



IEEE

**Ottawa
Section**



IEEE Ottawa Section Report to the Annual General Meeting

October 19, 2018

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1 IEEE Ottawa Section Chair's Report

The Ottawa Section has had an outstanding year with well over 100 events, technical talks and distinguished lecturers. I started my term with the goal of automating some of the activities of the Section for efficiency, serving the community and increasing the number of conferences organized by the Section. We have completed several internal automation tasks and have raised our ideas to the R7 level. I am pleased to announce that our recommendations were well received and supported by our colleagues at R7. We now have representation on the Vtools Committee from R7 volunteers and R7 is taking the lead at moving the automation of tasks forward. We are grateful for the support and reception from IEEE. We have teamed up with Montreal to bring a few conferences to Ottawa and are very pleased to announce that our bid for Section Congress 2020 was successful. This is the largest IEEE conference for IEEE staff and volunteers. It will allow us to showcase Ottawa as a venue and fulfill our goals of continuing to serve the Ottawa area. Our Lunch and Learn series continues to run a monthly event in the Kanata North region that allows us to offer a networking and learning environment for our colleagues, members and fellow engineers and scientists.

New and Noteworthy

The 16th annual **IEEE Ottawa Robotics Competition (ORC)** was held on May 26th 2018 at Longfields-Davidson Heights Secondary School. The ORC has been co-led for the third straight year by the past competitors, and current 2nd year students, Heidi Li (MD program, uOttawa) and David Huynh (MSc Health: Science, Technology and Policy program, Carleton University). This year, over 350 students from 80 teams in the Ottawa area and beyond participated. IBM Canada continues to be instrumental in supporting ORC by supplying a dozen of the 80+ volunteers needed to run the competition and as ORC's Platinum Patron. The ORC remains relentless in fulfilling their socially responsible vision of reducing gender disparities in STEM and inspiring more of the younger generation to explore STEM. ORC has increased the proportion of girls in the ORC by 26% over 2 years in collaboration with IBM Canada's #IBMSTEM4GIRLS initiative, reducing or eliminating the financial burden on participants of low Socioeconomic status (10% of total participants), and very recently, launching an EV3 Kit Assistance Program to help schools upgrade their older kits to the latest generation of Lego Mindstorms kits with substantial discounts.

IEEE Ottawa Lunch & Learn in The Kanata Tech Hub (<http://ewh.ieee.org/r7/ottawa/lunchandlearn/>)
Ottawa Lunch and Learn is an initiative by IEEE Section to bridge the gap and derive synergy between Ottawa industry, academia, and government. The initiative organized monthly talks on technology and personal development topics by inviting speaker from either industry, academia, or government to the heart of the Kanata Tech Hub.

The Teacher In-Service Program (TISP) of IEEE Ottawa Section and Ciena Cares worked together, under the joint initiative, with Christie Lake kids. They provided STEM learning programs to their Summer Camp as well as to their STAR STEM program. They ran a 9 weeks STAR STEM program in the spring, 3 one day events in the summer and currently are conducting the Fall 9 weeks STAR STEM program. The

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joint initiative uses the TISP activities plus other science experiments to get youth interested and have fun with science and engineering.

I will be completing two years as the chair of Ottawa Section in December 2018 and I am pleased to say that IEEE Ottawa Section is very active, healthy and vibrant. As I step down from this position, I wish to thank our strong volunteering base which makes this section so successful. Without them, none of the above projects, initiatives, events, activities and gatherings would be possible. I want to thank everyone for their support and work they have done to make our Ottawa section one of the best in R7.

Anissa Shaddy, IEEE Ottawa Section Chair

19th October 2019

2 Committee Reports

Annual General Meeting (AGM) Planning Committee

Chair: Zahra Mohammad, ZahraMohammad@cmail.carleton.ca

The planning of the AGM this year concentrated on maintaining and exceeding the Ottawa section's AGM standards in regards to agenda, attendance, exhibitors and more. The AGM is to reaffirm IEEE Ottawa's role as an enabler within the Ottawa high-tech community, to nurture the relationships previously formed along with new ones, as well as bringing Ottawa's tech and engineering community together. An effort was made to streamline the AGM and banquet program to have extra time after the banquet to network and socialize. We welcome your input to continue improving this event.

Awards Committee

Chair: Wahab Almuhtadi, almuhtadi@ieee.org

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

Website: <http://www.ieeeottawa.ca/about/awards-2/>

The Award Committee works closely with IEEE Ottawa Section chapters, committees, affinity groups, and student branches and encourages members, engineering community, academia and Industry to submit their nominations for the IEEE Ottawa Section Awards available on <http://www.ieeeottawa.ca/about/awards-2/>. The Award winners are announced every year at the IEEE Ottawa Section Annual General Meeting-AGM.

The winners for the 2018 IEEE Ottawa Section Awards are as follows:

CORPORATE AWARDS

Outstanding Information and Communications Technology Award:

- Martello Technologies <https://martellotech.com/> for real-time services on cloud and enterprise networks.

Outstanding High Technology Award:

- Senstar Corporation, <https://senstar.com> for perimeter intrusion detection sensors.

Outstanding Clean Technology Award:

- Ensyn <http://www.ensyn.com/> for clean energy technology to produce biocrude from forest and agricultural residues using its proprietary thermal technology.

Appreciation Award:

- **IBM** for its valuable support of the activities of IEEE Ottawa Robotics Competition.

RECOGNITION OF INDIVIDUALS

Outstanding Educator Award

- **Dr. Samy Mahmoud** for an outstanding leadership record of developing and implementing innovative university-based engineering and information technology programs at the undergraduate and graduate levels.

Outstanding Engineer Award

- **Dr. Sreeraman Rajan** for exemplary and unique contributions to research, development and innovation in several industries including nuclear, optical, communications and biomedical engineering; Innovation in Signal Processing Algorithms for contact/non-contact sensing systems.

Outstanding Service Award

- **Dr. Halim Yanikomeroglu** for Substantial and exemplary contribution to IEEE in almost every capacity from conference organization to editorial board membership, research and innovation, teaching and education, and supervising and mentoring 100+ graduate students,

Outstanding Volunteer Award

- **Ms. Anissa Shaddy** for her contributions through the service as the Chair of IEEE Ottawa Section.

RECOGNITION OTTAWA SECTION GROUPS

Outstanding Chapter Award:

- **ComSoc** for organizing technical events, and promoting Institute, Society, Region, and Section.

Outstanding Affinity Group Award:

- **Young Professionals (YP)** for actively helping young professionals evaluate their career goals, polish their professional image, and create the building blocks of a lifelong and diverse professional network.

Outstanding Student Branch Award:

- **Carleton University IEEE Students Branch** for organizing events, providing services, and increasing the Branch membership.

Outstanding Committee Award:

- **Industry Relations Committee** for organizing technical and professional events in Kanata.

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 Committee (CPC)

Chair: Maytham Sabbagh, maytham.sabbagh.ca@ieee.org

Webmaster: Rishi Sharma, rishi.sharma.ca@ieee.org

Social Media: Emma Wang, emmawang@ieee.org

Best Practices
Newsletters are consistently going out
Social media outreach is increasing

Educational Activities (EA) Committee

Chair: Branislav Djokic, branislav@ieee.org

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

Total Number of Technical Meetings:

- This Year (2018) _____ 12 _____
- Last Year (2017) _____ 7 _____

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Overview of Basic Entity Activities

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, Social, Luncheon, etc.) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
Oct 11 th 2018 11:00-12:00 / NRC, Ottawa	Tech Meeting	"Improve Measurement Accuracy on Switching Characteristics of SiC and GaN devices" / Evan Shuster, Testforce Systems	10/25	IEEE Ottawa Section, RS/PELS, PES, ComSoc/CESoc/BTS, Educational Activities and Algonquin College IEEE Student Branch
Oct 10 th 2018 11:00-12:00 / NRC, Ottawa	Tech Meeting	"Power System Harmonics of Modern Nonlinear Loads" / Dr. Alexandre Nassif, ATCO	3/16	IEEE Ottawa Section, PES, RS/PELS, ComSoc/CESoc/BTS, EA and Algonquin College IEEE Student Branch
Oct 9 th 2018 18:00-19:30 / Algonquin College, Room T129	Tech Meeting	"Power System Harmonics of Modern Nonlinear Loads" / Dr. Alexandre Nassif, ATCO	11/16	IEEE Ottawa Section PES, RS/PELS, & ComSoc/CESoc/BTS Chapters, Educational Activities and Algonquin College IEEE Student Branch
Sep 21 st 2018 14:30-15:30 Carleton University	Seminar	"Medical Device Test Strategies"/ J. Max Cortner, IEEE IMS President, USA	18/25	IEEE Ottawa Section IMS, EMBS, ComSoc/ CESoc/BTS, RS/PELS, and PES Chapters, Educational Activities and IEEE Algonquin College Student Branch, Ottawa Carleton Institute for Biomedical Engineering
Sep 21 th 2018 11:00-12:00 / NRC, Ottawa	Tech Meeting	"Medical Device Instrumentation Needs and Test Strategies"/ J. Max	4/22	IEEE Ottawa Section IMS, EMBS, ComSoc/ CESoc/BTS, RS/PELS, and PES Chapters, Educational

