

Joint IEEE Toronto Computer Society/ Industry Relations Committee Meeting

"Cyber Security for Utilities"

March 22nd, 2017

Dennis Cecic, P. Eng. (d.cecic@ieee.org)
Chair, IEEE Toronto Computer Chapter

Hugo Sanchez-Reategui, P. Eng. (hugosanreategui@gmail.com)
Chair, IEEE Toronto Industry Relations Committee

Agenda

- 6:00 PM – Opening Remarks (Dennis/Hugo)
- 6:15 PM – Presentation
- 7:45 PM – Q/A
- 8:00 PM – Finish

IEEE (Institute for Electrical & Electronics Engineers)

- www.ieee.org
- Worlds largest professional technical society
- Publishes the majority of leading research in our field (ECE)
- IEEE Standards Association have published many key standards
 - 802.3 (Ethernet), 802.11 (Wi-Fi)
- Basic membership fee is about \$200/yr

IEEE Toronto Section

- www.toronto.ieee.ca
- Active since 1903
 - Approx. 4000 members in the GTA
- Many IEEE technical societies are represented
 - Monthly meetings
- Student branches in all major engineering schools and colleges
- Computer Chapter Events
 - www.toronto.ieee.ca/computer

Computer Chapter Executive

- **Dennis Cecic, P. Eng (Chair)**
 - Sr. Technical Training Engineer, Microchip
 - Tech. Focus: MCU-Based Embedded Systems, Wired & Wireless Protocols and Applications
- **Levon Khachatryan, EIT (Vice-Chair)**
 - Software Analyst, Thales Canada
 - Tech. Focus: Embedded Software for Train Systems
- **Ahnaf Hassan (Secretary)**
 - MASc Student (UofT Inst. Of Biomaterials & Biomedical Engineering)
 - Tech. Focus: Application of Machine Learning Algorithms in Biomedical Signal Processing

IEEE Computer Society

Keeping you @ the center of Technology

- International reach
- 550+ chapters
- 150+ standards groups
- 200+ annual conferences
- 28 Technical Committees
- 13 Magazines, 19 Technical Journals
- [Membership Video](#)

Upcoming Events

- Embedded Firmware Development
 - Safe/Secure Coding practices
- Deep Learning Algorithms & Programming
- Arduino™ Hands-on Workshops
 - Stay Tuned...

Computer: Call to Action

- Keep in touch
 - d.cecic@ieee.org
- Join the IEEE Computer Society!
 - <http://www.computer.org/web/membership/join>
- Subscribe to IEEE Toronto E-News
 - Visit www.toronto.ieee.ca to sign up
- Join our Meetup Group to see upcoming events!
 - <http://www.meetup.com/Toronto-IEEE-Computer-Chapter-Meetup>

Industrial Relations Committee

- **Hugo Sanchez-Reategui , P. Eng (Chair)**
 - Consultant, Alectra Utilities (formerly PowerStream Inc.)

What do we do?

- Partner with chapters, student branches, other associations, cities, etc.
- Look for opportunities to sell the IEEE Toronto section brand
- Find solutions (industry gaps) that chapters did not deliver

Current Activities

- Co-host with YP -“Engineering Communication Seminar 2017”
- Support Ryerson Student Branch-Ryerson Industry Night <https://youtu.be/intYoNikTHA>
- Industry Relations events on hot topics <https://events.vtools.ieee.org/m/44162>
- IHTC 2017 <http://www.ihtc2017.ieee.ca/>
<http://www.ihtc2017.ieee.ca/patronsexhibitors/>

Industry Relations: Call to Action

- Keep in touch
 - hugosanreategui@gmail.com

**...and now, Doug Westlund
from AESI**