

Academia-Industry Collaboration

How to Make it Work



IEEE Research Boost

By IEEE Industry Relations

Co-sponsors:



SCHOOL OF GRADUATE STUDIES



The Montreal Chapters of
IEEE ComSoc, CAS and TEMS

The 5th IEEE Research Boost

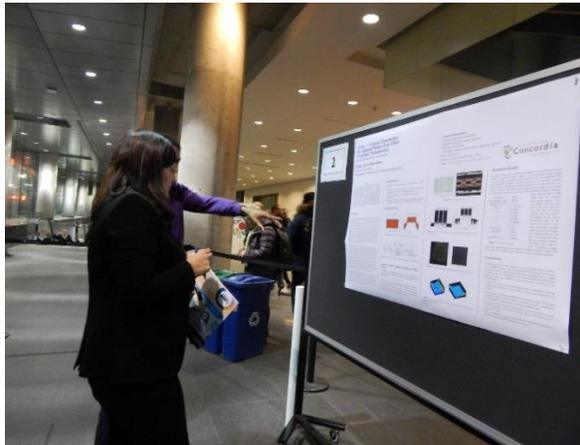
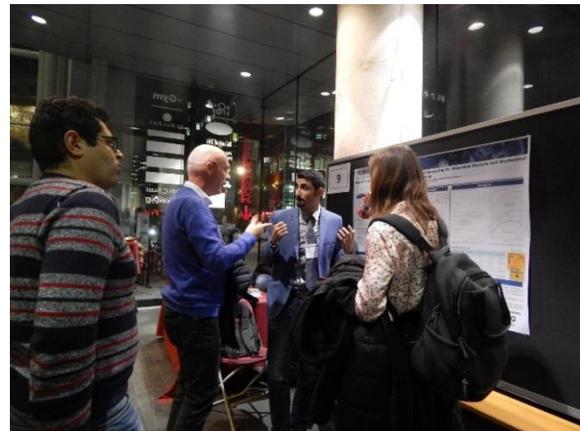
Hosted by: Concordia University

November 29th 2018

The 5th IEEE Research Boost took place on November 29th, 2018 at Concordia University. IEEE Montreal Section, IEEE Montreal Industry Relations Committee (IRC) and IEEE Montreal Societies of ComSoc, CAS, and TEMS as well as School of Graduate Studies at Concordia University have supported organizing this evening event as co-sponsors.

In the evening of November 29th, Concordia University hosted this amazing event for the third times. With the theme “Give your research an industrial edge”, more than 180 attendants checked into the event room being welcomed by the organizers. The registration started at 5:00 PM and took place smoothly and fast. The agenda of the event included two keynote sessions and two poster sessions with refreshments and networking took place in between. The registration committee is composed of familiar faces of the active enthusiastic IEEE volunteers from all engineering disciplines.

The attendees were both from the Academia and Industry; there was about 60 % with academic affiliations and 40 % working in industry. Moreover, 35% of the participants were non-IEEE members. During the evening, some of them indicated that they see the value of IEEE and plan to join.



Welcoming Speech

Pulling audience to tune in before the first talk session starts, Mr. Raphael Tana, Vice-Chair of IEEE Montreal Industry Relations Committee, started this auspicious event by heartily welcoming the attendees, keynote speakers, and organizers of the event. He highlighted the percentage of participants from industry and academia since the beginning. Then, Prof. Anader Benyamin-Seeyar, the chair of IEEE Montreal Communications Society, gave his welcoming speech where he proudly welcomed the attendees and expressed his pleasure having the fifth edition of the event and thanked Concordia University for hosting it for the third time. Mr. Raphael Tana closed the welcoming speech session by appreciating and giving the credit to the organizers of the event and invited the first keynote speaker to give her talk.



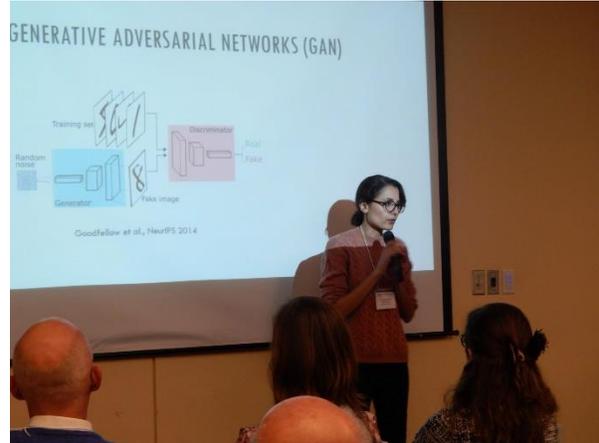
Keynote Sessions

The keynote sessions started at 6:00 PM with an impressive presentation held by Dr. Layla El Asri, Research Manager at *Microsoft Research Montréal*. She gave a talk on "Dialogue Interfaces for Generative Mode".

