Computer Society Distinguished Visitor Program (DVP)	Software Barriers to Research in Emergent Behavior -Dr. David Fisher, Carnegie Mellon University, USA	TBD	None

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 technically co-sponsored two local conferences this year including the Symposium on Computational Intelligence for Security and Defence Applications (CISDA 2012) and the Canadian Tracking and Fusion Group Workshop (CTFG 2012).

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: two candidates are MeMeA 2013 and WARM 2013.

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

Secretary: Tony Khoury

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
Friday March 2, 2012, 5:00 Algonquin College, Room T129	Technical Presentation	Greener Video Coding Speaker: Prof. Ricardo L. de Queiroz, Universidade de Brasilia	Unknown	
Friday January 20, 2012, 12:45pm Carleton University	Technical Presentation	Coordinated Control Strategy and Energy Optimization in Smart Grid Speaker: Dr. Hasan Mehrjerdi, Industrial Postdoctoral Fellow at Research Institute of Hydro-Quebec (IREQ), Varennes, Canada	Unknown	
Tuesday, February 28, 2012, 11:30AM Carleton University	Technical Presentation	Challenges for Electronics Design in the Nano-Scale Speaker: Prof. Yehea Ismail, Distinguished Lecturer, IEEE Circuits and Systems society, Dept. of EECS, Northwestern University	Unknown	
Tuesday, February 28, 2012, 11:30AM Carleton	Technical Presentation	Many-Core Chips: The New High-Performance Computing Platform Speaker: Prof. Yehea Ismail, Distinguished Lecturer, IEEE	Unknown	

University		Circuits and Systems society, Dept. of EECS, Northwestern University		
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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
1. DL Seminar Date: 02/28/2012	Many-Core Chips: The New High-Performance Computing Platform/Yehea Ismail	IEEE/Total <u>6/20</u>	AP/MTT, CAS/EDS/SSC, ComSoc/BTS/CES, CPMT, and the Department of Electronics, Carleton U
2. Tech Meeting Date: 06/17/2012	Recent Progress in Novel Microwave Devices and Antennas Research at HIT/Qun Wu	IEEE/Total <u>6/13</u>	AP/MTT, EMC, CPMT
3. Tech Meeting Date: 08/24/2012	Novel Compact Multiband Planar Antenna and Array Design for Wireless Communications/Yazi Cao	IEEE/Total <u>8/10</u>	Ottawa AP/MTT, CPMT, CAS/EDS/SSC, and the Department of Electronics, Carleton U
4. Tech Meeting Date: 09/27/2012	On taking a more unified approach to the design of mixer RFIC's/Carlos Saavedra	IEEE/Total <u>10/20</u>	AP/MTT, CPMT, CAS/EDS/SSC and the Department of Electronics, Carleton U
5. DL Seminar Date: 10/03/2012	TO SUCCESS IN ACADEMIC RESEARCH: A PERSONAL PERSPECTIVE /John Bandler	IEEE/Total <u>12/28</u>	AP/MTT, CAS/EDS/SSC and the Department of Electronics, Carleton U

Best practices: 1. Co-organized activities with other chapters and local universities to attract more audience and service more members.

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
12 January 2012	Technical meeting	Deployment of Key Smart Grid Technologies in power transmission systems/	50	Yes

		Farnoosh Rahmatian		
08 June 2011	Technical meeting	Atmospheric Icing of Power Networks: state of our knowledge, protection methods and future challenges/ Masoud Farzaneh	24	Yes

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

#	Date/Place	Activity Type	Title/Speaker	Attendance IEEE/Guests	IEEE Society/ Joint Sponsors
1	Jan 20, 2012 (Carleton University)	Technical	Coordinated Control Strategy and Energy Optimization in Smart Grid -Dr. Hasan Mehrjerdi, Industrial Postdoctoral Fellow at Research Institute of Hydro-Quebec (IREQ), Varennes, Canada	Members: 14 Prospective Members: 9	CASS/EDS/SSC , Carleton University
2	Feb 28, 2012 (Carleton University)	Technical (DLP)	Many-Core Chips: The New High-Performance Computing Platform - Prof. Yehea Ismail, Dept. of EECS, Northwestern University, Evanston, IL60208-3118	Members: 6 Prospective Members: 14	CASS/EDS/SSC , Joint with EMC, RS, AP/MTT, CPMT Carleton University
3	Feb 28, 2012 (Carleton University)	Technical (DLP)	Challenges for Electronics Design in the Nano-Scale - Prof. Yehea Ismail, Dept. of EECS, Northwestern University, Evanston, IL60208-3118	Members: 6 Prospective Members: 14	CASS/EDS/SSC , Joint with EMC, RS, AP/MTT, CPMT Carleton University
4	Mar 02, 2012 (Carleton University)	Technical	Seminar: Anti-Islanding Protection of Inverter-Based Distributed Generation” - Dr. Xiaoyu (Kevin)	Members: 10 Prospective Members: 5	CASS/EDS/SSC , Joint with Carleton University

			Wang is an Department of EE, Tsinghua University, Beijing, China		
5	Jun 15, 2012 (Fidus Systems)	Technical (DLP)	Multiphysics Method for High-Power Electromagnetics -Dr. Wen-Yan Yin, Centre for Optical and Electromagnetic Research, Zhejiang University, Hongzhou , China	Members: 7 Prospective Members: 3	CASS/EDS/SSC , Joint with EMC, AP/MTT, CPMT Carleton University
6	Jun 15, 2012 (Fidus Systems)	Technical (DLP)	Multiphysics Method for Nanoelectronics -Dr. Wen-Yan Yin, Centre for Optical and Electromagnetic Research, Zhejiang University, Hongzhou , China	Members: 7 Prospective Members: 3	CASS/EDS/SSC , Joint with EMC, AP/MTT, CPMT Carleton University
7	Jun 17, 2012 (University of Qubec, Gatineau Canada)	Technical	Recent Progress in Novel Microwave Devices and Antennas Research at HIT - Dr. Q. Wu, Professor, Harbin Institute of Technology, Harbin, China	Members: 7 Prospective Members:6	CASS/EDS/SSC , Joint with EMC, AP/MTT Carleton University
8	Jun 22, 2012 (Carleton University)	Technical	Current Status of Millimeter Wave Communications and Standards in China -Dr. Wei-Wong, School of ICS, Southeast University, Nanjing, China	Members: 9 Prospective Members: 7	CASS/EDS/SSC , Joint with AP/MTT, Carleton University
9	Jun 24, 2012 (Carleton University)	Technical	mm-Wave /THz Silicon-based IC Design and Applications Dr. Yong-Zhong Xiong, MicroArray Technologies, Chengdu, China	Members: 11 Prospective Members: 6	CASS/EDS/SSC , Joint with Carleton University
10	Jun 29, 2012 (Carleton University)	Technical	Miniaturized, 3D and Flexible RF Electronics -Prof. Atif Shamim, KAUST (Saudi Arabia)	Members: 12 Prospective Members: 6	CASS/EDS/SSC , Joint with Carleton

