

Fraunhofer-Institut für Elektronische Nanosysteme ENAS

The particular strength of the Fraunhofer Institute for Electronic Nano Systems ENAS lies in the development of smart integrated systems for different applications. Fraunhofer ENAS develops single components, technologies for their manufacturing as well as system concepts and system integration technologies and transfers them into production. The institute offers research and development services from the idea, via design and technology development or realization based on established technologies to tested prototypes.



Advantages

- Design, technology, simulation, modeling and test of MEMS/NEMS
- Integration of nano functionalities, e. g. CNTs, quantum dots, spintronics, memristors
- Methods and technologies for wafer-to-wafer and chip-to-wafer bonding
- Metallization: interconnect systems for micro and nanoelectronics and 3D integration
- Beyond CMOS technologies
- Material and reliability research
- High-performance / high-precision sensors and actuators
- Development of printed functionalities for electronic applications
- Development of microfluidic systems and biosensor integration
- Sensor and actuator systems with control units, integrated electronics, embedded software and user interface

The strategic coordinator, Dr Bianca Milde, will be representing Fraunhofer ENAS in the Cool Silicon Cluster business delegation that will visit Toronto and Ottawa from October 23-27, 2017.

If you are interested in discussing potential business opportunities with Fraunhofer ENAS, please contact:



**Canadian German Chamber of Industry
and Commerce Inc.**

Ms. Theresa Rademacher
Project Manager

480 University Avenue, Suite 1500
Toronto, ON M5G 1V2, Canada

T: +1 (416) 598 7086

F: +1 (416) 598 1840

Theresa.Rademacher@germanchamber.ca

www.germanchamber.ca