

31<sup>st</sup> Canadian Conference On Electrical and  
Computer Engineering - CCECE 2018

31<sup>e</sup> Conférence Canadienne de Génie Électrique &  
Informatique - CCGÉI 2018

May 13 - 16, 2018  
Québec City, Canada

13 - 16 mai 2018  
Québec, Canada





## IEEE Quebec WIE and YP Chair's Welcome Message

### WIE & YP workshop:

Strategies for success: what can we learn from each other?



Dear participants, welcome to the Women In Engineering (WIE) and Young Professionals (YP) workshop. The IEEE Quebec Women in Engineering and IEEE Quebec Young Professionals outreach at the CCECE'18 conference to bring together students, recent graduates and professionals from industry and academia.

We are reaching out to female and male students and professionals to encourage them and give them strategies for a successful career path in STEM (science, technology, engineering, and mathematics) fields. Our enthusiastic, passionate speakers will share their career paths, perspectives on industry trends, tips for internship and job searches, and highlight the

importance of diversity for the future advancement of STEM sectors.

Thank you on behalf of IEEE WIE Quebec and IEEE YP Quebec to all participants, speakers, sponsors, organizing committee and volunteer members who made this workshop happen.

**Organizing committee members:** Samira A.Rahimi, Valérie Dorval, Alexandrine Boucher, Mana Eskandari, Bardia Yousefi, Leslie Rusch, Angelica Munoz



**Advisory committee:** IEEE WIE Canada, IEEE YP Canada, IEEE Quebec, IEEE Montreal, IEEE WIE and YP Montreal



## Workshop Schedule

- **15h30-15h35**

Opening Remarks (Maike Luiken)

- **15h35-15h40**

Introduction to WIE-Canada (Samira A.Rahimi)

- **15h40-15h45**

Introduction to YP (El-Nasser Youssef)

- **15h45-16h00**

Living in balance; personal & professional life (Pirathayini Srikantha)

- **16h00-16h15**

The Courage to Lead: Diversity Aware Leadership (Ana Luisa Trejos)

- **16h15-16h30**

Attracting and Retaining Women in STEM (Fanny Eugène)

- **16h30-16h45**

Getting a job after graduation (Industry) (Angelica Muñoz)

- **16h45-17h00**

Getting a job after graduation (Academia) (Holly Witteman)

- **17h00 – 17h30**

Q&A and Discussion & Learning panel: Strategies for success: What can we learn from each other?

- **17h30**

Closing remarks, Announcement of WIE best paper awards, Cocktail



## About Speakers:



Maïke Luiken, PhD, SMIEEE, IEEE-HKN, is President of IEEE Canada, IEEE Board Director and Chair, Policy Track, IEEE Internet Initiative. She is the founding director of the Bluewater Technology Access Centre (2013-16) following eight years as Dean at Lambton College (Dean, Technology, Applied Sciences, Apprenticeship, Fire School, Applied Research, 2005; Dean, Applied Research and Innovation, Business Development, Sustainable Development, 2007). Maïke provided strategic leadership to the development of the applied research capacity and portfolio at Lambton attracting more than 10 million CAD public research funding. Maïke has a Staatsexamen (Mathematics, Physics), TU Carolo-Wilhelmina, Braunschweig, Germany, and a Ph.D. in Physics, University of Waterloo. She spent a year at the University of Manitoba studying for a Master's in Electrical Engineering.

Maïke has more than 30 years of professional experience in teaching, research and educational administration, leadership and community building; especially in linking industry partners, government agencies and researchers in advanced technology initiatives. She has experience in the public and private sectors in Canada, USA and Germany. Her areas of interest and expertise span diverse technical areas from energy and water to advanced manufacturing and nanotechnology. She has particular interest in how progress in one area, e.g. in ICT, enables advances in other disciplines and in how deployment of various technologies contributes - or not - to achieving sustainability.



Pirathayini Srikantha, PhD, is an Assistant Professor in the Department of Electrical and Computer Engineering at Western University. She received her bachelor degree in Systems Design Engineering from the University of Waterloo in 2009 and her master degree in Electrical and Computer Engineering from the same institute in 2013. She obtained her Ph.D. degree from The Edward S. Rogers Sr. Department of Electrical and Computer Engineering at the University of Toronto in 2017. She is a certified Professional Engineer (P.Eng.) in Ontario. Her research efforts have received recognitions that include the best paper award (IEEE Smart Grid Communications) and runner-up best poster award (ACM Women in Computing). She has served as the Session Chair and Technical Program

Committee member in IEEE conferences. She is a reviewer in numerous IEEE transactions journals.



Ana Luisa Trejos, PhD, is an Assistant Professor in the Department of Electrical and Computer Engineering and Biomedical Engineering at the University of Western Ontario and an Associate Scientist at Canadian Surgical Technologies and Advanced Robotics, Lawson Health Research Institute. She received her B.Sc. degree in Mechanical Engineering from the University of Costa Rica in 1997, her masters degree in Mechanical Engineering from the University of British Columbia in 2000 and her PhD degree in Electrical and Computer Engineering from Western in 2012. From 2000 to 2003 she worked as an Applications Engineer for Progressive Moulded Products in Concord, Ontario. She has expertise in the design, development and testing of medical mechatronic systems. Her research is focused towards evaluating how novel mechatronic devices can improve patient care during surgery, therapy and

rehabilitation.



Fanny Eugène, PhD, is the Equity, Diversity and Inclusion Advisor at Fonds de recherche du Québec. She holds a bachelor's degree in psychology and a master's degree in biomedical sciences from Université de Montréal, as well as a PhD in psychology from Stanford University, where she used functional magnetic resonance imaging to study the neural bases of depression. After her graduate studies, she joined Concordia University's psychology department as a full-time lecturer in psychopathology and neuroscience, a position she held for three years before moving to Québec city, where she worked as a research associate in neuroscience at Université Laval. In 2016, she joined the Strategic

Planning and Management team at Fonds de recherche du Québec, where she is now responsible for equity, diversity and inclusion policies.



Angelica Muñoz is an Electrical Engineer, holder of an MBA degree, with more than 20 years of experience in the field of electric power, working with automation solutions and electrical equipment for local and international markets. She is a member of the Ordre des Ingénieurs de Québec (OIQ), member of Institute of Electrical and Electronics Engineers (IEEE) , IEEE Women In Engineering. She is currently working in Eaton Corporation as Proposal Engineer for automation products and solutions for Local and International market. She also worked in ABB as Product Engineer Latin American market, and in Schneider Electric as Low Voltage Product Manager in Colombia, and Empresa de Energía de Bogotá (EEB) as Controller.



Holly Witteman, PhD, is an Associate Professor in the Department of Family & Emergency Medicine, Université Laval, Québec City, Canada. Dr. Witteman directs the research unit within the Faculty of Medicine's Office of Education and Professional Development. She is also a scientist at the Research Centre of the CHU de Québec-Université Laval, at the new Institute of Primary Care Research affiliated with Laval University, and an Affiliate Investigator at the Ottawa Hospital Research Institute, Ottawa, Canada, and traditional Algonquin territory. With an interdisciplinary background in human factors engineering and social sciences, her research is about the design and evaluation of digital and other media in health decision making. She specializes in human-computer

interaction in health education, risk communication and decision making, including design methods to support inclusive user- and patient-centeredness. Her work as Principal Investigator has been funded by the Fonds de recherche du Québec – Santé (FRQS), the Patient-Centered Outcomes Research Institute (PCORI, United States), the Canada Foundation for Innovation (CFI), and the Canadian Institutes of Health Research (CIHR).