					University
11	Aug. 24, 2012 (Carleton University)	Technical	Novel Compact Multiband Planar Antenna and Array Design for Wireless Communications - Dr. Yazi Cao, Adjunct Professor, Dept. of Electronics, Carleton University	Members: 8 Prospective Members: 2	CASS/EDS/SSC , Joint with AP/MTT, EMC, CPMT, Carleton University
12	Sept. 27, 2012 (Carleton University)	Technical	On taking a more unified approach to the design of mixer RFIC's - Prof. Carlos Saavedra, Queen's University, Kingston, ON, Canada	Members: 10 Prospective Members: 10	CASS/EDS/SSC , Joint with AP/MTT, EMC, CPMT, Carleton University
13	Oct. 3, 2012 (Carleton University)	Technical	Roots to Academic success – A Personal Perspective -Prof. John Bandler, Macmaster University, Hamilton, ON	Members: Prospective Members:	CASS/EDS/SSC , Joint with IEEE OS, AP/MTT, EMC, CPMT, Carleton University
14	Oct. 19, 2012 (Carleton University)	Technical	Green RFID (Scheduled to be held) Dr. Luca Roselli	Members: Prospective Members:	CASS/EDS/SSC , Joint with AP/MTT, EMC, CPMT, Carleton University
15	Dec. 08, 2011 (Carleton University)	Technical	PLL Design in Nanometer CMOS -K.R. Lakshmikumar, Director of Analog and Mixed Signal design at Ikanos Communications, Red Bank, NJ	Members: 8 Prospective Members: 4	CASS/EDS/SSC , Joint with Carleton University
16	Feb. 10, 2012 (Carleton University)	Administrative		Members: 2	CASS/EDS/SSC , Carleton University

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 15 Seminars have been organized (13 conducted and 2 scheduled) from experts of international repute under this chapter during Oct. 29, 2011 – Oct. 19 2012, with speakers coming from various parts of the world (out of which 4 seminars were DLs). Typical attendance for the talks ranged between 10 or higher. In addition, one CASS administrative meeting was held.

A major accomplishment of the chapter is that, it has been recognized for its leadership for its activities by the CASS society and has been granted \$4000 to organize a workshop on high-speed circuit issues/modeling and simulation. This workshop is currently being planned by the local chapter to be held during the third week of Nov. 2012.

Unique Events:

15 seminars (4 DLP) from Eminent speakers (either directly arranged or co-sponsored with other chapters) and one CASS Administrative meeting were held by the chapter.

A major accomplishment of the chapter is that, it has been recognized for its leadership for its activities by the CASS society and has been granted \$4000 to organize a workshop on high-speed circuit issues/modeling/simulation. This workshop is currently being planned by the local chapter to be held during the third week of Nov. 2012.

The joint chapter chair, Ram Achar, as a distinguished lecturer of CASS society was invited by various other cass chapters to give DLPs, including those from Singapore, Beijing (China), Penang (Malaysia), Santiago (Chile), Montevideo (Uruguay), Porto Allegre (Brazil), Bangalore (India), Monteval (QC), and St. Johns (NFLD), during the past year.

EMC – Electromagnetic Compatibility Society

Chair: Syed Bokhari, bokhari@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
January 26, 2012, 6 PM, Fidus Systems, 900, Morrison Drive. Ottawa	Technical Presentation As an important module of navigation and communication systems, the system properties depend mainly on an airborne high frequency (HF) antenna	Design of Airborne HF antennas- Naizhi Wang	9/16	AP/MTT
June 15, 2012	Technical Presentation We are now facing considerably concerns on intentional and non-intentional electromagnetic interferences (IEMI & EMI) issues related to various communication platforms, which can cause serious degradation in reliability of devices, circuits and systems.	Multi-Physics method for High Power Electromagnetics and Nano Electronics by Prof. Wen Yan Yin	7/10	AP/MTT, CASS/EDS/SSCS
June 25, 2012	Technical presentation This talk will introduce silicon based IC circuits and Tx & Rx system design	mm-Wave /THz Silicon-based IC Design and Applications by	15/20	AP/MTT, CASS/EDS/SSCS

	techniques for >10Gbps communications and imaging applications, and share latest research results with audience.	Dr. Yong-Zhong Xiong		
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Proposed events for next year include inviting distinguished lecturers.

EMBS – Engineering in Medicine and Biology Society

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

Vice-Chair: Yuu Ono, Ph.D. SMIEEE

Secretary: James Green, Ph.D. SMIEEE

Webmaster: Adrian Chan, Ph.D. SMIEEE

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

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
Nov 10, 2011, 18:00-19:30, Carleton Univ	Tech Meeting	Monitoring multiorgan variability in health and illness: Complexity science at the bed side/ Dr. Andrew JE Seely, University of Ottawa	2/15	
Nov 17, 2011, 18:00-19:30, Carleton Univ	Tech Meeting	Clinical engineering and ventricular assist device (VAD) program support: The Ottawa heart institute experience/ Mr. Timothy Zakutney, The Univ of Ottawa Heart Institute	2/17	
Nov 24, 2011, 18:00-19:30, Carleton Univ	Tech Meeting	Biomedical engineer meets entrepreneur/ Dr. Mehran Talebinejad, McGill Univ	2/20	Joint Chapters of TMC, PSS and SSIT, Ottawa Gold Affinity
Jan 13, 2012, 14:00-15:00, Carleton Univ	Tech Meeting	Environment-Robust Brain-Computer Interfaces: Can Insights be Used for Biologically-Inspired Speech Processing/ Dr.	4/14	

