

Microsystems Innovation by Women

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Judges: Cathy Christiansen - Global Foundries, Gayathri Tilak Singh - Founder of a semiconductor solutions company operating in stealth mode, Marie-Josée Gour - Université de Sherbrooke

CMC Host/Moderator: Deb Stacey, Parvaneh Saffari

Presentation Times	Presenter	University	Title
12:00-12:15	Farshideh Kordi	Université Laval	FPGA-Based Hardware-in-the-Loop Real-Time Implementation
12:20-12:35	Alisa Ugodnikov	University of Toronto	Development and validation of platforms with integrated electrical sensing for application to in vitro biological barrier modeling
12:40-12:55	Shiva Akhtarian	York University	Cell Imprinted Polymers Integrated with Microfluidic Biosensors for Electrochemical Detection of Bacteria in Water
1:00-1:15	Prashee Arora	University of Windsor	Large Integer Multiplication
1:20-1:35	Yasaman Parvizifard	University of Windsor	Waste Heat recovery in Heat Exchangers design
1:40-2:00	~~~~~ BREAK ~~~~~		
2:00-2:15	Sepideh Asgari	York University	Low-Power and Scalable System on Chip for 3rd Generation of Nanopore-Based DNA Sequencing
2:20-2:35	Weijia Li	McGill University	BTO-based Modulators for Next-Generation 200G Optical Transceivers
2:40-2:55	Ayshan Soltansaleki	York University	The validation of Finite Element Analysis of advanced composite material with Digital Volume Correlation method.
3:00-3:15	Zahra Sarpanah Sourkhouhi	University of British Columbia	A 700-nA Tunneling Current-Based Amplifier in 22-nm FDSOI
3:20-3:35	Alexi Pauls	Simon Fraser University	Atomic-Scale Characterization of Microscale Battery Particles Enabled by a High Throughput Focused Ion Beam Milling Technique
3:40-4:00	~~~~~ DELIBERATION PERIOD ~~~~~		