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		Cortner, IEEE IMS President, USA		Activities and IEEE Algonquin College Student Branch
Sep 20 th 2018 18:00-19:30 / Algonquin College, Room T129	Tech Meeting	"Medical Device Test Strategies"/ J. Max Cortner, IEEE IMS President, USA	6/8	IEEE Ottawa Section IMS, EMBS, ComSoc/ CESoc/BTS, RS/PELS, and PES Chapters, Educational Activities and Algonquin College IEEE Student Branch
May 24 th 2018 18:00-19:30 / Algonquin College, Room T129	Tech Meeting	"A Microinverter Based, Self Forming Nanogrid for ON and OFF Grid Applications"/ Edward Keyes, Solantro Semiconductor Corp.	6/8	IEEE Ottawa Section RS/PELS, PES, and ComSoc/ CESoc/BTS Chapters, Educational Activities and IEEE Algonquin College Student Branch
Apr. 26 th 2018 18:00-20:00 / Algonquin College, Room T129	Tech Meeting	"FPGA-based Hardware-in-the-Loop Testing for Smart Grid and Electric Motor Drive Applications"/ Sébastien Cense and François Berthelot, OPAL-RT Technologies	6/16	IEEE Ottawa Section RS/PELS, PES, and ComSoc/ CESoc/BTS Chapters, Educational Activities and IEEE Algonquin College Student Branch
Feb. 15 th 2018 18:00-20:00 / Algonquin College, Room T129	Tech Meeting	"Self-Fulfilling Prophecy in Smart Green Communities – A Game Theory Approach in Transactional Demand"/ Dr. Javad Fattahi, University of Ottawa SAGE Lab	6/16	IEEE Ottawa Section RS/PELS, PES, and ComSoc/ CESoc/BTS Chapters, Educational Activities and IEEE Algonquin College Student Branch
Dec. 7 th 2017	Tech Meeting	"Solar Energy and the Northern Weather"/	20/40	IEEE Ottawa Section PES, IMS, RS/PELS, and ComSoc/ CESoc/BTS

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18:00-20:00 / Algonquin College, Room T129		Doug Houseman, Burns & McDonnell, USA		Chapters, Educational Activities and IEEE Algonquin College Student Branch
Dec. 7 th 2017 16:00-17:00 / Hydro Ottawa, Ottawa	Tech Meeting	"Improving Internal Standards to Improve the Utility of the Distribution Grid"/ Doug Houseman, Burns & McDonnell, USA	6/10	IEEE Ottawa Section PES, IMS, RS/PELS, and ComSoc/ CESoc/BTS Chapters, Educational Activities and IEEE Algonquin College Student Branch
Dec. 7 th 2017 11:00-12:00 / NRC, Ottawa	Tech Meeting	"IEEE Grid Vision 2050 and Getting Underground Measurements Right"/ Doug Houseman, Burns & McDonnell, USA	5/23	IEEE Ottawa Section PES, IMS, RS/PELS, and ComSoc/ CESoc/BTS Chapters, Educational Activities and IEEE Algonquin College Student Branch

Engineers-in-Transition (EiT) Committee

Chair: Vacant

There is no report. This committee has been inactive.

Humanitarian Initiatives Committee (HIC) – SIGHT

Chair: Alfredo Herrera

The Ottawa Special Interest Group on Humanitarian Technology (SIGHT) is seeking to transition. The section executive would like to see the Ottawa SIGHT return to its past activity level as it believes that within the Ottawa Section members there is a strong base to warrant successful contributions.

Industry Relations Committee

Chair: Eric Karmouch

Industry relations committee has been working on increasing industry contacts and building relationships with Ottawa's tech sector.

Life Member Committee

Chair: Wolfram Lunscher, wlunscher@gmail.com

Total Number of Technical Meetings:

- This Year (2018) _____ 1 _____
- Last Year (2017) _____ 0 _____

Overview of Basic Entity Activities

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, Social, Luncheon, etc.) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
July 26	Tour	Hydro Ottawa's Chaudierre Falls power station tour	IEEE – 18 Total – 26	

Membership Development (MD) Committee

Chair: Anissa Shaddy, anissa@ieee.org

Vice Chair: Vacant

Overview of Basic Entity Activities

The Ottawa MD team has again received the Silver Medal for Recruitment and Retention. We were active at many events this year holding a booth at our student branch events such as SPAC as well as the Lunch and Learn series.

Nominations and Appointments

The Nomination and Appointments (N&A) Committee is responsible for the nomination and election process for next year's four executive officers of the Section (Chair, Vice-Chair, Secretary and Treasurer). The N&A Committee is also responsible for recommending and appointing qualified candidates for positions in the Section chapters, affinity groups, and committees. The constitution of 2019 N&A Committee will be as following:

Chair: Anissa Shaddy anissa@ieee.org

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Member: Sreeraman Rajan Sreeraman@ieee.org

Member: Raed Abdullah raedabdullah@ieee.org

Member: Wahab Almuhtadi almuhtadi@ieee.org

Member: Branislav Djokic branislav@ieee.org

Member: John Grefford Grefford@ieee.org

Member: Tom Lavrisa lavrisa@ieee.org

Ottawa Robotics Competition (ORC) Committee

Chairs: Heidi Li and David Huynh

Vice Chair: Jiayun (Kelly) Xu

Website: <http://orc.ieeeottawa.ca>

Total Number of Technical Meetings:

- This Year (2018)___4_____
- Last Year (2017)___7_____

Overview of Basic Entity Activities

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, Social, Luncheon, etc.) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
Various dates, across the Ottawa region	Planning meetings	Variable names depending on discussion topic	Averaged	N/A
February 17, 2018, 10 am – 3 pm, University of Ottawa	Work period	Work Period #1	1/10	N/A

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April 28, 2018, 10 am – 3 pm, University of Ottawa	Work period	Work Period #2	1/40	N/A
May 4, 2018, 9 am – 4 pm, University of Ottawa	Work period	Work Period #3	1/50	N/A
May 12 th – 18 th 2018, Various times and locations	Training Session	Training Session	10/100	N/A
May 26 th , 2018. 7 am – 7 pm, Longfields-Davidson Heights Secondary School	Competition Day	Competition Day	10 / 600	IBM, uOttawa, Carleton, Spirit of Math, Analog Devices, etc.
July 3 rd , 2018, 6 – 9 pm, Father and Sons Restaurant	Volunteer Appreciation Party	Volunteer Appreciation Party	3/25	N/A

Awards and Recognitions

- IEEE Ottawa Section Volunteer of the Year Award at 2017 AGM for our Co-Chairs
- IEEE Ottawa Section Committee of the Year Award at 2017 AGM

List of unique events held, sponsored or organized such as symposia, conferences, educational programs, job fairs, competitions etc.

- Competition day featuring 600 attendees, including 2 politicians (Chandra Arya and Karen McCrimmon)

List of proposed unique events that are to be held next year

- N/A, possible change in venue for competition day.

Senior Membership Committee

Chair: Dr. Sreeraman Rajan

Vice Chair: Dr. Bhashyam Balaji

The Section had 7 members elevated to senior grade from Jan 2018- Sept 2018

Last name	First name
Benlarbi	Saida
Cheben	Pavel
Fattahi	Javad
Gachovska	Tanya
O'Connell	Carmac
Pardasani	Ajit
Shew	Stephen

Strategic Planning (SP) Committee

Chair: Raed Abdullah

There is no report this year.

Teacher in Service Program (TISP) Committee

Chair: Wolfram Lunscher

Total Number of TISP Workshops:

- This Year (2018)___18_____
- Last Year (2017)___8_____

Overview of Basic Entity Activities

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

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CLK Summer Camp July-August 3 meetings – 9 hours total	Workshop	TISP Lesson Plan	IEEE- 3 Total – 45	Ciena Cares, Christie Lake Kids
Dempsey Community Centre Feb. to May 12 Meetings 24 hrs - Total	Workshop	TISP Lesson Plans	IEEE – 3 to 5 Total -15	Ciena Cares, Christie Lake Kids
Bellevue Community Centre 3 Meetings (so far) – 3 hours total	Workshop	TISP & NASA Lesson Plans	IEEE – 2 to 4 Total -8	Ciena Cares, Christie Lake Kids

3 Chapter reports

AESS – Aerospace and Electronics Systems Society

Chair: Vacant

Vice Chair: Vacant

After more than 20 years of service to the Ottawa Section and to IEEE, Hugh Reekie resigned from the position of AESS Ottawa Chapter Chair. Hugh has been an excellent leader and mentor to many volunteers. Section members appreciated the caliber of speakers and distinguished lecturers Hugh and his vice chair Tony Ponsford were able to bring to Ottawa. Tony Ponsford also decided to step down from the position of vice chair. In 2019 efforts will be made to find new chair and vice chairs for this chapter.

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

Chair: Qingsheng Zeng, qingshengzeng03@163.com

Vice-Chair: Leonard Petrie, petrie@rogers.com

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

CI /SMC - Joint Chapter of Computational Intelligence and Systems, Man and Cybernetics Societies

Chair: Dr. Rafael Falcon, SMIEEE

Vice Chair: Dr. Julio Valdes, SMIEEE

Website: <http://ieeeottawa.ca/ci/>

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Total Number of Technical Meetings:

- This Year (2018) _____ 9 _____
- Last Year (2017) _____ 8 _____

Overview of Basic Entity Activities

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, Social, Luncheon, etc.) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
Nov 6, 2017 (9:00 – 9:45 am), Les Suites Hotel, Ottawa	Canadian Tracking and Fusion Group's 2017 Workshop (CTFG 2017)	A New Approach to Innovation for Defence and Security / E. Fournier	18/45	Canadian Tracking and Fusion Group
Nov 6, 2017 (9:45 – 10:30 am), Les Suites Hotel, Ottawa	Canadian Tracking and Fusion Group's 2017 Workshop (CTFG 2017)	Knowledge Requirements for the Design of Distributed Multisensor Multitarget Tracking Systems / Jim Llinas	18/45	Canadian Tracking and Fusion Group
Nov 7, 2017 (9:00 – 9:45 am), Les Suites Hotel, Ottawa	Canadian Tracking and Fusion Group's 2017 Workshop (CTFG 2017)	Analytic Combinatorics in Tracking and Information Fusion / R. Streit	18/45	Canadian Tracking and Fusion Group
Nov 22, 2017 (6:30 – 8:30 pm), Room 5084 School of Electrical Engineering and Computer Science University of Ottawa	Technical Talk	Metaheuristic Optimization in Maritime Disruption Management: Big-Data-Enabled Multi-Objective Modeling of Vessel Scheduling Recovery Problem / Fatemeh Cheraghchi, PhD Candidate, University of Ottawa	6/18	University of Ottawa's Computer Science Graduate Student Association