		Tiago H. Falk, Institut National de la Recherche Scientifique (INRS- EMT)		
Jan 18, 2012, 18:00- 19:30, Carleton Univ	Tech Meeting	Presenting your research/ Dr. A.D.C. Chan, Carleton Univ	6/27	
April 4, 2012, 18:00- 19:30, Carleton Univ	Tech Meeting	From Biometrics to Writer Identification: Methods, Applications and Issues/ Dr. Kurban Ubul, Xinjiang Univ, China	1/8	
April 13, 2012, 12:00- 14:00, Carleton Univ	Tech Meeting	Advances in Body Area Networks/ Dr. Min Chen/ Huazhong Univ of Science and Technology, China	20/35	CS, LM Affinity, SP/OE/GRS Joint Chapters
Sept 26, 2012, 15:30- 19:00, Carleton Univ	Tech Meeting	Simultaneous classifier design and feature selection for pattern recognition in biotechnology/ Dr. Richard Weber, Universidad de Chile	7/39	CI
Oct 3, 2012, 14:30-16:00, Carleton Univ	Tech Meeting	Routes to Success in Academic Research: A Personal Perspective/ Dr. John Bandler, McMaster Univ	TBD	Carleton Univ Faculty of Eng Design, Carleton Univ DOE, IEEE Ottawa Section, CAS/EDS/SSC, CPMT, AP/MTT, EMBS, EMC, CI/SMCS, SP/OE/GRS, WiE and LM Affinity
Oct 18, 2012, 14:30- 16:30, Carleton Univ	Tech Meeting	Green RFID/ Dr. Luca Roselli, Univ of Perugia, Italy	TBD	AP/MTT, LM Affinity, Jt Chapters of SSIT and TMC, CS, EIT, IMS, CPMT, DOE

Unique Events:

Activities with Carleton Univ EMBS Student Club (CU@EMBS)

- a) The Mix and Mingle Event
- b) Information Session for Membership
- c) Biomedical Engineering Networking and Career Information Event
- d) Student Mini Conference
- e) Interactive Workshop: How to Network
- f) Summer Social for Students
- g) Winter Social Series
- h) Pints with Profs
- i) Movie Night

Proposed unique events:

12 technical talks of which at least 3-5 talks would be out-of-town. Budget is sought for out-of-town speakers (accommodation for a night: \$600, meals+local travel: 200). 2 DLs will be held (Need written commitment from the Section for \$1000 each so that the Society can match), a IEEE Ottawa WIE-EMBS Workshop will be conducted (need written commitment from the Section for \$1000 so that Society can match). Chapter will be sponsoring the MeMeA Conference and also proposes to hold a WARM Symposium (budget will be presented to the Section Officers early next year. Patronage from the Section for \$500 will be sought).

IMS – Instrumentation and Measurement Society

Chair: Voicu Groza, vgroza@ieee.org

Vice Chair: Branislav Djokic, branislav@ieee.org

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/ Total	Joint Activity Sponsors
Oct. 5, 2012, 19:00-21:00, Algonquin College, 1385 Woodroffe Av Ottawa	Tech Meeting	Interoperability and Interference in Modern Railway Systems and its Instrumentation & Measurement Implications / Dr. Andrea Mariscotti, University of Genova		IMS, PES, RS & PEL, Ottawa Educational Activities, Algonquin College IEEE Student Branch
Oct. 18, 2012, 19:00-21:00, Carleton University, DoE, Mackenzie bldg	Tech Meeting	“Green RFID”: an enabling technology towards the Internet of Things (IoT) world / Dr. Luca Roselli, Perugia, Italy		AP/MTT, EMC, EDS/ CAS/SSCS, CPMT, Comp Soc, EMBS, TMC/ PCS/ SSIT, LM, EiT

Proposed Unique Events:

International Symposium on Medical Measurements and Applications MeMeA 2013

(<http://memea2013.ieee-ims.org/memea2013>), May 4-5, 2013, to be held at the Université du Québec en Outaouais (UQO), Gatineau (Québec) Canada

General Chairs:

Voicu Groza, University of Ottawa

Rafik Goubran, Carleton University

Marek Zaremba, Université du Québec en Outaouais

Technical Program Chairs:

Miodrag Bolic, University of Ottawa

Sergio Rapuano, Università del Sannio

Publications Chairs:**Hilmi Dajani, University of Ottawa**

Domenico Grimaldi, Università della Calabria,

Local Arrangements Chairs**Alain Charbonneau, Université du Québec en Outaouais****Raed Abdullah, Hydro Ottawa****Wahab Almuhtadi, Algonquin College****Branislav Djokic, National Research Council, Canada****Steering Committee**

Gregorio Andria, Politecnico di Bari,

Pasquale Daponte, Università del Sannio,

Alessandro Ferrero, Politecnico di Milano,

Rafik Goubran, Carleton University

Sabrina Grassini, Politecnico di Torino,

Domenico Grimaldi, University of Calabria,

Voicu Groza, University of Ottawa,**Radu Leca, Decanex Inc., Toronto**

Aimé Lay-Ekuakille, University of Salento,

Emil Petriu, University of Ottawa,

Octavian Postolache, Institute of Telecommunication & Escola Superior de Tecnologia de Setubal, Portugal

Sreeraman Rajan, Defence Research and Development Canada-Ottawa

Sergio Rapuano, Università del Sannio,

Mario Savino, Politecnico di Bari,

Annamaria Varkonyi-Koczy, Obuda University, Hungary

Wendy Van Moer, Vrije Universiteit Brussel, Belgium

Photonics Society Chapter (PH036)Chair: Dr. Kexing Liu, kexing.liu@ieee.orgTreasurer: John Bernard, john.bernard@nrc-cnrc.gc.caSenior Past-Chairman: John Alcock, john.alcock@nrc-cnrc.gc.ca

