

TRACK 2 - Gayathri Singh Award for Microsystems Innovation by Women

TEXPO2024

sponsored by Global Foundries

Judges: Roman Genov (University of Toronto), MaryAnn Maher (SoftMEMS), Sarah Grunow (Global Foundries)

CMC Host: Ahmed Abumazwed **CMC Moderator:** Saasha Joshi

Presentation Deliberation	Presenter	University	Title
12:00-12:15	Shiva Akhtarian	York University	Cell Imprinted Polymers Integrated with Microfluidic Biosensors for Electrochemical Detection of Bacteria in Water
12:15-12:20	Shiva Akhtarian	York University	Cell Imprinted Polymers Integrated with Microfluidic Biosensors for Electrochemical Detection of Bacteria in Water
12:20-12:35	Aya Abu-Libdeh	University of Windsor	State-of-the-art Transistor Design Approach for Enhanced Sensing Performance
12:35-12:40	Aya Abu-Libdeh	University of Windsor	State-of-the-art Transistor Design Approach for Enhanced Sensing Performance
12:40-12:55	Fatemeh Niknahad	University of British Columbia	Smart Ice Detection: Wireless Microwave Sensor Networks
12:55-1:00	Fatemeh Niknahad	University of British Columbia	Smart Ice Detection: Wireless Microwave Sensor Networks
1:00-1:15	Xinyue Hu	McGill University	Point-of-Care Microfluidic Colorimetric Test on a CMOS Image Sensor for Monitoring Kidney Health Biomarkers
1:15-1:20	Xinyue Hu	McGill University	Point-of-Care Microfluidic Colorimetric Test on a CMOS Image Sensor for Monitoring Kidney Health Biomarkers
1:20-1:35	Batoul Hashemi	McMaster University	Amplification in a hybrid rare-earth Silicon waveguide
1:35-1:40	Batoul Hashemi	McMaster University	Amplification in a hybrid rare-earth Silicon waveguide
1:40-2:00			Judges Deliberation Period