



CENTRE FOR RESEARCH IN PHOTONICS

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The CRPuO at the University of Ottawa is at the forefront of photonics research in Canada and is one of the top research centres of its kind in the world. Building on the University's strengths in physics, chemistry, electrical engineering and medicine, this multidisciplinary centre is developing the next generation of applications in photonics.



Cutting-edge research, from fundamentals to applications, is at the heart of the CRPuO, including:

Foundations

- Optical physics
- Nanoscience
- Biomedicine

Solar Energy

- High efficiency photovoltaics

Broadband for all

- Agile networks
- Microwave Photonics
- Embedded photonic systems
- Emerging device technologies

Instrumenting the world

- Sensors
- Sensor networks



FACILITIES

The CRPuO houses state-of-the-art research facilities including individual research labs for our members and 2 core facilities, both open for business: the NanoFab - a nanofabrication and characterization facility, and the SUNLAB - Canada's premier solar cell characterization research facility.



MEMBERS

CRPuO members include top minds in the field who hold prestigious research chairs, are recipients of numerous research prizes, and Fellows of recognized societies, attracting the best students, post-doctoral fellows and research assistants.



PARTNERSHIPS

Many well-known companies, small and medium enterprises, federal research labs and universities around the world have partnerships with our members. Several of our members have launched companies, reflecting the wide range of new applications for photonics research and putting the CRPuO at the forefront.

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