Activity Type (Technical Meeting, etc)	Title/Speaker or Workshop Name	Attend PHO/ IEEE/ Total	Joint Act. Sponsors
<i>January 18, 2012, Recent Business Advancements in Photonics</i>	Presenter: Robert Keys, Chief Architect, Optical Solutions, BTI Systems The unprecedented volume of broadband traffic and on-demand Internet video content—combined with a tremendous increase in the use of mobile broadband applications—has created an inflection point in today's communications service provider industry. Traffic is exploding across the network with the metro serving as the traffic hub where wholesale, retail and business services are created, deployed and delivered to subscribers. Service providers are now faced with a critical decision point in the development of their networks: will they compete in the delivery of high value digital content and create high-value services, or do they succumb to competing solely in a commodity driven bandwidth services market?	7/9/ 71	OPRA OPIN- OPC

Activity Type (Technical Meeting, etc)	Title/Speaker or Workshop Name	Attend PHO/ IEEE/ Total	Joint Act. Sponsors
<i>February 23, 2012, Technical Seminar</i>	Silicon-On-Insulator (SOI) Based Nanophotonic Devices by Prof Sawsan Abdul-Majid, University of Ottawa, Canada	5/13/ 19	AP/MTT Ottawa Photonic Week
<i>February 23, 2012, Technical Seminar</i>	Silicon Photonics: Devices and Applications by Prof Winnie Ye, Carleton University, Ottawa, Canada	5/13/ 19	AP/MTT Ottawa Photonic Week
<i>April 10, 2012 Recent Advances in Photonics - An IEEE Photonics Society Ottawa Chapter Symposium in conjunction with OPRA/OPIN- OPC/NRC/IEEE AT-MTT Ottawa Chapter</i>	Program 8:30am Registration and Networking 9:00am Opening Introduction 9:05am Invited Speaker: Prof Jianping Yao, University of Ottawa, Canada, "Photonic generation of microwave signals" 9:45am Invited Speaker: Dr Jeffrey Wheeldon, University of Ottawa, Canada, "GaInP/InGaAs/Ge Quantum Dot Enhanced Solarr Cell at up to 1000-Suns" 10:25am Coffee Break 10:40am Invited Speaker: Dr Dan Grobnc, Communications Research Center, Canada, "Bragg gratings made with femtosecond radiation for sensing, fiber lasers and nonlinear optic application" 11:20am IEEE PS Distinguished Lecturer: Prof Katsumi KISHINO, Sophia University, Japan, "GaN-based Nanocolumn Emitters and related Technologies" 12:20pm Closing Remark, Announcement, and Door Prizes	11/13/ 52	OPRA OPIN- OPC NRC IEEE AP- MTT Ottawa Chapter
<i>May 8, 2012, Technical Seminar</i>	"Polarization in Fiber Optics" by IEEE PS Distinguished Lecturer, Prof. Lianshan Yan, Southwest Jiaotong University, Chengdu, China	8/12/ 28	IEEE AP/MTT Ottawa Chapter University of Ottawa
<i>July 10, 2012 Chapter Executive Planning Meeting</i>	Meeting attended by the chapter executive officers --Agenda-- - Annual report - Chapter subsidy request - Student symposium - Photonics North 2013 - Finding new volunteers for future executives	3	N/A

PES – Power and Energy Society

Chair: Wahab Almuhtadi, almuhtadi@ieee.org

Vice Chair: Branislav Djokic, branislav@ieee.org

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
Friday January 20, 2012, 12:45pm Carleton	Technical Presentation	Coordinated Control Strategy and Energy Optimization in Smart Grid Speaker: Dr. Hasan Mehrjerdi, Industrial	Unknown	

University		Postdoctoral Fellow at Research Institute of Hydro-Quebec (IREQ), Varennes, Canada		
Friday, Mar 02, 2012, 10:45 am Carleton University	Technical Presentation	Anti-Islanding Protection of Inverter-Based Distributed Generation Speaker: Dr. Xiaoyu (Kevin) Wang, Assistant Professor, Dept. of Electrical Engineering, Tsinghua University, Beijing, China	Unknown	
Thursday, May 24, 2012, 6:00 pm	Technical Presentation	Evaluating Canada's energy alternatives and the place of nuclear energy among them Speaker: Arnold Eyre, Fellow CSSE, and Don Lawson, Fellow CSSE Canadian Society for Senior Engineers (CSSE)	Unknown	

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

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

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
DATE: Friday, October 5, 2012 TIME: 6:30 pm Algonquin College, Room P210	Technical Meeting	Interoperability and Interference in Modern Railway Systems and its Instrumentation & Measurement Implications Dr. Andrea Mariscotti, Professor, University of Genova, Italy		IEEE Ottawa PES, IMS, and RS&PEL Chapters, Ottawa Educational Activities, and Algonquin College IEEE Student Branch
Thursday, May 24, 2012 TIME: 6:00 pm Algonquin College Room P214.	Technical Meeting	Evaluating Canada's Energy Alternatives and the Place of Nuclear Energy Among Them Arnold Eyre, Fellow CSSE, and Don Lawson, Fellow CSSE		IEEE Ottawa PES and RS Chapters, Ottawa Educational Activities, and Algonquin College IEEE Student Branch

Friday, Mar 02, 2012 TIME: 10:45 pm Carleton University,		Anti-Islanding Protection of Inverter-Based Distributed Generation Dr. Xiaoyu (Kevin) Wang, Assistant Professor, Dept. of Electrical Engineering, Tsinghua University, Beijing, China		DoE Seminar Series in collaboration with IEEE CASS/EDS/SSCS Ottawa Joint Chapters, IEEE PES Ottawa Chapter, and Reliability Ottawa Chapter
Monday, December 12, 2011 TIME: 10:40 am National Research Council, Building M-50, Room 115.,	Technical Meeting	Atmospheric Icing of Power Networks: State of Our Knowledge, Protection Methods and Future Challenges : Professor Masoud Farzaneh, University of Quebec in Chicoutimi Chicoutimi, Quebec, CANADA		Joint IEEE Ottawa-Montreal Section DEIS Chapter, IEEE Ottawa PES Chapter, IEEE Ottawa RS Chapter, and EPMG of INMS/NRC.

Best practices: This joint society chapter has similarity in fit with other section society chapters. Thus, it is best to hold joint activities.