Then, Dr. Carolina Bessega, the Chief Scientific Officer at *Stradigi* had her talk on "Exploring the Importance of ML Interpretability".

In the second round of keynote sessions starting at 7:40 PM, Dr. Bahar Pourbabaei, Machine Learning Researcher at *OMsignal* gave an interesting talk on “AI and Wearable Devices Applications in Clinical Diagnosis, Prognosis and Health Monitoring”.

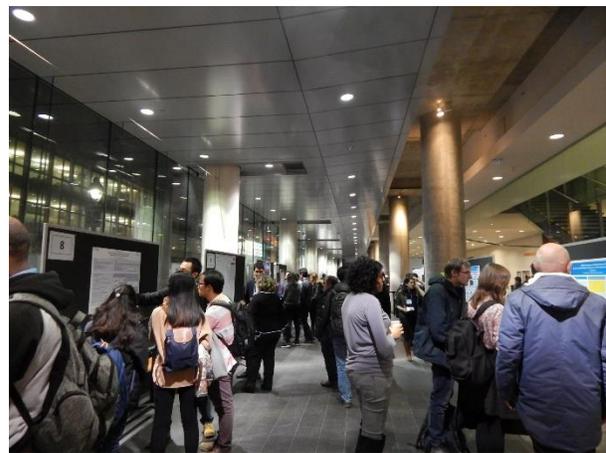
At the end, Dr. Marwan Kanaan, *NSERC-RJM Team Lead on Wireless IP Technology* for Developing Countries had his talk on “Delivering Internet Access to Villages in the Amazon”.

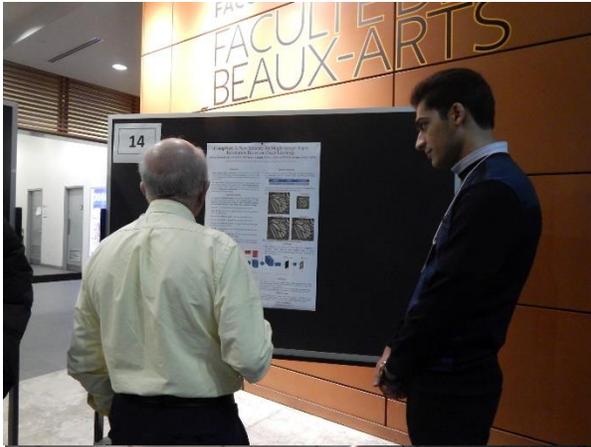




Poster Sessions

Two poster sessions were held in the event, where 16 poster presenters from 5 universities (Concordia, ETS, McGill, UDM and Polytechnique Montreal) arranged their posters in place and welcomed the attendants walking around and discussing their findings with them and the evaluators. The presented posters covered a wide spectrum of research fields which includes Artificial Intelligence, 5G, Cybersecurity, Smart Grids, Smart Cities, Signal, Image and Video Processing, Computer Vision, Machine Learning, Circuits and Systems, and Biomedical Engineering. The atmosphere of the poster sessions was so welcoming where technical discussions were taking place between all the attendees and presenters, while enjoying the refreshments and soft drinks. According to the organization committee plan, the evaluation of the posters took place during the poster sessions. The list of winning posters is then prepared to include the presenters in the awards ceremony.





Award Ceremony and Closing Remarks

Mr. Tana announced the winning posters and inviting them to the stage to receive their awards. The winners were:

First Place Award (\$300): Seyed Mohammad Noghbaie, *Poly-technique Montreal,*

Second Place Award (\$200): Mohamed Elhattab, *Concordia University,*

Third Place Award (\$100): Nicolas Gontier, *MILA,*

Third Place Award (\$100): Alireza Esmaeilzahi, *Concordia University*



Then, at the end Dr. Hamidreza Sadreazami, Chair of IEEE Montreal Industry Relations Committee, closed the event by thanking all sponsors, keynote speakers and poster presenters and volunteers and members of IEEE Montreal Industry Relations Committee.

