Micro-Nanosystems Design Award

This award recognizes novel use or development of Computer Aided Design (CAD) tools or design methods leading to the improved manufacture and application of sophisticated micro-nanosystem prototypes relevant to Canadian industry.

Title	Presenters	University
A 65 nm Compact High Performance Fully Synthesizable Clock Multiplier Based on an Injection Locked Ring Oscillator	Nahla Abouelkheir	University of Ottawa
A Wireless Fiber Photometry System Based on a High-Precision CMOS Biosensor With Embedded Continuous-Time ΣΔ Modulation	Mehdi Noormohammadi Khiarak	Laval University
LeFlow: Enabling Flexible FPGA High-Level Synthesis of Tensorflow Deep Neural Networks	Daniel Holanda Noronha	University of British Columbia
Novel Angular Rate Sensing Using a Nonlinear Microresonator Actuated by 2:1 Internal Resonance	Atabak Sarrafan; Soheil Azimi	Simon Fraser University
Novel High Dynamic Range CMOS Capacitive Sensor for Life Science Applications	Hamed Oscoli	Ryerson University
Simultaneous Generation of WDM Chirped Microwave Waveforms Using Integrated Spectral Shapers in Silicon Photonics	Parisa Moslemi	McGill University
Towards Trainable Synthesis for Optimized Circuit Deployment on FPGAs	Jean-Philippe Legault	University of New Brunswick
A 9.2-gram 8-Channel Fully-Flexible Wireless Surface EEG Monitoring and Diagnostic Headband with Motion Artifact Removal	Alireza Dabbaghian; Tayebeh Yousefi	York University