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
October 3, 2012, Carleton, Ottawa	Seminar presented by Dr. Bandler on his personal perspective on academic success.	Dr. Bandler/Routes to Success in Academic Research: A Personal Perspective	TBA	CAS/EDS/SSC, CPMT, AP/MTT, EMBS, EMC, CI/SMCS, WiE, LMA
September 12-14, 2012, DRDC, Ottawa	Workshop where Canadian researchers and practitioners working on target tracking and sensor fusion for surveillance, with applications in civilian and defence domains, were invited to present their work describing	The Second Canadian Tracking and Fusion Group Workshop held in Ottawa, Canada	10 Members 35 Prospective Members	DRDC, IEEE Ottawa, AESS, CIS, CS

	advances, applications, and ideas.			
July 27, 2012, Ottawa U.	Technical seminar	Dr. Petar Djukic /Software-based 802.11 Overlay TDMA MAC	10 Members 5 Prospective Members	
June 15, 2012	IEEE Distinguished Lecture	Dr. Fabrizio Granelli/Networking and the Smart Grid	10 Members 4 Prospective Members	ComSoc/BTS/CES, AP/MTT
April 13, 2012	Technical Seminar	Min Chen/Advances in Body Area Networks by	15 Members 20 Prospective Members	CompSoc, EMBS, Ottawa Life Members Affinity
March 2, 2012	IEEE Distinguished Lecture	Ricardo L. de Queiroz/Greener Video Coding	8 Members 6 Prospective Members	ComSoc /BTS /CES and Algonquin SB

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

Chair: Jean Couillard, couillard@management.uottawa.ca

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

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
16 Feb 2012 RACentre 7.30pm	Technical Presentation Speaker: Bob Burrows, G4 Apps, Oakville	Connected-Vehicle Applications	Attend IEEE – 4 total - 16	VTS, AESS, Algonquin College 7pm IET-UK
2 May 2012 Algonquin	Technical Presentation Speaker: Frank Rayal,	The Air Interface – 2G	Attend IEEE – 13	VTS, AICN

College 7pm	BliNQ Networks	to 4G & beyond	Total – 25	
26 Sep 2012 Crowsnest, Naval Mess	Technical Presentation Speaker: Barrie Kirk, Globis Ottawa	ATIS for Road Vehicles	Attend IEEE – 4 Total 8	VTS, IET-UK
05 Oct 2012 Algonquin college P- 210 7pm	Technical Presentation Speaker: Andrew mariscotti, U Genova	Interoperability & Interference in Modern Railway Systems & its I & M Implications	Unknown	

Recommended best practices include:

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

Proposed events for next year include:

- Electronics in vehicles & field trip; advances in cell phone technology, Field visit QNX Kanata

Affinity Groups

AICN – Alliance of IEEE Consultant Network

Chair: Bhagvat Joshi, bjoshi@ieee.org

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

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, etc) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
May 29 2012 Algonquin College 7:00 PM	Tech Meeting /Workshop Talk on consulting as a career – benefits, challenges and insight from a prominent practitioner in the field.	“Consulting as a Career” – Dr. John Legget	6/17	IEEE EiT
May 2 2012: Algonquin College 7:00 PM	Tech Meeting Technical talk on a very topical subject of spectrum utilization and best	Evolution of the Air Interface from 2G to 4G and Beyond – Frank Rayal; Blinq Networks	7/22	IET , IEEE VTS

	practices			
August 8 2012 : Algonquin College 7:00 PM	“Tech Meeting /Workshop Workshop on using social media and ensuring that reputation – a key aspect of consulting is not compromised.	Reputation Management” – Len Fardella - PNJ	5/16	

Proposed events for next year:

- Workshop on tax, liability and other issues relevant to those who wish to practice as consultants (March 2013; Ottawa; \$ 300 for room and refreshments)
- Follow up on workshop on Social Media for consultants and self-employed persons

GOLD – Graduates of the Last Decade

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

LM – Life Member

Chair: David Coll, dccoll@ieee.org

Vice Chair: John Wilson, jamwilso@allstream.net

WIE – Women in Engineering

Chair: Winnie Ye, Winnie_ye@carleton.ca

Vice Chair: Melike Erol-Kantarci

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 22, 2012, 6pm-10pm, Hard Rock Cafe	Networking event	Networking event	50	IEEE Student Branch WIE Affinity Groups at University of Ottawa and Carleton University
June 13, 2012, 12:30-2pm, Ottawa Convention Centre	Workshop	WIE Panel on Career Transition (Dr. Lucy Hood, Prof. Neeli R. Prasad, Prof. Octavia A. Dobre)	50	IEEE Women in Engineering Canada; N2Women
Oct. 3, 2012, 2:30pm – 4pm, Room	Joint Public Seminar	Prof. John Bandler	Unknown	Carleton University, IEEE Ottawa CAS/EDS/SSC/WIE,

UC282, University Center, Carleton University, Ottawa, K1S5B6				CPMT Chapters
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- Planned events: The WIE Ottawa Chapter plans to hold a welcome networking event next year in March. More details to come.

Student Branches

Algonquin College

Chair: Natalia Gorbenko, gorbenn@algonquincollege.com

Vice Chair: Ricky Wong

Secretary: Thanhhiu (Hieu) Nong

Treasurer: Emmanuel Jean Pierre

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
Friday, October 5, 2012, 6:30 pm Algonquin College, Room P210	Technical Presentation	Interoperability and Interference in Modern Railway Systems and its Instrumentation & Measurement Implications Speaker: Dr. Andrea Mariscotti, Professor, University of Genova, Italy	Unknown	
Friday June 15, 2012, 10:30am, Ottawa Convention Centre, Room 211, 2nd floor, Ottawa	Technical Presentation	Networking and the Smart Grid: the relevance of communications in the future of power grid Speaker: Dr. Fabrizio Granelli, Dept. of Information Engineering and Computer Science (DISI) of the	Unknown	

		University of Trento, Italy		
Thursday, May 24, 2012, 6:00 pm	Technical Presentation	Evaluating Canada's energy alternatives and the place of nuclear energy among them Speaker: Arnold Eyre, Fellow CSSE, and Don Lawson, Fellow CSSE Canadian Society for Senior Engineers (CSSE)	Unknown	
Tuesday March 27, 2012, 5:00pm Algonquin College, Room T304	Technical Presentation	Eastern Ontario Student Paper Competition - 2012	Unknown	
Thursday, March 15, 2011, 6:00 PM - 10:30 PM Westin Hotel	Non-technical Presentation	IEEE Student Professional Awareness Conference SPAC 2012	Unknown	uOttawa and Carleton Student Branches
Friday March 2, 2012, 5:00 Algonquin College, Room T129	Technical Presentation	Greener Video Coding Speaker: Prof. Ricardo L. de Queiroz, Universidade de Brasilia	Unknown	
August 25, 2012	Technical Presentation	Algonquin College Research Day	Unknown	