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Jan 18, 2018 (6:30 – 8:30 pm), Room 5084 School of Electrical Engineering and Computer Science University of Ottawa	Technical Talk	Risk-Aware Decision Support for Critical Infrastructure Protection using Multi-Objective Optimization / Nicolas Primeau, Amazon Inc.	8/25	University of Ottawa's Computer Science Graduate Student Association
Feb 26, 2018 (6:30 – 8:30 pm), Invest Ottawa (7 Bayview Road)	Technical Talk	Machine Learning meets Granular Computing: the emergence of granular models in the Big Data era / Rafael Falcon, Larus Technologies & University of Ottawa	20/105	Ottawa Machine Learning and Artificial Intelligence Meetup Group
April 23, 2018 (6:30 – 8:30 pm), Room 5084 School of Electrical Engineering and Computer Science University of Ottawa	Distinguished Lecturer Technical Talk	Type-2 fuzzy logic systems and their applications / Professor Hani Hagrass, University of Essex, United Kingdom	6/16	University of Ottawa's Computer Science Graduate Student Association CompSoc, RAS and IMS Ottawa Chapters
August 8, 2018 (6:30 – 8:30 pm), Room 5084 School of Electrical Engineering and Computer Science University of Ottawa	Technical Talk	Rough Cognitive Networks / Dr. Gonzalo Napoles, Hasselt Universiteit, Belgium	17/29	University of Ottawa's Computer Science Graduate Student Association

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Sep 24, 2018 (6:30 – 8:30 pm), Invest Ottawa (7 Bayview Road)	Distinguished Lecturer Technical Talk	Autonomous Learning for Autonomous Systems / Professor Plamen Angelov, Lancaster University, United Kingdom	35/113	Ottawa Machine Learning and Artificial Intelligence Meetup Group CompSoc Ottawa chapter
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List of unique events held, sponsored or organized such as symposia, conferences, educational programs, job fairs, competitions etc.

- The Chapter is a proud sponsor of the Sixth Canadian Tracking and Fusion Group Workshop (CTFG Workshop 2018) which will be held in Ottawa on October 15-16, 2018
- (<http://www.ctfg.ca/workshop2018>). The Chapter also held 2 DL talks (both from CIS).

List of proposed unique events that are to be held next year

- The Chapter is planning on holding 8-10 technical talks next year, two of which will be DLs.

CS – Computer Society

Chair: Eric Karmouch, ekarmouch@ieee.org

Vice chair: Matham Sabbagh, maytham.sabbagh@ieee.org

This Chapter is part of the IEEE Ottawa Section and constitutes the Ottawa, Ontario, Canada representation of the IEEE Computer Society.

Website: <http://sites.ieee.org/ottawa-cs/>, <http://ewh.ieee.org/r7/ottawa/lunchandlearn/>

Total Number of Technical Meetings:

- This Year (2018) _____ 7 _____
- Last Year (2017) _____ 10 _____

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Overview of Basic Entity Activities

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, Social, Luncheon, etc.) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
2 Oct 2018	IEEE Ottawa L&L	An IP Strategy for Canada and Your Company / Jeff Leuschner Patent Agent, Smart & Biggar	IEEE Attended: 20 Guests Attended: 63 Total Attended: 83	CESoc, and BTS Joint Chapter, IEEE Ottawa Alliance of IEEE Consultant Network, IEEE Ottawa TMC, PCS, and SSIT Joint Chapter Robotics Centre (https://robotics-centre.com) Kanata North BIA (https://www.kanatanorthbia.ca/) Invest Ottawa (https://www.investottawa.ca/) Smart & Biggar (http://www.smart-biggar.ca/en/index.cfm) Carleton University, Faculty of Engineering and Design (http://carleton.ca/engineering-design/) The Marshes Golf Club (http://www.marshesgolfclub.com/index.php) Infinera (https://www.infinera.com/) Syntronic (https://www.syntronic.com/)

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4 Sep 2018	IEEE Ottawa L&L	Women in Engineering and Diversity / Sandro Perruzza CEO, Ontario Society of Professional Engineers (OSPE)	IEEE Attended: 16 Guests Attended: 63 Total Attended: 79	CESoc, and BTS Joint Chapter, IEEE Ottawa Alliance of IEEE Consultant Network, IEEE Ottawa TMC, PCS, and SSIT Joint Chapter Robotics Centre (https://robotics-centre.com) Kanata North BIA (https://www.kanatanorthbia.ca/) Invest Ottawa (https://www.investottawa.ca/) Smart & Biggar (http://www.smart-biggarr.ca/en/index.cfm) Carleton University, Faculty of Engineering and Design (http://carleton.ca/engineering-design/) The Marshes Golf Club (http://www.marshesgolfclub.com/index.php) Infinera (https://www.infinera.com/) Syntronic (https://www.syntronic.com/)
5 Jun 2018	IEEE Ottawa L&L	Canadian Telecoms and the Appearance of Choice: Are monopolies and government interference stifling innovation and growth in Canada? /	IEEE Attended: 22 Guests Attended: 72 Total Attended: 94	CESoc, and BTS Joint Chapter, IEEE Ottawa Alliance of IEEE Consultant Network, IEEE Ottawa TMC, PCS, and SSIT Joint Chapter Robotics Centre (https://robotics-centre.com) Kanata North BIA (https://www.kanatanorthbia.ca/) Invest Ottawa (https://www.investottawa.ca/) Smart & Biggar (http://www.smart-biggarr.ca/en/index.cfm)

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		Michael Lalonde Partner - Senior Solutions Manager, PureColo Inc.		Carleton University, Faculty of Engineering and Design (http://carleton.ca/engineering-design/) The Marshes Golf Club (http://www.marshesgolfclub.com/index.php) Infinera (https://www.infinera.com/) Syntronic (https://www.syntronic.com/)
8 May 2018	IEEE Ottawa L&L	Navigating the Wireless IoT Implementation Waters / Don Hawkins RF Hardware Engineering Manager, Syntronic	IEEE Attended: 36 Guests Attended: 85 Total Attended: 121	CESoc, and BTS Joint Chapter, IEEE Ottawa Alliance of IEEE Consultant Network, IEEE Ottawa TMC, PCS, and SSIT Joint Chapter Robotics Centre (https://robotics-centre.com) Kanata North BIA (https://www.kanatanorthbia.ca/) Invest Ottawa (https://www.investottawa.ca/) Smart & Biggar (http://www.smart-biggar.ca/en/index.cfm) Carleton University, Faculty of Engineering and Design (http://carleton.ca/engineering-design/) The Marshes Golf Club (http://www.marshesgolfclub.com/index.php) Infinera (https://www.infinera.com/) Syntronic (https://www.syntronic.com/)
3 Apr 2018	IEEE Ottawa L&L	State of the Art in Today's Fiber Optic Transmission /	IEEE Attended: 23	CESoc, and BTS Joint Chapter, IEEE Ottawa Alliance of IEEE Consultant Network, IEEE Ottawa TMC, PCS, and SSIT Joint Chapter

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		Henry (Han) Sun Distinguished Engineer, Infinera	Guests Attended: 68 Total Attended: 91	Robotics Centre (https://robotics-centre.com) Kanata North BIA (https://www.kanatanorthbia.ca/) Invest Ottawa (https://www.investottawa.ca/) Smart & Biggar (http://www.smart-biggart.ca/en/index.cfm) Carleton University, Faculty of Engineering and Design (http://carleton.ca/engineering-design/) The Marshes Golf Club (http://www.marshesgolfclub.com/index.php) Infinera (https://www.infinera.com/) Syntronic (https://www.syntronic.com/)
6 Mar 2018	IEEE Ottawa L&L	Kick-Starting Test Automation / Chris Huddleston, P.Eng Test Automation Manager, General Dynamics Mission Systems-Canada	IEEE Attended: 28 Guests Attended: 114 Total Attended: 142	CESoc, and BTS Joint Chapter, IEEE Ottawa Alliance of IEEE Consultant Network, IEEE Ottawa TMC, PCS, and SSIT Joint Chapter Robotics Centre (https://robotics-centre.com) Kanata North BIA (https://www.kanatanorthbia.ca/) Invest Ottawa (https://www.investottawa.ca/) Smart & Biggar (http://www.smart-biggart.ca/en/index.cfm) Carleton University, Faculty of Engineering and Design (http://carleton.ca/engineering-design/)

IEEE Ottawa Section Report to the Annual General Meeting 2018

				The Marshes Golf Club (http://www.marshesgolfclub.com/index.php) Infinera (https://www.infinera.com/) Syntronic (https://www.syntronic.com/)
6 Feb 2018	IEEE Ottawa L&L	IBIONICS - Doing for Blind People What Cochlear is Doing for the Deaf / Suzanne Grant, BSc, CD Co-founder and CEO, iBIONICS	IEEE Attended: 27 Guests Attended: 108 Total Attended: 135	CESoc, and BTS Joint Chapter, IEEE Ottawa Alliance of IEEE Consultant Network, IEEE Ottawa TMC, PCS, and SSIT Joint Chapter Robotics Centre (https://robotics-centre.com) Kanata North BIA (https://www.kanatanorthbia.ca/) Invest Ottawa (https://www.investottawa.ca/) Smart & Biggar (http://www.smart-biggarr.ca/en/index.cfm) Carleton University, Faculty of Engineering and Design (http://carleton.ca/engineering-design/) The Marshes Golf Club (http://www.marshesgolfclub.com/index.php) Infinera (https://www.infinera.com/) Syntronic (https://www.syntronic.com/)

List of unique events held, sponsored or organized such as symposia, conferences, educational programs, job fairs, competitions etc.

- IEEE Ottawa Lunch and Learn is an initiative to bridge the gap and derive synergy between Ottawa industry, academia, and government. The initiative, on a monthly basis, brings a speaker from either industry, academia, or government to the heart of the Kanata Tech Hub.

