

Brian L. Barge Award for Excellence in Microsystems Integration

Judges: Sazzadur Chowdhury - University of Windsor, Charles-Philippe Trudeau - INO, Kamal Elsankary - Dalhousie University

CMC Host/Moderator: Danielle Leroux, Oleg Chebotarev

Presentation Times	Presenter	University	Title
12:00-12:15	Mehran Ahadi	Université Laval	Wearable Vital Signal Monitoring System Using Antenna Sensors
12:20-12:35	Gabriel Lachance	Université Laval	Spectrophotomètre hybride portatif pour analyse colorimétrique avec un système d'auto-échantillonnage intégré.
12:40-12:55	Eric Bharucha	Université Laval	Waterfall regulators a new topology for powering electronics
1:00-1:15	Jalal Dadkhah	University of Manitoba	Developing an Interleaved GaN-based PFC Converter with a Highly Integrated Package
1:20-1:35	Syed Mohammad Hamza	École de technologie supérieure	Integrating Organic Printed and Flexible Electronics with Conventional Microelectronics for Smart Bandages
1:40-2:00	~~~~~ BREAK ~~~~~		
2:00-2:15	Alireza Geravand	Université Laval	Ultra-Compact Low-power Silicon Photonic Coherent Modulator
2:20-2:35	Santiago Bernal	McGill University	TFLN based Modulators and Power Analysis for Next-Generation O-band Intra Datacenters Interconnects
2:40-2:55	Emerich Kovacs	University of Manitoba	Lensless Optical Dielectrophoresis Cytometer for Single Cell Analysis
3:00-3:15	Abel Beyene	York University	RISC-V Multicore for Miniature DNA Sequencers
3:20-3:35	Matthieu Valdenaire	Université de Sherbrooke	Complete Integration of Semi-Passive Memristor Architecture on CMOS: From Fabrication to Packaging and Custom Test Solution for Neural Computing
3:40-4:00	~~~~~ DELIBERATION PERIOD ~~~~~		