Carleton University

Chair: Ifunanya Ukachukwu, ifunanyaukachukwu@ieee.carleton.ca

Vice-Chair: Francis Marquez, Francis.Marquez@ieee.carleton.ca

Secretary: William Chou, wchou@ieee.carleton.ca

Treasurer: Maurice Weir, maurice.weir@ieee.carleton.ca

Webmaster: Amente Bekele, amente.bullo@ieee.carleton.ca

Activity Type (Tech Meeting, Workshop, DL, date, description)	Title/Speaker or Workshop Name	Attendance IEEE Society/ IEEE/Total	Joint Activity Sponsors
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etc)			
Administration	Bi-Weekly Exec Meetings	<u>10-15</u>	
Administration	Elections (a week-long in March before the AGM where students apply for positions and have interviews for their positions)	<u>15-20</u>	
Non-technical	AGM (March)	<u>20-30</u>	
Administration	IEEE Exec weekend – May 4-5 Team building activities Exec training Graduating Executives' Dinner	<u>15-20</u>	
Non-technical	Printing Course Packs for students (May , September, January)	<u>hundreds</u>	
Administration	IEEE OS meeting – 2011 and up to Sept 6 th , Oct 4 th 2012		
Technical	IEEE Student Branch Website Competition meetings	<u>3-5</u>	
Non-technical	Beginning of year presentations – to first year graduate and undergraduate students to introduce them to IEEE	<u>~20</u>	
Non-technical	Club week – Have a booth at the university center to promote IEEE and get new volunteers	<u>~45</u>	

Best Practices – Collaboration with University of Ottawa – Allows both branches to grow because we host big events and a lot of the volunteers get to meet each other. We also have a healthy relationship that allows us to compete and still work together.

Awards and/or Recognitions

- George Armitage Outstanding Student Branch
- 2nd Prize, Regional Website Competition

- CUSA (Carleton University Student Association) Outstanding leadership award
- Abdulhak Nagy - recipient of IEEE Canadian Foundation Scholarship
- Hasith Vidanamadura ,Abdulhak Nagy, Mohammed Farhan– Outstanding Student Branch Volunteer
- Carleton Ballistics Group - CanSat Competition
- Laura Mutu- Special mention Larry K Wilson Regional Student Activities Award
- Carleton University team – 1st place Eastern Ontario Paper competition

IEEE Day

Date: October 6th, 2011

IEEE WIE held a booth in the engineering buildings to raise awareness about IEEE and WIE.

More details at ieeeday.org

IEEE Xtreme 5.0 programming competition

Date: October 22rd, 2011

IEEE Xtreme is a global challenge in which teams of IEEE student members – supported by an IEEE Student Branch, advised and proctored by an IEEE Member – compete in a 24-hour time span against each other to solve a set of programming problems.

More details about the event at <http://www.ieee.org/xtreme>

AGM Ottawa Section

Date: October 20, 2011

Students volunteer at the IEEE Ottawa Section AGM to help out with registration, ushering and other duties, gaining important leadership and organizational skills and insights, as well as a great opportunity to network.

Analog and Digital (FPGA) Electronics Competition:

Date: December 1-5, 2011, April 3rd, 2012

Students had to build on their knowledge gained in the Electronics II course to build a crossover filter.

FPGA competition: Students were required to modify the work done in the ELEC 3500 lab during the term. Teams are judged on their ideas, innovation, design and implementation. In both competitions students were judged by professors as well as professionals, and first three students received prizes.

Battle Royale:

Date: November 5-6, 2011

Battle Royale is a 24 hour local area network (LAN) event involving people coming together to play various console and computer based games. This event is hosted by Carleton and University of Ottawa.

The goal of the LAN event is to bring together future engineers, computer scientists, and anyone with a passion for gaming to one location where the competition is fierce and the competitors are friendly.

More details at battleroyale.ca

Carleton University Green Energy Symposium (CUGES)

Date: November 5th, 2011

A one-day conference and workshop hosted by Carleton University Sustainable and Renewable Energy Engineering (SREE) on sustainable energy policy and technology. Carleton had a booth and raised awareness about IEEE and its relations to sustainability.

Industry tours

Ciena Tour - Thursday, January 19th, 2012

Hydro Ottawa – April 5th, 2012

During the Industry tours, students have the chance to explore the facilities of companies around Ottawa, find out what exciting work lies ahead. They are great chances to network and for the companies, to get their name out there to students and meet the great and the brightest.

EMBS Career Event

Date: March 5th 2012

Career event organized by the EMBS Club(Biomedical society)

IEEE Carleton SB helped promote the event, talked about IEEE benefits and SB events

SPAC (Student Professional Awareness Conference)

Date: March 15th, 2012

SPAC is a formal dinner event that aims to bridge the gap between students and their career goals. SPAC offers students and employers a unique opportunity to network with each other in a professional environment with professionals and academics representing the field of Engineering

For more than 6 years, IEEE SPAC has been organized by the IEEE Student Branches of Carleton University, University of Ottawa, and Algonquin College.

More details at <http://www.ieeespac.ca>

IEEE WIE Annual Wine & Cheese

Date: March 22nd , 2012

An evening of socializing and networking with students and professor from the University of Ottawa and Carleton University, and industry professionals; who study and work in the fields of electrical, computer, and software engineering, sciences, and technology. This was a joint event with WIE uOttawa.

Microcontroller workshops

Dates: November 2011, March 2012, August 2012

The purpose of this workshop series is to introduce microcontrollers and look at their applications. A microcontroller is a small and very simple CPU that can be used for many different things because they are inexpensive and easy to use. They can be used to interface with things like DC motors, servo motors, light sensors and lots of other things. We are using a board called the Arduino.

Papers' competition

Date: March 21st, 2012

The purpose of the IEEE Student Paper Competition is to offer student members the opportunity to exercise and improve both written and verbal communication skills. As we move towards a global community, effective communication skills are becoming increasingly important. Whether you go into graduate studies, research and design engineering, sales, or management, you will be required to write reports and give presentations. Skills that you develop and use now will give you an edge when you enter the working world.

