

LASER World of Photonics Munich 2023 OPTONIQUE

June 27 – 30

MESSE München, Germany

List of Canadian companies at Laser Munich

Canada Pavilion

- A2 Surfaces
- CMC Electronics
- INO
- ITF TECHNOLOGIES
- MPB COMMUNICATIONS
- NRC - Canadian Photonics
Fabrication Center
- RAYTHEON OPTICAL TECH.










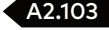

B2.554

PLAN
Hall B2



Individual booths

Québec-based companies

- CASTOR OPTICS  B2.403
- CORACTIVE  B3.449
- EXCELITAS TECHNOLOGIES  B2.310
- FEMTUM  B2.311
- GENTEC-EO  B2.319
- LASER COMPONENTS  B2.319
- LUMIR LASERS  B2.535
- MECADEMIC ROBOTICS  B1.460
- OPTOELECTRONIC COMPENTS  A1.530
- OSELA  A2.103
- TERAXION  B1.435

Canadian companies

- NORCADA  B2.310
- OZ OPTICS  B2.345
- PRECISION SCAN  A3.126
- WDI WISE DEVICE Inc  B2.547
- ZABER TECHNOLOGIES  B2.245

OPTONIQUE: Quebec's photonics industry cluster

More about Optonique

Optonique is a Quebec non-profit organization representing Quebec Photonics Cluster.

Quebec Photonics Cluster's mission is, to strengthen the industry and its research capacity, to foster innovation and creativity, while also representing its members locally and internationally.

Optonique's goal is to mobilize all stakeholders and promote their know-how and technologies around the world.

Where is Quebec?



Located in North America, Quebec is the largest province of Canada! With a population of more than 8 million, Quebec represents one fifth of the Canadian economy and is renowned for its French-English bilingualism.

With over 60 members companies, Optonique is active on numerous projects touching:



INNOVATION



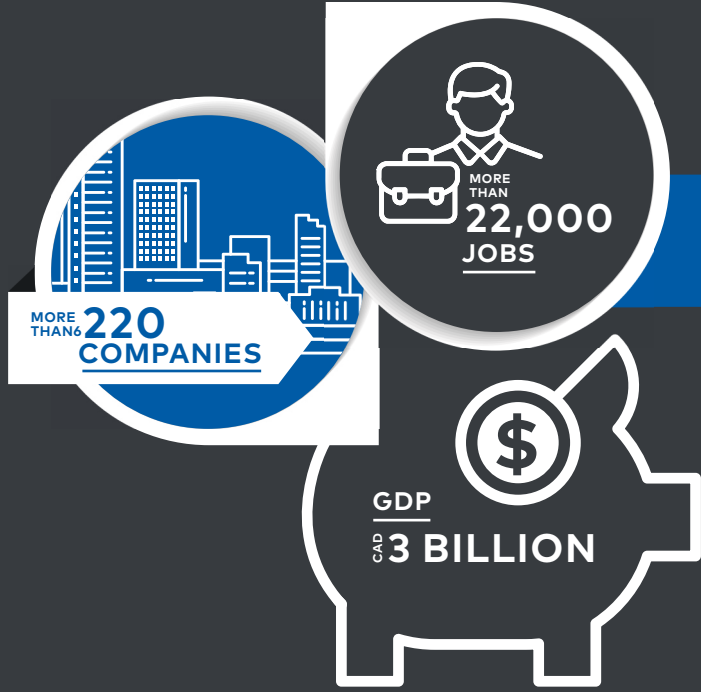
ADVOCACY



EMPLOYABILITY



COMMERCIALIZATION



Overview of Quebec photonics industry

Local Expertise, Global Impact.

THANKS TO OUR PARTNERS



In partnership with



Canada Economic Development for Quebec Regions

Développement économique Canada pour les régions du Québec

OPTONIQUE members

@ *Laser World of Photonics*

- 1** A2 SURFACES
- 2** CASTOR OPTICS
- 3** CMC ELECTRONICS
- 4** CORACTIVE
- 5** FEMTUM
- 6** GENTEC-EO
- 7** INO
- 8** ITF TECHNOLOGIES
- 9** LASER COMPONENTS
- 10** LUMIR LASERS
- 11** MECADEMIC ROBOTICS
- 12** MPB COMMUNICATIONS
- 13** CANADIAN PHOTONICS
FABRICATION CENTER
- 14** OPTOELECTRONIC COMPONENTS
- 15** TERAXION

Find a list of all **OPTONIQUE** members
[Here](#)

OPTONIQUE

Quebec Photonics Cluster

As Quebec's photonics cluster, Optonique thrives to develop, strengthen and connect the industry, while building sustainable bridges with academic, technology transfer and governmental actors. Optonique supports the photonics industry in fostering innovation and creativity, while making the technology and expertise of its members shine both locally and internationally.

