



## TEXPO 2019 Participants

	Authors/Presenters	Faculty	University	Title	M n D i a e c n s r o i o s g - y n s t A e w m a s r d	B M I R I N I C T A R E N O G S R L Y A S T B T I A E O R M N G S E	Researcher Provided Equipment	Software in Use/Licensing
1	Shimwe Dominique Niyonambaza	Amine Miled	Université Laval	A Compact Optical Spectrometer for Dopamine Detection Using Ultrastable Gold Nanoparticles		x		
2	Nathaniel Brochu	Amine Miled	Université Laval	Bacteria Energy Recovery System Using Natural Soil Bacteria in a Microbial Fuel Cells		x	Computer Microbial fuel cell pH captor	Matlab
3	Tejinder Singh	Raafat Mansour	University of Waterloo	Miniaturized mmWave Chalcogenide PCM GeTe-Based Switch Matrices for Wireless and Satellite Communications Systems	x	x		
4	Mathieu Gratuze	Frédéric Nabki	École de Technologie Supérieure	Design of the Squared Daisy Structure	x		Oscilloscope Speaker	Cadence Comsol Matlab
5	Armin Agharazy Dormeny	Mojtaba Kahrizi	Concordia University	Design and Simulation of a Refractive Index Sensor Based on SPR and LSPR using Gold Nanostructures	x			Comsol
6	Seyed-Mohammad Noghabaei	Mohamad Sawan	Polytechnique Montreal	Multi-band Ultra-Low-Power RF Energy Harvesting for the Internet of Things and Wearable Applications		x	Signal generator Network analyzer Power supply Multimeter	
7	Sultan Khetani	Amir Sanati	University of Calgary	MicroDrop: A Multi-Analyte Portable Detection Device	x	x	Portable battery powered device which may need a charging point.	
8	Amit Gour	Frédéric Nabki	École de Technologie Supérieure	High Speed Rotary MEMS Micromotor Fabricating using PolyMUMPs Process for OCT Application	x			
9	Zhao Yang	Peter Lian	York University	Low Power Analog Front-End for Flexible Wearable ECG Sensor	x			
10	Mohammad Maadi	Roger Zemp	University of Alberta	Large-Scale Multi-Frequency Capacitive Micromachined Ultrasonic Transducer (CMUT) Arrays for Ultrasound Imaging and Therapeutic Applications	x	x		MATLAB Agilent ADS ANSYS
11	Soroush Rasti Boroujeni	Safieddin Safavi-Naeini	University of Waterloo	A Highly Efficient Bi-CMOS Ka-Band MMIC for Emerging Millimeter-Wave Communications Systems Phased-Arrays	x	x		
12	Milad Haghi Kashani	Shahriar Mirabbasi	University of British Columbia	A mm-wave Low-Noise Mixer-First Receiver Front-End for 5G-IoT Applications	x			



## TEXPO 2019 Participants

	Authors/Presenters	Faculty	University	Title	M n D i a e c n s r o i o s g - y n s t A e w m a s r d	B M I R I N I C T A R E N O G S R L Y A S T B T I A E O R M N G S E	Researcher Provided Equipment	Software in Use/Licensing
13	Mohsen Asad	Manoj Sachdev	University of Waterloo	Selective Mass-Transfer of High-Density GaN Micro-LED Arrays on Plastic Substrate with Improved Thermal Properties		x		