



## 21<sup>st</sup> International Meeting on Chemical Sensors July 11-14<sup>th</sup> 2027

## Sensing of the Future



*We invite you to join your colleagues and friends and fellow scientists at a multi-day, multi-session conference on all aspects of chemical sensing and biosensing in Canada in July 2027. Sessions will include sessions on sensor design, function, response mechanism, miniaturization, manufacture, evaluation and characterization, modeling, applications alone or in sensing systems, and integration with computational and sensing systems. Novel sensors and materials including metal oxides, gas, electrochemical, optical, acoustic, mechanical, magnetic, quantum, MEMS/NEMS, microfluidics and biosensor are also included.*

### Technical Program

- Artificial Intelligence, Machine Learning, Chemometrics
- Chemical and Biosensors, Medical/Health and Wearables
- Gas Sensors
- Hardware-Analytics Co-Design
- Lab-on-a-Chip Sensing
- Optical Sensors and Plasmonics

- Sensors for Agriculture and Environmental Applications
- Sensors for Harsh Environments
- Pathogen Related Sensing, Interfacial Engineering for Sensors, Biomimetic Sensor Systems
- IOT, Infrastructure, Electronics and Signal Processing for Sensors

- Soft Sensors and Sensor Arrays
- MEMS/NEMS Sensors, Materials
- Microfluidic Devices and Sensors
- Additive Manufacturing of Sensors
- Quantum Sensors
- Chemical and Biosensing Materials and Sensing Interface Design
- Sensors for Safety and Energy

### Deadlines

- Abstract submission opens in July 2026
- Abstracts due in November 2026
- Abstracts accepted from September 2026

- Meeting registration opens in September 2026
- Meeting Sponsor and Exhibitor Deadline in April 2027

### Chairs

**Muthukumar Packirisamy**, Concordia University, Montreal, Canada, e-mail: [M.Packirisamy@concordia.ca](mailto:M.Packirisamy@concordia.ca) ; **Kevin Johnson**, Naval Research Laboratory,

Washington, DC, e-mail: [kevin.johnson@nrl.navy.mil](mailto:kevin.johnson@nrl.navy.mil) ; **Peter J. Hesketh**, Georgia Institute of Technology, Atlanta, GA, email: [hesketh@gatech.edu](mailto:hesketh@gatech.edu)

**WEB SITE: [concordia.ca/imcs2027](http://concordia.ca/imcs2027)**