Optonique strongly values local as well as global collaboration to advance the photonics industry. Connecting its network with those abroad is key in carrying out its mission.

Become an international member of Optonique now!

Reach out to us!

Madison Rilling, PhD
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Jean-Christophe Gauthier, PhD
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& Industry Promotion Director*
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Édith Ducharme, M.Sc.A.
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Headquarters 2740 rue Einstein, Québec City (QC) G1P 4S4

Montreal Office 1111 rue Notre-Dame O, Pavillon B, suite B-0710, Montreal (QC), H3C 6M8





A3 Surfaces is a value-added surface treatment company that has developed 2 main line of services : A3S, its Anodized Antimicrobial Aluminum line and A2S, its anodized aluminum line. We have developed a velvety deep black for optics and photonic needs. Our unique anodizing process has no impact on dimensional tolerances, avoiding masking and sandblasting.

A2 Surfaces also caters to the military field with hard anodization and black mat coatings. The company specializes in the anodic treatment of aluminum surfaces through its sister division, A2S: anodized aluminum.

We offer:

- Hard anodizing;
- Soft (architectural);
- Optical black (THR 1.5-3.5%);
- Military matte black;



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Maxime Lamirande

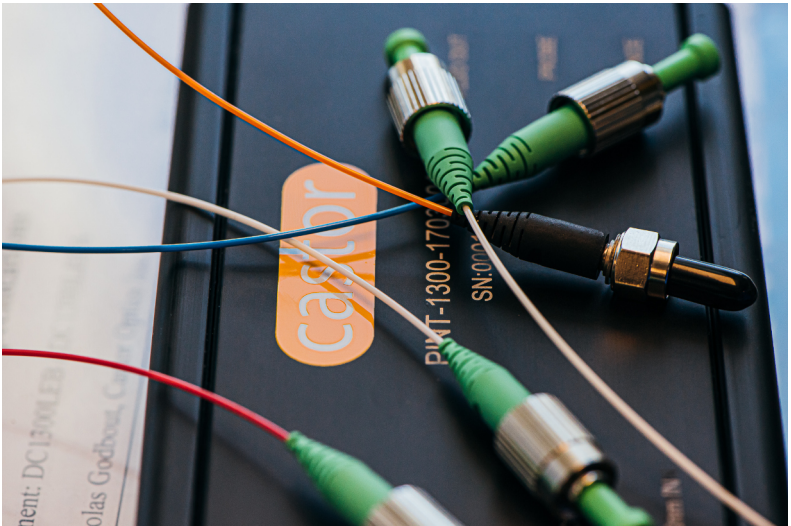
Commercial Director

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castor

Castor Optics is an emerging Quebec-based company focused on the research, development, and manufacturing of innovative fiber optic components. Our product offering allows our customers to design high performance detection systems in contexts where the detected signal is extremely weak.

This is enabled by our fiber optic couplers that capture more light and transmit it more efficiently to the detection module. Our exclusive couplers are based on technologies patented by Castor Optics and/or licensed from academic institutions. The manufacturing is done entirely in Quebec.



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Nicolas Godbout

co-founder

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Backed by more than 50 years of hybrid circuit manufacturing experience and well known for its high-reliability state-of-the-art microelectronic circuits and optoelectronic components, CMC Electronics designs, manufactures, and qualifies complex hybrid microcircuits and optoelectronic devices for a large array of aerospace and industry applications around the world. Our respected and experienced engineering team works hand-in-hand with customers to fully understand their needs and priorities. This approach results in reliable and robust designs that meet even the most demanding customer specifications.

Based in Montreal, Canada, the company also has facilities in the USA serving its customers worldwide.



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Bernicy Fong
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At Coractive, we're constantly designing and innovating to manufacture specialized optical fibers so our customers can become and remain leaders in their markets. With the mission of making a difference and developing innovative optical fiber technologies for the world of tomorrow, we are proud to provide the highest quality optical fiber solutions.