Carleton University organizes an evening where all students interested in presenting their fourth year projects or extracurricular interests can come and present in front of judges and other students interested in the topics. First three groups earn a prize and move on to the next level of the competition, Eastern Canada area.

More at: http://www.ieee.ca/students/pap_comp.htm

IEEE Carleton AGM

Date: March 29th, 2012

New executives are introduced and the annual report presented, giving a chance to everyone to present what they want to accomplish for next year and to network.

IEEE weekend

Date: May 4-5, 2012

During this weekend, there are team building exercises, training and a dinner. Old and new executives come together to transfer the knowledge gained in the past year about their positions and ensure that future executives are comfortable and confident in the following year. Team building activities are held to help the new executives get comfortable around each other. After training, the old and new

executives go for dinner to a nearby restaurant to thank the graduating executives for their involvement with the branch and to congratulate them on their graduation.

ICC 2012

Volunteers from Carleton SB helped with the weeklong conference

Other events held during the year

- Volunteer's Training SPAC - March 15th
- Robotic Arm Workshop (Abdulhak) - March
- Papers' competition - March 21st
- EIT Presentation Competition - March 28th
- FPGA competition - April 3rd
- Elections - end of February/beginning of March
- Volunteers Appreciation Party/AGM – March 29
- IEEE Student Branch Website Competition - April 30th
- New Exec Training Day/Planning/team building activity -May 4th
- Grad's Lunch - May 5th
- WISE Design Tomorrow's Day/Celebration of Women in Engineering
- ICC 2012 SB activities - 10-15 June 2012 (faculty tours)
- Carleton EXPO - Sept 5th, 2012 – Booth showcase of IEEE to Carleton students
- Volunteers Training - Sept 26th, 2012 – introducing future volunteers to services the SB provides
- WIE Frosh dinner - September 6th 2012 – Dinner to introduce 1st year students to WIE and IEEE
- IEEE Students' Congress - September 14-16, 2012 – training for IEEE SB leaders from
- IEEE Day - October 2nd , 2012

Plans for next year:

Workshops: To enhance the learning experience of students by showing real world application of material learned in class

Competitions: A good way to enhance the students' learning experience, give them a chance to have side projects that they can put on their resume

Volunteer appreciation: Have food, watch a movie or play games and relax while appreciating the time that the volunteers have put in through the term. This encourages students to come back the next term

Company tours: This gives students a chance to network and for the companies, to get their name out there to students and meet the great and the brightest.

IEEE exclusive events – This shows students the benefits of paying for their membership and increases the number of members for the society

GOLD related event – Encourage graduated students to renew their membership and increase collaboration with IEEE GOLD

Upcoming Events:

October 2012

- Microcontroller Workshop
- IEEE Xtreme - 20th October 2012
- Electronics introduction workshop
- Career IEEE exclusive event

November 2012

- Code Jam – First year programming competition
- Battle Royale
- Website Workshop
- Tour – Prospective companies: Cisco, QNX, Alcatel lucent, Hydro Ottawa, Abbot
- GOLD related event

December 2012

- Volunteer Appreciation Party -
- Robot Arm Workshop
- Analog competition
- Digital competition

January 2013

- Microcontroller Workshops
- Ericsson tour
- Hydro Tour
- Graphics workshop

February 2013

- SPAC
- Biomed Competition
- Elections

March 2013

- Microcontroller workshop
- FPGA Competition
- Papers Competition
- Eastern Papers Competition
- WIE Wine and Cheese
- National Engineering Week - WIE booth and Meet and Greet (with Carleton Recruitment)

April 2013

- AGM
- Volunteer Appreciation Party
- SYSC 2003 competition

May 2013

- IEEE Execs retreat / training
- Graduating Execs dinner

June 2013

- Electronics workshop

University of OttawaChair: Jeffrey Arcand, chair@ieeeuottawa.ca

Vice Chair: Janac Meenachisundaram

Treasurer: Antoine Grondin

Webmaster: Maher Manoubi

Website: [http:// www.ieeeuottawa.ca/](http://www.ieeeuottawa.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 6-7 2011, Desmarais Building, University of Ottawa	An annual international conference hosted at uOttawa, also featuring technical presentations in the industry of video games, telecommunications, telepresence, etc.	NetGames Conference	40 /40	IEEE ComSoc
October 22 2011, Canada Science and Technology Museum	Ran electronics-themed activities in a section of the museum as part of their National Science and Technology Week events.	National Science and Technology Week event	2 /60 (est)	IEEE-OS TISP
November 5-6 2011, Norm Fenn Gym, CarletonU	The student branch's annual 25-hour LAN computer gaming competition, this year achieving a 80% growth from the previous year.	Battle Royale V	20 /250	IEEE CarletonU SB, Algonquin College SB
November 26 2011, CBY Bldg , uOttawa	Another installment of the Arduino microcontroller workshop.	Microcontroller Workshop	5 / 20	none
December 28 2011, SITE Bldg, uOttawa	Helped prepare and deliver the material for this event.	Holiday Science Lecture	2 / 60-80	none
March 15 2011, Westin Hotel	The student branch's annual banquet and networking event featuring three keynote speeches, one from academia, another from a startup, and a third a large enterprise.	IEEE Student Professional Awareness Conference (SPAC)	30 / 250	IEEE CarletonU SB, Algonquin SB
March 22 2011, Hard Rock Café	The student branch's annual semi-formal networking event supporting women in engineering.	IEEE WIE Wine and Cheese	8 / 60+	IEEE CarletonU SB (WIE)
June 2012, Ottawa	The annual conference organized by IEEE ComSoc and	IEEE International	1800(?) / 2600	IEEE ComSoc,

Convention Centre	the IEEE Ottawa Section.	Conference on Communications (ICC) 2012	participants	both other SBs
October 14, 2012, CBY Building, uOttawa	Another installment of the Arduino microcontroller workshop.	Microcontroller and Soldering Workshop	Expected 30 guests	none

Awards/ Recognitions:

- the Student Branch of the Year award for 2011 (from the IEEE Ottawa Section)
- the MGA Region 7 Exemplary Student Branch Award 2011
- the MGA Region 7 Exemplary Student Branch Award 2012
- the Region 7 Website Contest 2012 (from IEEE Canada)
- IEEE Canadian Foundation Scholarship (for Jeffrey Arcand)

Unique Events:

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

Proposed Events:

- IEEE Student Professional Awareness Conference (SPAC) – March 2013
- The student branch's annual banquet and networking event
- About \$16,700 in expenses, and \$17,800 in revenues. Usually receive \$500 in support from Ottawa Section.
- Battle Royale VII – November 2013
- The student branch's annual 25-hour LAN computer gaming competition
- About \$9,900 in expenses, and \$13,100 in revenues. Usually receive \$500 in support from Ottawa Section.

