



TEXPO 2022 Participants

Authors/Presenters	Faculty	University	Title	Excellence in Microsystems Fabrication	Microsystems Innovation by Women	Award for Excellence in Quantum Algorithms or Computing	Award for Excellence in Microsystems CAD Tools and Design Methodology	BRIAN L BARGE MICROSYSTEMS INTEGRATION	Permission to Publish Abstract	Equipment
Column2	Column3	Column4	Column5	Column52	Column53	Column54	Column6	Column7	Column13	Column14
Shiva Nejati	Mitra Mirhassani	University of Windsor	High-Performance and Resource-Efficient Hardware Architectures for PostQuantum Cryptography		1				Yes	
Yifei Yuan	Tze-Wei Yeow	University of Waterloo	Polymer Capacitive Micromachined Acoustic Receivers for Low-Frequency Cochlear Implant Applications		1				Yes	Standard power outlets. The setup includes an oscilloscope, three DC power supplies (or one DC power supply capable having three channels), and all of which need to be plugged in.
Hassan Rekabi Bana	Mitra Mirhassani	University of Windsor	Design and Implementation of Homomorphic Encryption for Secure IoT Sensor Networks					1	Yes	
Prashee Arora	Mitra Mirhassani	University of Windsor	Pre-Silicon Side-Channel Leakage Analysis Methodology for ECC		1				Yes	
Jinhao Lu	Edmond Cretu	University of British Columbia	EchoButton: A Fully Integrated Coin-Sized Wireless Ultrasound System					1	Yes	
Zahra Sepehri	Richard Al Hadi	École de technologie supérieure	Dynamic RF Beam Steering Using Photo-Induced Fresnel Zone Plates on Solar Cells		1				Yes	Standard 120 V AC power outlet (2 sockets) to plug in: Standard digital projector Power supply unit for the 30 GHz RF source Total power consumption: < 400 W
Mahdi Chegini	Jianping Yao	University of Ottawa	Low-Complexity Silicon Photonic Integrated Accelerator for High-Speed Convolution					1	Yes	