In answer to the specific needs of customers in the industrial, telecommunications, detection (LiDAR), medical and scientific markets, Coractive relies on a network of distributors in North America, Europe and Asia.

Founded in 1998 and based in Quebec City, Canada, Coractive's team of specialists have since helped to deliver tried and tested solutions throughout the world.



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Julien Roy

Product Line Manager

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BOOTH B2.311

femtum.com

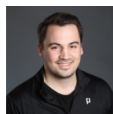
FEMTUM

Femtum brings the first generation of mid-infrared fiber lasers to the market. These pulsed lasers enable new precision processing capabilities on non-metallic materials (thin films patterning, polymer and semiconductors processing) to increase the manufacturing yield and ROI in the high-tech manufacturing sector. Scientific and R&D applications also benefit from these simple and turn-key lasers emitting from 2.8 to 3.5 microns.



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Louis-Rafaël Robichaud

CEO

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LASER MUNICH 2023

gentec-EO

PARTNERS for ACCURACY

Gentec-EO is the leader in laser measurement for the most demanding applications. We design and manufacture a complete range of laser power and energy meters, high speed joulemeters, THz sensors, beam diagnostics and custom measurement solutions. We are also known as the first worldwide supplier of large aperture calorimeters to measure the highest pulse energies. With a 50-year track record of innovation and providing quality solutions for laser power and energy measurement applications, Gentec-EO stands ready to serve you now and in the future.



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Charles Dumas
International sales director
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INO is the largest center of expertise in optics and photonics in Canada and is among the best technological research centers in the world. For the past 30 years, it has created and developed innovative and valuable solutions to meet the needs of businesses in Quebec and throughout Canada. A world leader in high technology, INO has implemented more than 6,500 solutions, carried out 75 technology transfers, and contributed to the creation of 35 new companies.

Through multiple light applications, from laser and fiber optics technologies to imaging systems, INO controls light to capture, identify, predict, decide or transform the real world. Its innovative solutions support Canadian businesses through four business units: Biomedtech; Defense, Security and Aerospace; Sustainable Resources, Agriculture and Infrastructures; and Advanced Manufacturing.



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Catherine Elie

Marketing Advisor

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BOOTH B2.554

itftechnologies.com



ITF Technologies is a global technology leader in designing and manufacturing quality products, subsystems, components, and photonic modules for telecom and industrial applications while exceeding our customers' expectations. To achieve this objective, ITF Technologies innovates in the fields of fiber Bragg gratings, fused components, fiber lasers, LiDAR, and optical sensors.



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Julien Gagnon

Product Line Specialist

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LASER MUNICH 2023

BOOTH B2.319

lasercomponents.com



Since its establishment in 1982, LASER COMPONENTS has always defined itself as a solution provider for optical and optoelectronic technologies. The customer spectrum of the owner-managed family company covers all industries that utilize light.

With more than 280 employees at seven locations on two continents, the company group generates around 60 percent of its sales with products from its own production including laser optics, avalanche photodiodes, pulsed laser diodes (Laser Components Canada, Inc. is located in Vaudreuil-Dorion, Quebec), IR detectors, pyroelectric detectors, laser modules, photon counters and fiber optic assemblies.



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Eric Desfonds

Product management director

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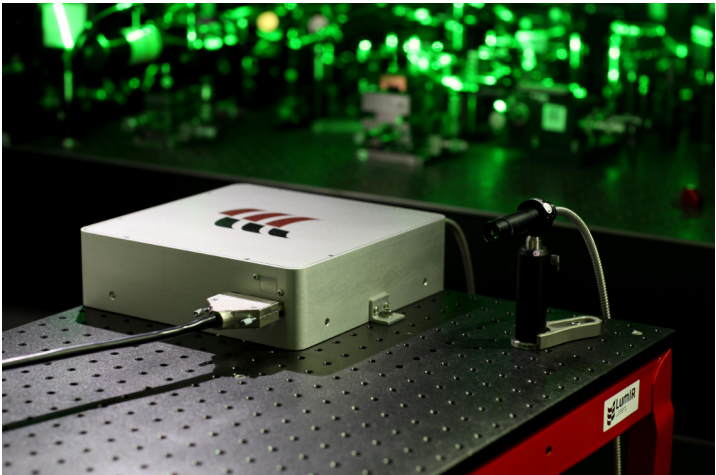
LASER MUNICH 2023

BOOTH B2.535

lumirlasers.com



Established in 2019 at the heart of the Canadian optical hub in Quebec City, LumIR Lasers is a disruptive start-up company born of a partnership between world-leading scientists at the Center for Optics, Photonics and Lasers (COPL) and the world's foremost provider of mid-infrared fibers and components, Le Verre Fluoré inc. Our goal: to democratize the technological marvels of the mid-infrared and bring about a new laser revolution in all sectors of industry, from the production line to the operation room.