IEEE Ottawa Section Executive 2012

The current IEEE Ottawa Section executive officers are as follows:

- Chair: Dr. Sreeraman Rajan, SMIEEE - sreeraman@ieee.org
- Vice-Chair: Dr. Rami Abielmona, SMIEEE, P.Eng. - rabiemo@ieee.org
- Treasurer: Ms. Anissa Shaddy - anissa@ieee.org
- Secretary: Mr. Rob Woolley - rcwoolley@ieee.org
- Past Chair: Mr. Raed Abdullah, SMIEEE, P.Eng. - raedabdullah@ieee.org

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

IEEE Ottawa Section Elections for 2013

The Section officers proposed by the Nomination and Appointments Committee for the Ottawa Section Executive in 2012:

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

Other nominations supported by a petition of at least 10 IEEE Ottawa full members are welcome too, and should be sent to the Nominations and Appointments Committee Chair Raed Abdullah raedabdullah@ieee.org no later than Oct. 10, 2012.

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 2012 Executive

Name	Title	Email
Executive		
Sreeraman Rajan	Chair	sreeraman@ieee.org
Rami Abielmona	Vice Chair	rabiemo@ieee.org
Rob Woolley	Secretary	rcwoolley@ieee.org
Anissa Shaddy	Treasurer	anissa@ieee.org
Raed Abdullah	Past Chair	raedabdullah@ieee.org
Committees		
Annual General Meeting (AGM) Planning		
Rami Abielmona	Chair	rabiemo@ieee.org
Awards		
Wahab Almuhtadi	Chair	almuhtadi@ieee.org
Raed Abdullah		raedabdullah@ieee.org
Bylaws		
Branislav Djokic	Chair	branislav@ieee.org
Kexing Liu		Kexing.liu@ieee.org
Communications / Publications		
Ahmad Abdo	Chair	aabdo@ieee.org
Educational Activities (EA)		
Branislav Djokic	Chair	branislav@ieee.org
Engineers in Transition Activities (EIT)		
Emily Chen	Chair	emily.hao.chen@ieee.org
Bruce Yu	Vice Chair	bruce.yu.gn@ieee.org
Thamelene Davarajah	Vice Chair	thamelenee.ieee@gmail.com
IEEE Canada Humanitarian Technology Ad-hoc Committee		
Alfredo Herrera	Chair	alfredo.herrera@ieee.org
Membership Development (MD)		
Shatha Hamoudi	Chair	shatha@rogers.com
Mohammed Islam	Vice Chair	maislam@ieee.carleton.ca
Nominations and Appointments		
Raed Abdullah	Chair	raedabdullah@ieee.org
Wahab Almuhtadi		almuhtadi@ieee.org
Branislav Djokic		branislav@ieee.org
John Grefford		Grefford@ieee.org
Tom Lavrisa		lavrisa@ieee.org
Robotics Competition		
Vacant	Chair	

Teacher In-Service Program (TISP)

Janet Davis	Chair	janet.davis@windriver.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
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CI & SMC

Moufid Harb	Chair	moufidh@gmail.com
Nizar Sakr	Vice Chair	nsakr@site.uottawa.ca
Julio Valdes	Vice Chair	Julio.Valdes@nrc-cnrc.gc.ca

CompSoc - Computer Society

Rami Abielmona	Chair	rabiemo@ieee.org
Eric Karmouch	Vice Chair	ekarmouch@ieee.org

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	qjz@doe.carleton.ca
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DEIS - Joint Ottawa-Montreal Chapter of Dielectrics and Electrical Insulation Society

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

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

EMC - Electromagnetic Compatibility Society

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

EMBS - Engineering in Medicine and Biology Society

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

IMS - Instrumentation and Measurement Society

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

LEOS - Photonics Society

Kexing Liu	Chair	kexing.liu@ieee.org
John Bernard	Treasurer	john.bernard@nrc.ca

PES - Power and Energy Society

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

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

Jurek Sasiadek	Chair	jsas@connect.carleton.ca
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R-PEL - Reliability Society & Power Electronics Society Joint Ottawa Chapter (R-PEL)

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

SP, OE, & GRS

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

TM, PCS, & SSIT

Jean Couillard	Chair	couillard@management.uottawa.ca
Alfredo Herrera	Vice Chair	alfredo.herrera@ieee.org

VTS - Vehicular Technology Society

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

Affinity Groups**AICN - Alliance of IEEE Consultant Network**

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

Anissa Shaddy	Chair	anissa@ieee.org
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LM - Life Member

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

WIE - Women in Engineering

Winnie Ye	Chair	winnie_ye@carleton.ca
Melike Erol Kantarci	Vice Chair	melike.erolkantarci@uottawa.ca

Andrea Bourdeau	uOttawa Chair	wie-chair@ieeeuottawa.ca
Daphne Ong	Carleton Chair	daphne.ong@ieee.carleton.ca

Student Branches

Algonquin College

Natalia Gorbenko	Chair	Gorbenn@algonquincollege.com
Abdul Al-azzawi	Faculty Advisor	alazaa@algonquincollege.com

Carleton University

Ifunanya Ukachukwu	Chair	ifunanyaukachukwu@ieee.carleton.ca
Francis Marquez	Vice Chair	
Farham Khan	Branch Mentor	
Calvin Plett	Faculty Advisor	cp@doe.carleton.ca

University of Ottawa

Jeffrey Arcand	Chair	chair@ieeeuottawa.ca
Janac Meenachisundaram	Vice Chair	vice-chair@ieeeuottawa.ca
Shervin Shirmohammadi	Faculty Advisor	shervin@site.uottawa.ca