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January 2026



## **FABrIC Challenges: Accelerating Made-in-Canada Tech**

**Fabrication Challenges** invite Canadian industry and academia to boost domestic prototyping and manufacturing capacity. FABrIC supports the commercialization of novel, made-in-Canada semiconductors and sensors across strategic sectors—from EVs and AI to Agri-Tech and Healthcare.

### **Round 2 is Now Open, focusing on:**

- **Commercial Prototyping** (MEMS, Compound Semiconductors, Quantum, and Photonics) via Canadian Research Institutes.
- **Silicon Photonics**

[Information Session: February 6](#)



[CMC Microsystems Launches New Superconducting Quantum Fabrication Service with 3iT to Bolster Canadian Technology Sovereignty](#)



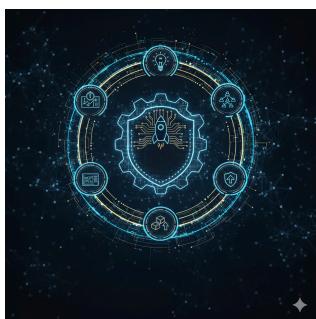
[Invest Nova Scotia Accelerate is now open for submissions.](#)



[Canadian Space Agency opens opportunity with \\$12 million for space tech innovation](#)



[Minister Joly announces over \\$240 million to boost defence innovation support for Canadian small and medium-sized businesses developing dual-use technologies](#)



ventureLAB's [Investment Readiness Program](#) empowers hardtech and deeptech startups to raise with confidence. It equips founders with the strategy, structure, and support needed to attract capital.



## Global Quantum Education (GQE)

GQE was created to democratize access to quantum education and build a global talent pipeline capable of driving equitable innovation in every sector—from climate and health to computing, cryptography, and beyond.



## Call for Proposals in Advancing the Commercialization of Genomics Innovation



Join the IC Taiwan Grand Challenge for a chance to win USD 30000 and collaborate with the Taiwan semiconductor ecosystem

# Events



## [2026 IEEE International Solid-State Circuits Conference \(ISSCC\)](#)

February 15-19, 2026 San Francisco, CA



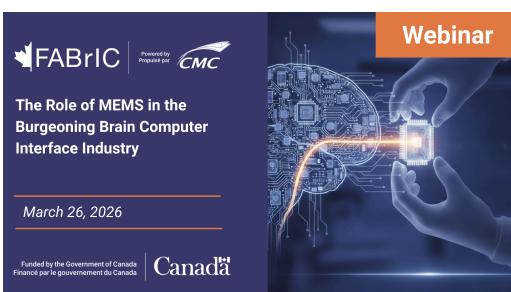
## [2026 Quantum Days](#)

February 18-20



## [Introduction to PreFab Photonics: AI-Powered Virtual Nanofabrication for Your Next Tape-Out](#)

February 24



## [The Role of MEMS in the Burgeoning Brain Computer Interface Industry](#)

March 26



## [IEEE SiPhotonics 2026](#)

April 13-15



## [CHIPS NORTH Executive Summit](#)

May 4-5



## [Photonics North 2026](#)

June 2-5

# Training



**AI FOR DECISION MAKERS**  
BOLD NEW EDGE

**TRANSFORM INTO AN  
AI-READY ENTERPRISE  
IN JUST 8 WEEKS!**

## Your blueprint for AI-driven growth

Work one-to-one with dedicated, applied-AI experts to design, validate, and package an investment-ready project and roadmap—so you deliver measurable results in weeks, not quarters.



## 2026 Microfluidics Professional Course

July 8-10

## Prototyping



## ***Upcoming Fabrication Deadlines***

Looking to prototype your chip or circuit design without breaking the bank?

Multi-Project Wafer (MPW) services offer a smart, cost-effective way to fabricate and test your design by sharing wafer space with other projects. You get access to advanced fabrication technologies, faster turnaround times, and reduced risk—perfect for startups, researchers, and innovators. MPW helps you validate your ideas before scaling to full production, all while benefiting from expert support and a collaborative ecosystem. It's innovation made accessible

[View our full technology selection online.](#)

## **Microelectronics**

- 22nm CMOS FDX (*GF*): February 10 / March 10
- 65 nm CMOS GP (*TSMC*): February 10 / April 10
- 12LP FinFET (*GF*): February 10 / May 11
- 0.18  $\mu$ m CMOS (*TSMC*): March 10 / May 11
- 45SPCLO (*GF*): March 10 / June 10
- 55nm / 28nm CMOS SLP (*GF*): April 10 / July 10

MEMS

- PolyMEMS (Science): March 10, 2026
- PiezoMEMS (Science): April 10, 2026
- MIDIS (Teledyne MEMS): April 10, 2026

**Photonics & Optoelectronics**

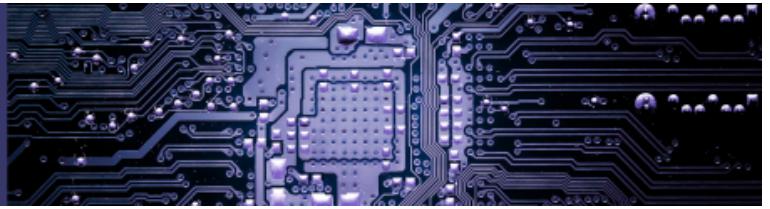
- Applied Nanotools NanoSOI (*ANT*): February 10 / April 10 / June 10
- Applied Nanotools Silicon Nitride (*ANT*): February 10 / March 10 / May 11
- AMF Si Photonics (*AMF*): February 10

## MicroFAB Access

MicroFAB Access supports custom microfabrication projects at open-access facilities across Canada. Submission deadlines are the 10th of each month.



# Design Environment



## Need more power? Run simulations on the Alliance Cloud

Don't let hardware limitations slow down your research. CMC subscribers can now bridge the gap between their **Digital Research Alliance of Canada** compute nodes and CMC's license servers. Scale up your simulation capabilities today.

[Get the details here](#)

## FABrIC Member Zone



Unlock the full potential of Canada's semiconductor ecosystem by becoming a FABrIC Member—it's free and open to industry professionals, non-profits, government agencies, and researchers or students from Canadian post-secondary institutions. Members gain exclusive access to services like challenge calls, IP repositories, training discounts, and collaborative opportunities across quantum, microelectronics, and advanced manufacturing. Whether you're driving innovation or scaling your business, FABrIC membership connects you to the tools, talent, and insights needed to lead in critical technologies. [Join FABrIC](#)

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