

#### **PIC in Canada event**

8 November 2023, 8:00-12:00, Evoluon restaurant

#### Program

Breakfast

Opening remarks with Geneviève Brisson (Québec Office in Brussels) & Ahmed El-Kadars (PhotonDelta)

XECS clusters: Strategies for engaging Canada & Europe

Canadian companies & innovation centers pitches

Poster networking session

Guest talk with Nadja Rohrbach (AENEAS)



OPTONIQUE



Québec 👪



Building on a foundation of Silicon Nitride, we integrate planar MEMS and switching technology to create compelling photonics products

This provides you the capability to crush your business goals with products that are extremely small, fast, and energy efficient

The world moves faster and we help make that happen



Applied Nanotools is a leading supplier of Fresnel zone plates, transmission gratings and calibration standards for microscopy and spectroscopy applications. Our products cover a wide range of energies from the visible and ultraviolet to soft and hard X-rays.

We are also an integrated photonics foundry, offering our NanoSOI Fabrication service to customers worldwide. Our low-loss, high resolution silicon photonic devices have been featured in many publications. We offer multi-project wafer runs and dedicated runs.









**SAFETY and EFFICIENCY** 



Femtum is a unique provider of mid-infrared pulsed

fiber lasers, fiber amplifiers and tunable lasers for

scientific, medical and industrial use.





#### International Presence



Est. 1989







**Key Partners** 

ciena

infusion<sup>®</sup>

ufiSpace



Private Label Optical Solutions



# Supplier of innovative optical transport and open disaggregated networking solutions



Trusted provider of access and metro solutions to telecom operators for over 30 years Innovative and disruptive solutions that challenge conventional approaches



Technical expertise combined with understanding of key business and operational issues

Offer technical and operational excellence to our Customers





Our platform switching technology will take the mmWave spectrum to the

next level, enabling the future of radar, test & measurement, and

communications for 6G and beyond.



## **One Silicon Chip Photonics**

One Silicon Chip Photonics (OSCP) is a fabless Canadian-based integrated optics sensor

company providing inertial navigation sensors for autonomous vehicles.





# PHOTONICS AUTOMATION DESIGN TOOLS



## **Company Background**

- Founded in 1985
- Corporate headquarter located in Ottawa, Canada

Manufacturing facility in Ottawa / Canada, Izmir / Turkey and Jiaxing / China

#### **Ten Product Groups:**

- Laser-to-Fiber Delivery Systems
- High Power Fiber Optic Components
- Polarization Maintaining Products
- Attenuators
- Opto-Electronic Packaging
- Fiber Optic Test Equipment
- Fiber Optic Sensor Systems
- Fiber Optics Components for Gyroscope
- OCT
- BioPhotonics

#### Sales offices in Canada, USA, Europe, Turkey and China

### > Ottawa, Canada



# OT OPTICS

#### Izmir, Turkey



#### Jiaxing, China



# RANOVUS

## Odin<sup>®</sup> Single-chip Optical Engine Platform

Enabling Next Generation Data Center Infrastructure

Ranovus® demonstrates industry's lowest power consumption 800Gbps Ethernet interoperable link to scale AMD adaptive SoCs for AI/ML



WaveRyde Instruments (spinoff of Quantum Valley Ideas Lab) is developing products for

Radio Frequency Test and Measurement using Rydberg Atom Quantum sensors.

The Quantum sensors use an optical system and we anticipate leveraging integrated

photonics to reduce size weight, power and cost in some of the subsystems.

# XANADU

**Photonic Quantum Computing** 

# **CPFC** Canadian Photonics Fabrication Centre

A pure play III-V foundry Semiconductor photonic components Design • Fabrication • Testing • Integration





National Research Conseil national de Council Canada recherches Canada

# Xecs Call 3

PO submission: 18<sup>th</sup> January 2024 FPP submission: 18<sup>th</sup> April 2024