List of proposed unique events that are to be held next year

- Continuation of IEEE Ottawa Lunch and Learn

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

Chair: Wahab Almuhtadi

Vice-Chair: Claude Brule, brulec@algonquincollege.com

Secretary: Raed Abdullah, RaedAbdullah@ieee.org

Membership Development: Tony Khoury, tkhoury@ieee.org

Total Number of Technical Meetings

This Year	Last Year
19	16

Joint Chapter Participating Societies

Participating Society
Communications Society (ComSoc)
Consumer Electronics Society (CESoc)
Broadcast Technology Society (BTS)

IEEE Ottawa Section Report to the Annual General Meeting 2018

Overview of Basic Entity Activities

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, Social, Luncheon, etc.) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
Oct 11 th 2018 11:00-12:00 / NRC, Ottawa	Tech Meeting	"Improve Measurement Accuracy on Switching Characteristics of SiC and GaN devices" / Evan Shuster, Testforce Systems	10/25	IEEE Ottawa Section, RS/PELS, PES, ComSoc/CESoc/BTS, Educational Activities and Algonquin College IEEE Student Branch
Oct 10 th 2018 11:00-12:00 / NRC, Ottawa	Tech Meeting	"Power System Harmonics of Modern Nonlinear Loads" / Dr. Alexandre Nassif, ATCO	3/16	IEEE Ottawa Section, PES, RS/PELS, ComSoc/CESoc/BTS, EA and Algonquin College IEEE Student Branch
Oct 9 th 2018 18:00-19:30 / Algonquin College, Room T129	Tech Meeting	"Power System Harmonics of Modern Nonlinear Loads" / Dr. Alexandre Nassif, ATCO	11/16	IEEE Ottawa Section PES, RS/PELS, & ComSoc/CESoc/BTS Chapters, Educational Activities and Algonquin College IEEE Student Branch
Sep 21 st 2018 14:30-15:30 Carleton University	Seminar	"Medical Device Test Strategies"/ J. Max Cortner, IEEE IMS President, USA	18/25	IEEE Ottawa Section IMS, EMBS, ComSoc/ CESoc/BTS, RS/PELS, and PES Chapters, Educational Activities and IEEE Algonquin College Student Branch, Ottawa Carleton Institute for Biomedical Engineering
Sep 21 th 2018 11:00-12:00 / NRC, Ottawa	Tech Meeting	"Medical Device Instrumentation Needs and Test Strategies"/ J. Max	4/22	IEEE Ottawa Section IMS, EMBS, ComSoc/ CESoc/BTS, RS/PELS, and PES Chapters, Educational

IEEE Ottawa Section Report to the Annual General Meeting 2018

		Cortner, IEEE IMS President, USA		Activities and IEEE Algonquin College Student Branch
Sep 20 th 2018 18:00-19:30 / Algonquin College, Room T129	Tech Meeting	"Medical Device Test Strategies"/ J. Max Cortner, IEEE IMS President, USA	6/8	IEEE Ottawa Section IMS, EMBS, ComSoc/ CESoc/BTS, RS/PELS, and PES Chapters, Educational Activities and Algonquin College IEEE Student Branch
Aug. 13 th 2018 18:00-19:30 / Algonquin College, Room T129	Tech Meeting	"Convergence between Broadcast and Mobile Broadband"/ Dr. Ulrich Reimers, IEEE CESoc DL, Prof. Institut fuer Nachrichtentechnik (IfN), Technische Universitaet Braunschweig, Germany	6/8	IEEE Ottawa Section ComSoc/ CESoc/BTS, RS/PELS, and PES Chapters, Educational Activities and Algonquin College IEEE Student Branch
May 24 th 2018 18:00-19:30 / Algonquin College, Room T129	Tech Meeting	"A Microinverter Based, Self Forming Nanogrid for ON and OFF Grid Applications"/ Edward Keyes, Solantro Semiconductor Corp.	6/8	IEEE Ottawa Section RS/PELS, PES, and ComSoc/ CESoc/BTS Chapters, Educational Activities and IEEE Algonquin College Student Branch
May 9 th 2018 18:00-19:30 / Algonquin College, Room T129	Tech Meeting	Talk 1: "Machine Learning in Digital Medicine", Talk 2: "Cellular and Device-to-Device Networks Coexistence"/ Prof. Giorgio Quer, Sr. Research Scientist and Director of AI, Scripps Research	6/8	IEEE Ottawa Section ComSoc/ CESoc/BTS, RS/PELS, and PES Chapters, and Educational Activities and IEEE Algonquin College Student Branch

IEEE Ottawa Section Report to the Annual General Meeting 2018

		Institute in San Diego, California, USA		
May 7 th 2018 18:00-19:30 / Algonquin College, Room T129	Tech Meeting	"Navigating the Wireless IoT Implementation Waters"/ Don Hawkins, RF Hardware Engineering Manager, Syntronic	6/8	IEEE Ottawa Section ComSoc/ CESoc/BTS, RS/PELS, and PES Chapters, and Educational Activities and IEEE Algonquin College Student Branch
May 2 th 2018 18:00-19:30 / Algonquin College, Room T129	Tech Meeting	"Advances and Challenges in 5G Wireless Security"/ Prof. Yi Qian, Dept. of ECE, University of Nebraska-Lincoln, USA	6/8	IEEE Ottawa Section ComSoc/ CESoc/BTS, RS/PELS, and PES Chapters, and Educational Activities and IEEE Algonquin College Student Branch
Apr. 26 th 2018 18:00-20:00 / Algonquin College, Room T129	Tech Meeting	"FPGA-based Hardware-in-the-Loop Testing for Smart Grid and Electric Motor Drive Applications"/ Sébastien Cense and François Berthelot, OPAL-RT Technologies	6/16	IEEE Ottawa Section RS/PELS, PES, and ComSoc/ CESoc/BTS Chapters, Educational Activities and IEEE Algonquin College Student Branch
Apr. 2 nd 2018 18:00-20:00 / The Marshes Golf Club, 320 Terry Fox Drive, 320 Terry Fox Drive, Kanata	Tech Meeting	"State of the Art in Today's Fiber Optic Transmission"/ Henry (Han) Sun, Distinguished Engineer, Infinera	6/16	IEEE Ottawa Section RS/PELS, PES, and ComSoc/ CESoc/BTS Chapters, Educational Activities and IEEE Algonquin College Student Branch
Mar. 5 th 2018	Tech Meeting	"Kick-Starting Test Automation"/ Chris	6/16	IEEE Ottawa Section RS/PELS, PES, and ComSoc/ CESoc/BTS Chapters,

IEEE Ottawa Section Report to the Annual General Meeting

2018

18:00-20:00 / The Marshes Golf Club, 320 Terry Fox Drive, Kanata		Huddleston, P.Eng., Test Automation Manager, General Dynamics Mission Systems-Canada		Educational Activities and IEEE Algonquin College Student Branch
Feb. 15 th 2018 18:00-20:00 / Algonquin College, Room T129	Tech Meeting	"Self-Fulfilling Prophecy in Smart Green Communities – A Game Theory Approach in Transactional Demand"/ Dr. Javad Fattahi, University of Ottawa SAGE Lab	6/16	IEEE Ottawa Section RS/PELS, PES, and ComSoc/ CESoc/BTS Chapters, Educational Activities and IEEE Algonquin College Student Branch
Dec. 7 th 2017 18:00-20:00 / Algonquin College, Room T129	Tech Meeting	"Solar Energy and the Northern Weather"/ Doug Houseman, Burns & McDonnell, USA	20/40	IEEE Ottawa Section PES, IMS, RS/PELS, and ComSoc/ CESoc/BTS Chapters, Educational Activities and IEEE Algonquin College Student Branch
Dec. 7 th 2017 16:00-17:00 / Hydro Ottawa, Ottawa	Tech Meeting	"Improving Internal Standards to Improve the Utility of the Distribution Grid"/ Doug Houseman, Burns & McDonnell, USA	6/10	IEEE Ottawa Section PES, IMS, RS/PELS, and ComSoc/ CESoc/BTS Chapters, Educational Activities and IEEE Algonquin College Student Branch
Dec. 7 th 2017 11:00-12:00 / NRC, Ottawa	Tech Meeting	"IEEE Grid Vision 2050 and Getting Underground Measurements Right"/ Doug Houseman, Burns & McDonnell, USA	5/23	IEEE Ottawa Section PES, IMS, RS/PELS, and ComSoc/ CESoc/BTS Chapters, Educational Activities and IEEE Algonquin College Student Branch

IEEE Ottawa Section Report to the Annual General Meeting | 2018

CPMT - Components, Packaging and Manufacturing Technology Society

Chair: Qijun Zhang, qijun.zhang@carleton.ca

Total Number of Technical Meetings:

- This Year (2018) _____ 2 _____
- Last Year (2017) _____ 1 _____

Overview of Basic Entity Activities

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, Social, Luncheon, etc.) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
5:00-7:00pm, Wednesday October 11, 2017	Technical Meeting	"The myth about GROUND" by Dr. Zhiping Yang, Google Inc. , Mountain View, California	15/22	EMC, MTT/AP
5:00-7:00pm, Wednesday May 16, 2018	Technical Meeting, Distinguished Lecture Presentation	"Shielded Enclosure Metrics", by Prof. Andy Marvin, University of York, UK	5/12	EMC, MTT/AP
5:00-7:00pm, Tuesday April 17, 2018	Technical Meeting	"Fundamentals and Advances in Power Integrity Modeling and Analysis" by Dr. Ihsan Erdin, Celestica, Ottawa	5/12	EMC, MTT/AP

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

Chair: Refat Ghunem, Refat.Ghunem@nrc-cnrc.gc.ca

Total Number of Technical Meetings:

- This Year (2018): 1
- Last Year (2017): 2

Overview of Basic Entity Activities

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, Social, Luncheon, etc.) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
March 2 nd , 2018	Seminar/Tech Meeting, Erosion of Silica Filled Silicone Rubber for HVDC Outdoor Insulation Applications	Daouda Kone	4	N/A
October 9 th , 2018	Seminar/Assessing the power transformer insulation health condition using a feature-reduced predictor model	Al Haytham Al Qudsi	14	4

