IEEE Montreal SSCS Chapter Hosts an Event in January 2018

The IEEE Solid-State Circuits Society (SSCS) Montreal Chapter, in collaboration with the Strategic Microsystems Alliance of Quebec (ReSMiQ, www.resmiq.org), organized a seminar on 11 January 2018 at Polytechnique Montreal. Prof. Jerald Yoo, National University of Singapore, presented “Design Strategies for Wearable Sensor Interface Circuits—From Electrodes to Signal Processing.” He discussed the main issues and limitations associated with wearable sensor interfaces and different approaches to mitigate the drawbacks. He also talked about state-of-the-art instrumentation amplifiers. He concluded his talk with potential research topics on the sensor interfaces. The talk was attended by 14 participants from universities and institutions in Quebec. Valuable questions and answers flowed at the end of the lecture.

For more information on the SSCS Montreal Chapter’s past events and upcoming seminars, please visit the Chapter’s website at www.ieeesscmsmontreal.org.

—Mohammad Honarparvar
Chapter Vice-Chair
—Mohamad Sawan
Chapter Chair

Prof. Jerald Yoo with attendees of the seminar at Polytechnique Montreal.

Prof. Pietro Andreani Presents Seminar at SSCS Lehigh Valley Section

Prof. Pietro Andreani from Lund University, Sweden, presented a seminar on IC LC oscillators at the Lehigh Valley Section of the IEEE Solid-State Circuits Society at Lehigh University on 6 February 2018. The presentation started with a discussion of the very basic single-ended LC oscillator circuit leading to the classic Colpitts oscillator and then to the two common differential IC configurations. In exponential fashion, he progressed to a number of issues that these circuits experience, including the advantages and disadvantages that different oscillator configurations present, oscillator noise and where it comes from in the oscillator,