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Louis-Philippe Pleau

CEO

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BOOTH B1.460

mecademic.com

MECADEMIC

INDUSTRIAL ROBOTICS

Mecademic Robotics makes the world's smallest, most compact, and precise industrial robot arms. Mecademic's flagship product, the six-axis Meca500 robot arm, is being used in over 40 countries. Mecademic's customers include some of the world's leading brands, as well as disruptors in the aerospace, automotive, manufacturing, medical, jewelry, and electronics industries.



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Gabriel Boucher

Application scientist

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LASER MUNICH 2023



MPBC is a leading supplier of innovative, high-performance photonics solutions. We specialize in offering our customers fully tailored solutions that meet their demanding or unique applications.

We are an innovator of fiber lasers for research, biomedical, industrial, and inspection applications. Our laser product line includes over 60 visible and NIR lasers, as well as single-frequency systems, and pulsed (ns, ps, and fs) fiber lasers; all with a reputation for unsurpassed beam quality, reliability, and stability. We also provide state-of-the-art subsystems to extend the reach of telecommunications optical fiber spans (submarine and terrestrial) and offer specialty high-power amplifiers for satellite communications and optical ground stations.

MPBC has an international reach with a global customer base of blue-chip companies in the industrial, research, defense, and telecommunications sectors.

Canada



National Research
Council Canada

Conseil national de
recherches Canada

CPFC (Canadian Photonics Fabrication Centre) is a III-V Pure Play foundry, focused on photonic device development and commercialization offering epitaxy to fabrication services to a global industrial client base.

Complex high performance devices, custom EPI and multi regrowth, integration strategies and custom process development are part of the toolkit.

Lasers (communications and sensing), OSA, Modulators, Detectors and PICs.



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Michael Davison

Director of business development

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OEC

OptoElectronic Components

OEC is an experienced partner specializing in Photon Counting Detectors and Applications. Our expertise lies in providing cutting-edge detectors from Micro Photon Devices, offering exceptional features such as 30ps timing resolution, superior detection efficiency, low dark counts, and minimal afterpulsing. Additionally, we offer PicoQuant's Multichannel Picosecond Event Timers with up to 64 detector channels, enabling independent and precise timing of photons.

Our product range extends to Single Photon Counting detectors based on Superconducting Nanowires from Quantum Opus. We have also partnered with Quandela. Their Single Photon Source delivers high-brightness, high-purity photons on-demand. Furthermore, we provide QuiX Quantum's Photonic Processor, a universal multimode tunable interferometer designed for Quantum Computing and Quantum Networking.

To enhance our Photon Counting detectors and TCSPC electronics, we offer NIREOS' novel interferometer, enabling Time-Emission Spectra analysis for applications like Time-Resolved Photoluminescence.

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Nick Bertone

President

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BOOTH B1.435

teraxion.com

TeraXion

An indie Semiconductor Company

TeraXion is a leader in the manufacturing of innovative photonic components that incorporate fiber Bragg gratings, low noise lasers and integrated photonics. FBGs have been the cornerstone of our offering for more than 20 years and TeraXion has successfully applied this technology in four different markets, reaffirming FBGs' potential in countless highly advanced applications. Beyond our technology portfolio, our true strength stands in our ability to transform and evolve existing technology to meet our customers' changing needs. This unique expertise and market-orientation has led TeraXion to manufacture over 500 000 leading-edge photonic components. Our partnership approach to doing business and our team of over 65 researchers and engineers make us a prime designing and supplying partner for leading companies involved in light and heavy manufacturing, telecommunication, medical equipment, and aerospace and defense



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Mélanie Fleming
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LASER MUNICH 2023

Join us !

OPTONIQUE'S



INTERNATIONAL NETWORKING RECEPTION

- **June 28th**
- **4 - 5 pm**
- **Canada Pavilion B2.554**

Drinks will be served onsite

RSVP here today!

In partnership with :

Canada

INO



LASER
World of Photonics
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OPTONIQUE

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MESSE München, Germany



In partnership with

Québec 

Canada 