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

Address: 5170 ME, Dept. of Electronics, 1125 Colonel By Drive, Ottawa – K1S5B6

Phone: 613-520-5651, Fax: 613-520-5708, Website: http://www.ieeeottawa.ca/eds_cas_sscs/

Joint Chapter Participating Societies

Participating Society
Circuits and Systems Society
Solid State Circuits Society
Electronic Devices Society

Total Number of Technical Meetings

This Year	Last Year
1	6

Overview of Basic Entity Activities

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, Social, Luncheon, etc.) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
21 sept 2018 Carleton University 3:30pm – 4:30pm	EDS Distinguished Lecture	Dr. Brajesh Kaushik	15	

List of proposed unique events that are to be held next year

- HPCPS 2019 – International workshop on emerging high-speed low-power designs

EMC - Electromagnetic Compatibility Society

Chair: Syed Bokhari, bokhari@ieee.org

Vice-Chair: Qiubo Ye, qiubo.ye.1997@ieee.org

IEEE Ottawa Section Report to the Annual General Meeting 2018

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

Total Number of Technical Meetings:

- This Year (2018) 2
- Last Year (2017) 3

Overview of Basic Entity Activities

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, Social, Luncheon, etc.) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
Date : Tuesday April 17, 2018 Time : 5:00 PM to 7:00 PM Location : FIDUS SYSTEMS Inc., 375 Terry Fox Dr. Ottawa, ON, K2K 0J8	DL Presentation	Dr. Ihsan Erdin, Celestica, Ottawa	12/16	AP/MTT chapter and CPMT chapter
Date: Wednesday May 16, 2018 Time: 5:00 PM to 7:00 PM Location: FIDUS SYSTEMS Inc., 375 Terry Fox Dr. Ottawa, ON, K2K 0J8	DL Presentation	Prof. Andy Marvin, University of York, UK	10/14	AP/MTT chapter and CPMT chapter

EMBS - Engineering in Medicine and Biology Society

Name of the Chair: Dr. Sreeraman Rajan, sreeraman@ieee.org

Name of the Vice Chair: Vacant

Name of the Secretary: Dr. Yuu Ono, yuuono@sce.carleton.ca

Website: www.ieeeotawa.ca/embs

Total Number of Technical Meetings:

This Year (2018): 7 (AGM2017-AGM2018)

Last Year (2017): 17 (AGM2016-AGM2017)

Overview of Basic Entity Activities

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, Social, Luncheon, etc.) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
Oct 12, 2017	Tech meeting	Searching for 'hidden' patterns in medical images, Dr. Rebecca Thornhill	2/28	No
Oct19, 2017	Tech Meeting	The University Laboratory as a Medical Device Incubator - Successes, Caveats and Pitfalls, Dr. Robert Hitchcock	3/30	No
Nov 3, 2017	Tech Meeting	New Frontiers in Cardiac Arrhythmia Research: The Emergent Power of Computational Modelling, Dr. Patrick Boyle	3/15	No
Nov 16, 2017	Tech Meeting	Hard and Soft Electronic Health Record Data - Tackling the Data	10/14	No

IEEE Ottawa Section Report to the Annual General Meeting

2018

		Fusion Problem, Dr. Joseph Beals		
Nov 23, 2017	Tech Meeting	Biologically-Inspired Visual Attention Models for Improved Sensing and Modeling, Dr. Ana-Maria Cretu	6/6	No
April 5, 2018	Tech Meeting	Reciprocal Perspective for Protein Interaction Prediction and Related Complete Graph Problems, Mr. Kevin Dick	8/15	No
Sept 20, 2018	Tech Meeting	Medical Device Test Strategies, Dr. Max Cortner	6/6	Yes. IEEE Ottawa Section, IEEE Instrumentation & Measurement Society (IMS) Chapter, Communications Society, Consumer Electronics Society, and Broadcast Technology Society Joint Chapter (ComSoc/CESoc/BTS), Reliability Society and Power Electronics Society (RS/PELS) Joint Chapter, Power and Energy Society (PES) Chapter, IEEE Ottawa Educational Activities (EA) and Algonquin College IEEE Student Branch
Sept 21, 2018	Tech Meeting	Medical Device Instrumentation Needs and Test	6/25	No

IEEE Ottawa Section Report to the Annual General Meeting 2018

		Strategies, Dr. Max Cortner		
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List of unique events held, sponsored or organized such as symposia, conferences, educational programs, job fairs, competitions etc.

- Enrichment Mini Course Program for school children: CU@EMBS Student club took a major role in this event and ran the Biomedical portion of the event.

List of proposed unique events that are to be held next year

- Will hold Enrichment Mini Course Program.
- Will be part of CEMBS 2019 which will be held in Ottawa

IMS - Instrumentation and Measurement Society

Chair: Voicu Groza, vgroza@uottawa.ca

Vice-Chair: Branislav Djokic, branislav@ieee.org

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

Total Number of Technical Meetings:

- This Year (2018) _____ 9 _____
- Last Year (2017) _____ 4 _____

Overview of Basic Entity Activities

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, Social, Luncheon, etc.) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
Oct 10 th 2018	Tech Meeting	"Power System Harmonics of Modern Nonlinear Loads" /	3/16	IEEE Ottawa Section, PES, RS/PELS, ComSoc/CESoc/BTS, EA and

IEEE Ottawa Section Report to the Annual General Meeting 2018

11:00-12:00 / NRC, Ottawa		Dr. Alexandre Nassif, AB		Algonquin College IEEE Student Branch
Oct 9 th 2018 18:00-19:30 / Algonquin College, Room T129	Tech Meeting	"Power System Harmonics of Modern Nonlinear Loads" / Dr. Alexandre Nassif, AB	11/16	IEEE Ottawa Section, PES, RS/PELS, ComSoc/CESoc/BTS, EA and Algonquin College IEEE Student Branch
Sep 21 st 2018 14:30-15:30 Carleton University	Seminar	"Medical Device Test Strategies" / J. Max Cortner, USA	18/25	Ottawa Carleton Institute for Biomedical Engineering
Sep 21 th 2018 11:00-12:00 / NRC, Ottawa	Tech Meeting	"Medical Device Instrumentation Needs and Test Strategies" / J. Max Cortner, USA	4/22	IEEE Ottawa Section, EMBS, ComSoc/ CESoc/BTS, RS/PELS, PES, IEEE Ottawa Educational Activities (EA) and Algonquin College IEEE Student Branch
Sep 20 th 2018 18:00-19:30 / Algonquin College, Room T129	Tech Meeting	"Medical Device Test Strategies" / J. Max Cortner, USA	6/8	IEEE Ottawa Section, EMBS, ComSoc/ CESoc/BTS, RS/PELS, PES, IEEE Ottawa Educational Activities (EA) and Algonquin College IEEE Student Branch
Apr 23 rd 2018, University of Ottawa, SITE5084	DL Technical Talk:	"Type-2 fuzzy logic systems and their applications" / Prof. Hani Hagra, S, University of Essex, UK	6/16	CH07105 - Ottawa Section, CIS11/SMC28, IEEE Ottawa Section's CompSoc and RAS Chapters, University of Ottawa's Computer Science Graduate Student Association
Dec. 7 th 2017 18:00-20:00 / Algonquin College, Room T129	Tech Meeting	"Solar Energy and the Northern Weather" / Doug Houseman, Burns & McDonnell, USA	20/40	IEEE Ottawa Section PES, IMS, RS/PELS, and ComSoc/ CESoc/BTS Chapters, Educational Activities and IEEE Algonquin College Student Branch
Dec. 7 th 2017	Tech Meeting	"Improving Internal Standards to Improve	6/10	IEEE Ottawa Section PES, IMS, RS/PELS, and ComSoc/ CESoc/BTS

IEEE Ottawa Section Report to the Annual General Meeting 2018

16:00-17:00 / Hydro Ottawa, Ottawa		the Utility of the Distribution Grid"/ Doug Houseman, Burns & McDonnell, USA		Chapters, Educational Activities and IEEE Algonquin College Student Branch
Dec. 7 th 2017 11:00-12:00 / NRC, Ottawa	Tech Meeting	"IEEE Grid Vision 2050 and Getting Underground Measurements Right"/ Doug Houseman, Burns & McDonnell, USA	5/23	IEEE Ottawa Section PES, IMS, RS/PELS, and ComSoc/ CESoc/BTS Chapters, Educational Activities and IEEE Algonquin College Student Branch

PHO – Photonics Society

Chair: Jianping Yao, jpyao@uottawa.ca

Vice Chair: Winnie Ye, winnie.ye@carleton.ca

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

Total Number of Technical Meetings:

- This Year (2018) _____ 4 _____
- Last Year (2017) _____ 3 _____

Overview of Basic Entity Activities

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, Social, Luncheon, etc.) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
05/02/2017, Carleton University	Distinguished Lecturer, IEEE Photonics Society	Photonics for Point of Care Diagnostics	30	Carleton University, IEEE

IEEE Ottawa Section Report to the Annual General Meeting **2018**

				Ottawa Photonics Chapter
10/25/2017, University of Ottawa	Seminar	Nano Electronics in “Beyond Moore’s Law” era	35	IEEE Ottawa Photonics Chapter
06/07/2017 Photonics North 2017 Ottawa Shaw Center	Women in Photonics Panel	WOMEN IN PHOTONICS	75	IEEE Ottawa Photonics Chapter, IEEE Ottawa WIE Chapter
April 6, 2018, University of Ottawa	IEEE Photonics Society Distinguished Lecture	Multicore Fiber Technology for Space Division Multiplexing	40	IEEE Ottawa Photonics Chapter, MTT/AP
June 15, 2018, 359 Terry Fox Drive, Suite 200, Kanata, Ontario	IEEE Photonics Society Distinguished Lecture	SPAD Image Sensing: Past, Present, and Future	30	IEEE Ottawa Photonics Chapter, MTT/AP
February 9, 2017, University of Ottawa	IEEE Photonics Society Distinguished Lecture	Integrated Quantum Frequency Combs	40	IEEE Ottawa Photonics Chapter, MTT/AP

IEEE Ottawa Section Report to the Annual General Meeting

2018

September 12, 2018, Carleton University	IEEE Women in Engineering	Programmable Photonics: are we ready for optical FPGAs?	40	IEEE Photonics Society Ottawa Chapter, IEEE Women in Engineering (WIE) Ottawa Chapter
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Awards and Recognitions

- List awards and recognitions here

2018 R.A. Fessenden Award, Jianping Yao,

List of unique events held, sponsored or organized such as symposia, conferences, educational programs, job fairs, competitions etc.

- List unique events here

Sponsored Photonics North 2018

List of proposed unique events that are to be held next year

- List proposed unique events here
 - 1) Sponsor 2019 Photonics North and**
 - 2) 2019 IEEE International Topical Meeting on Microwave Photonics**

PES - Power and Energy Society

Chair: Branislav Djokic, branislav@ieee.org

Vice Chair: Raed Abdullah , raedabdullah@ieee.org

Secretary: Carl Kropp, KROPPCARL@aol.com

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

Total Number of Technical Meetings:

IEEE Ottawa Section Report to the Annual General Meeting 2018

- This Year (2018) _____ 9 _____
- Last Year (2017) _____ 8 _____

Overview of Basic Entity Activities

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, Social, Luncheon, etc.) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
Oct 11 th 2018 11:00-12:00 / NRC, Ottawa	Tech Meeting	"Improve Measurement Accuracy on Switching Characteristics of SiC and GaN devices" / Evan Shuster, Testforce Systems	10/25	IEEE Ottawa Section, RS/PELS, PES, ComSoc/CESoc/BTS, Educational Activities and Algonquin College IEEE Student Branch
Oct 10 th 2018 11:00-12:00 / NRC, Ottawa	Tech Meeting	"Power System Harmonics of Modern Nonlinear Loads" / Dr. Alexandre Nassif, ATCO	3/16	IEEE Ottawa Section, PES, RS/PELS, ComSoc/CESoc/BTS, EA and Algonquin College IEEE Student Branch
Oct 9 th 2018 18:00-19:30 / Algonquin College, Room T129	Tech Meeting	"Power System Harmonics of Modern Nonlinear Loads" / Dr. Alexandre Nassif, ATCO	11/16	IEEE Ottawa Section PES, RS/PELS, & ComSoc/CESoc/BTS Chapters, Educational Activities and Algonquin College IEEE Student Branch
May 24 th 2018 18:00-19:30 / Algonquin College, Room T129	Tech Meeting	"A Microinverter Based, Self Forming Nanogrid for ON and OFF Grid Applications" / Edward Keyes,	6/8	IEEE Ottawa Section RS/PELS, PES, and ComSoc/ CESoc/BTS Chapters, Educational Activities and IEEE Algonquin College Student Branch

IEEE Ottawa Section Report to the Annual General Meeting

2018

		Solantro Semiconductor Corp.		
Apr. 26 th 2018 18:00-20:00 / Algonquin College, Room T129	Tech Meeting	"FPGA-based Hardware-in-the-Loop Testing for Smart Grid and Electric Motor Drive Applications"/ Sébastien Cense and François Berthelot, OPAL-RT Technologies	6/16	IEEE Ottawa Section RS/PELS, PES, and ComSoc/ CESoc/BTS Chapters, Educational Activities and IEEE Algonquin College Student Branch
Feb. 15 th 2018 18:00-20:00 / Algonquin College, Room T129	Tech Meeting	"Self-Fulfilling Prophecy in Smart Green Communities – A Game Theory Approach in Transactional Demand"/ Dr. Javad Fattahi, University of Ottawa SAGE Lab	6/16	IEEE Ottawa Section RS/PELS, PES, and ComSoc/ CESoc/BTS Chapters, Educational Activities and IEEE Algonquin College Student Branch
Dec. 7 th 2017 18:00-20:00 / Algonquin College, Room T129	Tech Meeting	"Solar Energy and the Northern Weather"/ Doug Houseman, Burns & McDonnell, USA	20/40	IEEE Ottawa Section PES, IMS, RS/PELS, and ComSoc/ CESoc/BTS Chapters, Educational Activities and IEEE Algonquin College Student Branch
Dec. 7 th 2017 16:00-17:00 / Hydro Ottawa, Ottawa	Tech Meeting	"Improving Internal Standards to Improve the Utility of the Distribution Grid"/ Doug Houseman, Burns & McDonnell, USA	6/10	IEEE Ottawa Section PES, IMS, RS/PELS, and ComSoc/ CESoc/BTS Chapters, Educational Activities and IEEE Algonquin College Student Branch
Dec. 7 th 2017	Tech Meeting	"IEEE Grid Vision 2050 and Getting Underground	5/23	IEEE Ottawa Section PES, IMS, RS/PELS, and ComSoc/ CESoc/BTS Chapters, Educational Activities

IEEE Ottawa Section Report to the Annual General Meeting **2018**

11:00-12:00 / NRC, Ottawa		Measurements Right"/ Doug Houseman, Burns & McDonnell, USA		and IEEE Algonquin College Student Branch
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RAS/CSS - Joint Chapter of Robotics & Automation, and Control Systems Societies

Chair: Jurek Sasiadek, jurek.sasiadek@carleton.ca

Vice Chair: Marek Zaremba

Joint Chapter Participating Societies

Participating Society
RAS
CSS

Total Number of Technical Meetings

This Year (2018)	Last Year (2017)
4	5

Overview of Basic Entity Activities

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

IEEE Ottawa Section Report to the Annual General Meeting 2018

• Date: 09 November 2018 • Time: 02:00 PM to 04:00 PM	Technical	"Fractional order flight controller for quadcopter subjected to ground effect"		
• Date: 08 June 2018 • Time: 12:30 PM to 02:34 PM	Technical	"Force Control of Surgical robot with time varying delays"		
Date :22 May 2018 Time: 02:41 PM End Time: 22 May 2018 04:41 PM	Technical	"Unmanned aerial vehicle control using vision systems"		
Date: 16 April 2018 Time: 12:22 PM End Time: 16 April 2018 02:22 PM	Technical	"Type-2 fuzzy logic systems and their applications"		

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

Chair: Raed Abdullah (raedabdullah@ieee.org) and Tanya Gacjhovska (tgachovska@yahoo.com)

Secretary: Rachel Belcher

Total Number of Technical Meetings:

- This Year (2018) 3
- Last Year (2017) 3

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, Social, Luncheon,	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
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IEEE Ottawa Section Report to the Annual General Meeting

2018

	etc.) and Brief Description			
November 9th 2017	Technical Meeting	Technology, Applications, and Customer uses of GaN Systems Gallium Nitride Power Transistors (Edward MacRobbie)	45	RS-PEL, PES, Education Activities, and Algonquin College IEEE Student Branch
February 15 th 2018	Technical Meeting	Self-Fulfilling Prophecy in Smart Green Communities; A Game Theory Approach in Transactional Demand (Dr. Javad Fattahi)	21	PELS, RS-PEL, PES, Education Activities, and Algonquin College IEEE Student Branch
April 26th 2018	Technical Meeting	FPGA-based Hardware-in-the-Loop Testing for Smart Grid and Electric Motor Drive Applications (Sébastien Cense and François Berthelot)	10	RS-PEL, PES, Education Activities and Algonquin College IEEE Student Branch, ComSoc, CESoc, and BTS Ottawa Joint Chapter
May 24th 2018	Technical Meeting	A Microinverter Based, Self Forming Nanogrid for ON and OFF Grid Applications; Edward Keyes	23	RS-PEL, PES, Education Activities and Algonquin College IEEE, Student Branch, ComSoc, CESoc, and BTS Ottawa Joint Chapter
December 07th 2017	Technical Meeting	SOLAR ENERGY AND THE NORTHERN WEATHER CYCLE		PES, IMS, RS/PELS, ComSoc/CESoc/BTS, and IEEE Ottawa Educational Activities (EA
11 October 2018	Technical Meeting	Improve Measurement		PES, Education Activities and

IEEE Ottawa Section Report to the Annual General Meeting 2018

		Accuracy on Switching Characteristics of SiC and GaN devices		Algonquin College IEEE Student Branch, ComSoc, CESoc, and BTS Ottawa Joint Chapter
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SP/OE/GRS - Joint Chapter of Signal Processing, Oceanic Engineering, and Geoscience and Remote Sensing

Name of the Chair: Yifeng Zhou, yifeng.zhou@outlook.com

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

Total Number of Technical Meetings

This Year (2018) _____ 2 _____

Last Year (2017) _____ 2 _____

Overview of Basic Entity Activities

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, Social, Luncheon, etc.) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
04 October 2018, 3701 Carling Avenue Box 11490, Station H Ottawa, Ontario Canada K2H 8S2 Building: 2A Room Number: 100	Tech Meeting	Exploring Regulatory Rules and Policies for Spectrum Assignment in LMR Bands by Yifeng Zhou	20/40	No
15-16 October 2018, Les Suites Hotel, Ottawa (Canada), CTFG Workshop 2018	Workshop	The Eighth Canadian Tracking and Fusion Group (CTFG) Workshop "Foundational, Technological, and Application-	TBA	Yes

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		Focused Innovations in Tracking, Data, Information, and Knowledge Fusion"		
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TM/PCS/SSIT - Joint Chapter of the Technical Management Council, Professional Communications Society, and Society on Social Implications of Technology

Chair: Vacant

Vice Chair: Vacant

VTS - Vehicular Technology Society

Chair: Richard Yu, Richard.yu@carleton.ca

Total Number of Technical Meetings:

This Year	Last Year
3	3

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, Social, Luncheon, etc.) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
Sept. 6, 2017, Carleton U.	DL, Prof. Marco Di Renzo, Paris-Saclay University/ CNRS, France	On System-Level Analysis & Design of Cellular Networks: The Magic of Stochastic Geometry	15/26	

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May 2, 2018, Carleton U.	DL, Prof. Yi Qian, University of Nebraska–Lincoln	Security in 5G Systems	18/23	
June 11, 2018, Carleton U.	DL, Prof. Geoffrey Li, Georgia Institute of Technology	Resource Allocation in Vehicular Communications	14/25	
Aug. 16, 2018, Carleton U.	Seminar, Dr. Yiyuan Wu, Communications Research Canada	NOMA in 5G Systems	10/17	

4 Affinity Reports

AICN - Alliance of IEEE Consultant Network

Chair: Bhagvat Joshi, bjoshi@ieee.org

Vice Chair: Mike Bourassa, michael.bourassa@ieee.org

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

Total Number of Technical Meetings

This Year (2018)	Last Year (2017)
1	1

Overview of Basic Entity Activities

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, Social, Luncheon, etc.) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
25 Jan 2018	Tech Meeting	Frank Rayal - Transformative Power of Blockchains	21/46	

List of proposed unique events that are to be held next year

- Spectrum management - possible speaker from the CRC
- Internet of Things – what's it all about
- Workshop on tax, liability and other issues relevant to those who wish to practice as consultants or similar roles. Workshop format jointly with other IEEE chapters

YP – Young Professionals

Chair: Zied Boudia

Vice Chair: Mohamed Abdelazez

Secretary: Anastassia Gharib

Website: <http://sites.ieee.org/ottawa-yp/about-ieee/executive-committee/>

Total Number of Technical Meetings

This Year (2018)	Last Year (2017)
10	6

Overview of Basic Entity Activities

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, Social, Luncheon, etc.) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
01 April 2018 10:30 AM to 11:30 AM Montreal	Technical meeting	MEETING WITH IEEE YP MONTREAL CHAIR TO PLAN FOR JOINT EVENTS AND COLLABORATIONS	2/2	Plan for future events with YP Montreal. Have provided them with a speaker for a Machine Learning Seminar.
11 April 2018 Time: 02:00 PM to 03:30 PM Carleton University	Social, First YP meeting with a new team	INTRODUCTION OF THE NEW YP OTTAWA TEAM AND LOOKING FOR VOLUNTEERS	15/20	

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Date: 21 April 2018 Time: 09:00 AM to 04:00 PM Carleton University	Workshop	Object Oriented Programming 101	10/30	
Date: 02 May 2018 Time: 02:30 PM to 04:30 PM Carleton University	Seminar Talk in Wireless Communication: MOTIVATING RESEARCH IN WIRELESS COMMUNICATIONS	Technical/Research Talk by Professor Salama Ikki	15/25	
Date: 09 May 2018 Time: 04:00 PM to 05:45 PM Carleton University	Social Meeting for new YP members	Introduction of the new YP Volunteers and Positions' Selection	16/18	
Date: 31 May 2018 Time: 04:00 PM to 05:30 PM Carleton University	Technical meeting for preparation for upcoming events	Volunteering with IEEE YPAG: Upcoming DATA DAY 5.0, Machine Learning Seminar, and Website Creation	20/25	
Date: 05 June 2018	University One Day Event	IEEE YP Main Source of Volunteers at Carleton	30/50	

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Time: 08:00 AM to 05:00 PM. Carleton University		University's Data Day		
Date: 08 June 2018 Time: 06:00 PM to 08:00 PM Carleton University	Seminar on Machine Learning	Seminar Talk in Machine Learning: Learning from Observations by Babak Esfandiari Professor, Carleton University	10/30	
Date: 29 June 2018 Time: 02:00 PM to 04:00 PM	Technical meeting	Meeting To plan for a Datathon and Assign tasks	8/10	Planned sponsorship by IDM and/or Shopify
Date: 22 July 2018 Time: 04:00 PM to 06:00 PM Starbucks 2735 Iris St Ottawa, On Canada K2C 3S4	Technical Meeting	Meeting to Prepare for Research Talks Series	5/5	One Postdoc Ottawa U, One Adjunct Professor Carleton University, and two senior Engineers at Ericson

List of unique events held, sponsored or organized such as symposia, conferences, educational programs, job fairs, competitions etc.

- The Machine learning seminar has attracted many people from the industry and academia

List of proposed unique events that are to be held next year

- DataThon is being planned as a big event.
- A seminar series on interesting topics for both academia and industry with three main talks (i) Impact of Business Model Thinking on Academic Research (ii) Big Data Products: Challenges and opportunities, and (iii) Autonomous 5G Networks.

WiE – Women in Engineering

Chair: Winnie Ye, winnie.ye@carleton.ca

Vice Chair: Zahra Mohammad (resigned in Aug 2018)

Secretary: Laura Machado

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

Total Number of Technical Meetings

This Year	Last Year
6	3

Overview of Basic Entity Activities

Activity Date, Time, Location	Activity Type (Tech Meeting, Workshop, DL, Social, Luncheon, etc.) and Brief Description	Title/Speaker or Workshop Name	Attendance IEEE/Total	Joint Activity Sponsors
October 3, 2018 Time: 10:00am - 11:00am	Technical meeting	Designing nanophotonics circuits with next generation evolutionary algorithms	2/9	Carleton University SPIE Student Chapter

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Location: ME4124 - Carleton University				
September 12, 2018 Time: 10:30 AM - 11:30 AM Mackenzie ME4124, Carleton University	Technical meeting	Programmable Photonics: are we ready for optical FPGAs? Speaker: Dr. Jose Capmany (Spain)	5/35	IEEE PHO Ottawa Chapter/Carleton University SPIE Student Chapter
July 17, 2018 Time: 10:00 to 12:00 Location: ME4124, Carleton University	Technical meeting	Novel Broadband and Polarization Insensitive Spot- Size Converter Design	2/13	Carleton University SPIE Student Chapter
July 17, 2018 Time: 12:00- 13:30	Networking Luncheon		2/9	
July 17, 2018 Time: 13:30- 16:30	Networking event, social activities at Escape Manor, Ottawa		2/9	
February 14, 2018 Time: 2:30 to 4:00	Technical meeting	Optoelectronic Components for Near and Mid Infrared, Based on Ge-Rich SiGe Alloys	2/10	Carleton University SPIE Student Chapter

IEEE Ottawa Section Report to the Annual General Meeting **2018**

Location: 4124 Mackenzie Building				
March 2, 2018 Time: 13:30 – 14:00 Location: FTX137, University of Ottawa	Technical meeting	IEEE Women in Engineering and Photonics	2/11	Advancing New Canadian Women in Technology (ANCWT)
March 23, 2018 Time: 1:00 to 4:00 Location: AP340	Technical meeting	A hands-on tutorial on Lumerical Photonic Design Suite	?/40	Carleton University SPIE Student Chapter

Awards and Recognitions

- June 2018: Dr. Winnie Ye won the 2018 IEEE Women in Engineering (WIE) Inspiring Member Award

List of unique events held, sponsored or organized such as symposia, conferences, educational programs, job fairs, competitions etc.

- On March 2, 2018, Dr. Winnie Ye represented the IEEE WIE Ottawa Chapter presented a seminar on “Women in Engineering and Photonics” to the Advancing New Canadian Women in Technology (ANCWT). ANCWT (<https://ancwt.ca/>) is a bridging employment program for women groups, such as, new immigrants and Syrian refugees who have technical training (in engineering, technology, and computer science and information technology) from outside Canada. Led by Dr. Sawsan Abdul-Majid, the goal of ANCWT is to help the members of ANCWT to enter Canadian job market, as fast as possible.
- The tutorial on Lumerical workshop, held on March 23, 2018, was a successful event. We maxed out the registration capacity limited by the total number of available computer workstations.

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The participants included senior undergraduate students, graduate students, university researchers, professors, from both Carleton University and the University of Ottawa.

List of proposed unique events that are to be held next year

- The Chapter plan to continue the technical seminar series, as well as more team building activities in 2018-2019. We hope to promote IEEE WIE and bring in new members to the IEEE.

5 IEEE Ottawa Section Executive 2018

The current IEEE Ottawa Section executive officers are as follows:

Chair: Ms. Anissa Shaddy, anissa@ieee.org

Vice – Chair: Ms. Zahra Mohammad, zahra.mohammad@carleton.ca

Treasurer: Mr. Abdulhak Nagy, abdulhak.nagy@carleton.ca

Secretary: Ajit Pardasani, Ajit.Pardasani@ieee.org

Past Chair: Ms. Janet Davis, janet.davis@carleton.ca

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

6 IEEE Ottawa Section Elections for 2019 Executives

The IEEE Ottawa Section Nominations and Appointments Committee proposes the following nominees, who have agreed to serve, if elected, as the 2019 IEEE Ottawa Section Executive.

IEEE Ottawa Section Executive Slate

- Chair: Dr. Winnie Ye
- Vice-Chair: Mr. Ajit Pardasani
- Treasurer: Mr. Abdulhak Nagy
- Secretary: Mr. Travis Jardine

The elections will be held during the AGM Business at 06:00 PM on 19th October 2018. The results will be announced at the Annual General Meeting.

<http://www.ieeeottawa.ca/2018/10/74th-annual-ieee-ottawa-section-agm-and-banquet/>

7 List of 2019 Section Executives and Officers

Name	Position	Email
EXECUTIVES		
Dr. Winnie Ye	Chair	anissa@ieee.org
Ajit Pardasani	Vice Chair	ajit.pardasani@ieee.org
Mr. Travis Jardine	Secretary	
Mr. Abdulhak Nagy	Treasurer	abdulhak.nagy@carleton.ca
Anissa Shaddy	Past Chair	anissa@ieee.org
COMMITTEES		
Annual General Meeting (AGM) Planning		
Ajit Pardasani	Chair	ajit.pardasani@ieee.org
Awards & Recognitions		
Wahab Almuhtadi	Chair	almuhtadi@ieee.org
[Ottawa Section Execs]	Members	Chair, Vice Chair, Secretary, Treasurer, Past Chair
Raed Abdullah	Member	raedabdullah@ieee.org
Bylaws		
Branislav Djokic	Chair	branislav@ieee.org
Kexing Liu		kexing.liu@ieee.org
Communications / Publications		
Maytham Sabbagh	Chair	maytham.sabbagh.ca@ieee.org
Emma Wang	Social Media	emmawang@ieee.org
Rishi Sharma	Webmaster	ismail.syed@ieee.carleton.ca

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Educational Activities (EA)		
Branislav Djokic	Chair	branislav@ieee.org
Engineers in Transition Activities (EIT)		
Vacant	Chair	
Membership Development (MD)		
Anissa Shaddy	Chair	anissa@ieee.org
Vacant	Vice Chair	
Nominations and Appointments		
Sreeraman Rajan		sreeraman@ieee.org
Raed Abdullah		raedabdullah@ieee.org
Wahab Almuhtadi		almuhtadi@ieee.org
Branislav Djokic	Chair	branislav@ieee.org
John Grefford		grefford@ieee.org
Tom Lavrisa		lavrisa@ieee.org
Ottawa Robotics Competition		
Heidi Li	Co – Chair	heidi.li.ca@ieee.org
David Huynh	Co – Chair	David.huynh.ca@ieee.org
Strategic Planning		
Raed Abdullah	Chair	raedabdullah@ieee.org
Janet Davis		janet.davis@ieee.org

IEEE Ottawa Section Report to the Annual General Meeting **2018**

Sreeraman Rajan		sreeraman@ieee.org
Wahab Almuhtadi		almuhtadi@ieee.org
Branislav Djokic		brislav@ieee.org
Teacher in Service Program (TISP)		
Wolfram Lunscher	Chair	wlunscher@gmail.com
Janet Davis		janet.davis@ieee.org
Senior Membership		
Sreeraman Rajan	Chair	sreeraman@ieee.org
Bhashyam Balaji	Vice – Chair	
Conference		
Wolfram Lunscher	Chair	wlunscher@gmail.com
Wahab Almuhtadi		almuhtadi@ieee.org
Sreeraman Rajan		sreeraman@ieee.org
Raed Abdullah		raedabdullah@ieee.org
LM – Life Member		
Wolfram Lunscher	Chair	wlunscher@gmail.com
Ottawa – Special Interest Group on Humanitarian Technology (SIGHT)		
Alfredo Herrera	Chair	alfredo.herrera@ieee.org
Sean Campeau	Vice Chair	sean.campeau.ca@ieee.org
Kin Y. Sze	OS-ARIS Project Lead	kinsze@ieee.org

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TECHNICAL CHAPTERS		
AESS – Aerospace and Electronic Systems Society		
Vacant	Chair	
Vacant	Vice Chair	
AP/MTT – Microwaves/Antennas/Propagation Society		
Qingsheng Zeng	Chair	qingsheng.zeng03@hotmail.com
Leonard Petrie	Vice Chair	petrie@rogers.com
Yuming Tao	Secretary	yuming.tao@pmcs.com
CI/SMC – Computational Intelligence Society / Systems, Man and Cybernetics Society Joint Chapter		
Rafael Falcon	Chair	rfalcon@ieee.org
CS– Computer Society		
Eric Karmouch	Chair	ekarmouch@ieee.org
Matham Sabbagh	Vice Chair	Matham.sabbagh.ca@ieee.org
ComSoc, BTS & CES		
Wahab Almuhtadi	Chair	almuhtadi@ieee.org
Claude Brulé	Vice Chair	brulec@algonquincollege.com
Raed Abdullah	Secretary	RaedAbdullah@ieee.org
	Membership Development	tkhoury@ieee.org
CPMT - Components, Packaging and Manufacturing Technology Society		
Qi-Jun Zhang	Chair	gjz@doe.carleton.ca
DEIS - Dielectrics and Electrical Insulation Society – Joint Ottawa-Montreal Chapter		
Refat Ghunem	Chair	Refat.Ghunem@nrc-cnrc.gc.ca

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EDS, CAS & SSCS		
Ramachandra Achar	Chair	achar@doe.carleton.ca
Ihsan Erdin	Vice Chair	ierdin@ieee.org
EMC – Electromagnetic Compatibility Society		
Syed Bokhari	Chair	bokhari@ieee.org
Qiubo Ye	Vice Chair	quibo.ye@crc.ca
EMBS – Engineering in Medicine and Biology Society		
Sreeraman Rajan	Chair	sreeraman@ieee.org
Vacant	Vice Chair	jrgreen@sce.carleton.ca
Andrew Law	Treasurer	andrew.law@nrc-cnrc.gc.ca
Yuu Ono	Secretary	yuuno@sce.carleton.ca
Adrian Chan	Webmaster	adcchan@sce.carleton.ca
IMS – Instrumentation and Measurement Society		
Voicu Groza	Chair	vgroza@ieee.org
Branislav Djokic	Vice Chair	branislav@ieee.org
IAS – Industry Applications Society		
Vacant	Chair	
PHO– Photonics Society		
Jianping Yao	Chair	jpyao@eecs.uottawa.ca
Winnie Ye	Vice Chair	winnie_ye@carleton.ca
John Bernard	Treasurer	john.bernard@nrc-cnrc.gc.ca
Kexing Liu	Past Chair	kexing.liu@ieee.org
John Alcock	Senior Past Chair	john.alcock@nrc-cnrc.gc.ca

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PES – Power & Energy Society		
Wahab Almuhtadi	Chair	almuhtadi@ieee.org
Branislav Djokic	Vice Chair	brislav@ieee.org
Carl Kropp	Secretary	kropcarl@aol.com
Raed Abdullah	Treasurer	raedabdullah@ieee.org
RAS / CSS – Robotics & Automation Society / Control System Society – Joint Chapter		
Jurek Sasiadek	Chair	jurek_sasiadek@carleton.ca
Marek Zaremba	Vice Chair	marek.zaremba@uqo.ca
R/PEL – Reliability Society / Power Electronics Society – Joint Chapter		
Raed Abdullah	Chair	raedabdullah@ieee.org
Tanya Gacjovska	Vice Chair	tgachovska@yahoo.com
SP, OE & GRS		
Yifeng Zhou	Chair	yifeng.zhou@ieee.org
TEMS, PCS & SSIT		
Bhagwat Joshi	Chair (Temp)	bjoshi.ieee@gmail.com
Alfredo Herrera	Vice Chair	alfredo.herrera@ieee.org
	Vice Chair	
VTS – Vehicular Technology Society		
Richard Yu	Chair	richard.yu@carleton.ca
Hugh Reekie	Vice Chair	h.reekie@ieee.org
AFFINITY GROUPS		
AICN – Alliance of IEEE Consultant Network		

IEEE Ottawa Section Report to the Annual General Meeting

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Bhagvat Joshi	Chair	bjoshi@ieee.org
Mike Bourassa	Vice Chair	michael.bourassa@ieee.org
YP (formerly GOLD) – Young Professionals		
Zied Boudia	Chair	Zied.Bouida@ieee.org
Mohamed Abdelazez	Vice Chair	Mohamed.abdelazez@carleton.ca
WIE – Women in Engineering		
Winnie Ye	Chair	winnie_ye@carleton.ca
Zahra Mohammad	Vice Chair	zahramohammad@cmail.carleton.ca
SIGHT (Special Interest Group on Humanitarian Technology)		
Alferdo Herrera		Alferdo.Herrera@ieee.org
STUDENT BRANCHES		
Student Branches Rep		
Danielle Marchand	Chair	
Algonquin College		
Idoko Ameh	Chair	amehidoko@msn.com
John Lutz	Vice Chair	
Adam Barnfather	Secretary	
Gianpiero Beraldin	Treasurer	
Ronald Ekambiekambi	Webmaster	
Membership Development	Michael W Yuen	
Abdul Al-Azzawi	Faculty Advisor	alazaa@algonquincollege.com

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Carleton University		
Irusha Vidanamadura	Chair	chair@ieee.carleton.ca
Emma Wang/ Monty Dhananii	Vice Chair	vicechair@ieee.carleton.ca
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Ahmed Sakr	Treasurer	treasurer@ieee.carleton.ca
Sayed-Ali Nouri	Webmaster	webmaster@ieee.carleton.ca
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Viraj Dave	Office Director	
Bolor Altangerel	Internal Director	
Joshua Alexander	External Director	
Samuel Catherasoo	Finance Director	
Jacky Chiu	Workshop Director	
Federico Naranjo	Computer Society Chair	federico.bellina@ieee.carleton.ca
Ryan Abraham	Computer Society Vice Chair	ryan.abraham@ieee.carleton.ca
Laura Machado	WiE Chair	wiechair@cmail.carleton.ca
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Brian Zhang	Slam Lead	
Aarthi Ganesh	Social Director	
Justin Fleming	Acquisitions Director	
Calvin Plett	Faculty Advisor	cp@doe.carleton.ca

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University of Ottawa		
Alise Wang	Chair	chair@ieeetuottawa.ca
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Shannon Berry	Treasurer	treasurer@ieeetuottawa.ca
Tamer Sherif	Webmaster	webmaster@ieee.carleton.ca
Mohammed Hussain	McNaughton Centre Director	mcnaughton@ieeetuottawa.ca
Manisha Wanniarachchige	WIE-Chair	wie-chair@ieeetuottawa.ca
Raine Cobon	WiE Vice Chair	Wie-vicechair@ieeetuottawa.ca
Ivor Benderavage	VP Communications	communications@ieeetuottawa.ca
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Heemel Saha	VP Social	social@ieeetuottawa.ca
Mostafa Yasser	VP Internal	internal@ieeetuottawa.ca
Minh Thao Dang	VP External	external@ieeetuottawa.ca
Alfredo Herrera	Faculty Advisor	Alfredo.herrera@ieee.org
Other Student Bodies		
Stephanie Zeidan	R7 Student Rep.	Stephanie.zeidan.ca@ieee.org