

REPOL stands for "Regroupement des Étudiants en Photonique et Optique de Laval" and represents the students in optics and photonics at the COPL (Center for optics, photonics and lasers) research center, Université Laval, Quebec City, Canada. This group is affiliated to the student sections of SPIE and OSA. More information about our activities is available at www.repol.copl.ulaval.ca.

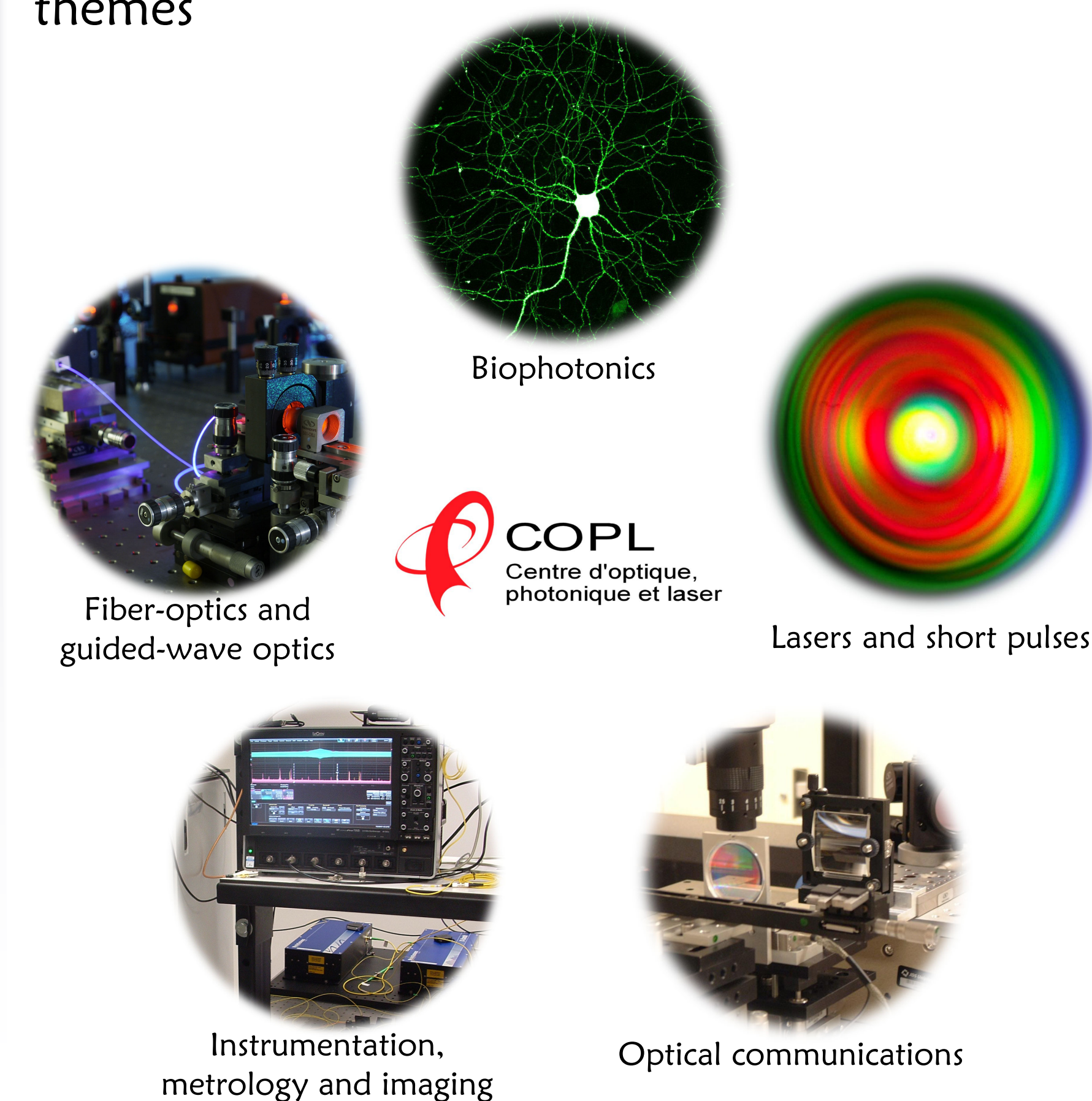
For over 50 years now, Université Laval has trained specialists in optics and photonics. At Université Laval, students in optics and photonics are provided with:

- State-of-the-art facilities (>16M\$ in equipment 4,500 m² of clean rooms.)
- The only building on a university campus in Canada devoted to optics and photonics
- Experienced technical staff
- 21 professors and over 200 graduate students
- An incomparable academic experience



Over the years, the COPL has carved out a reputation as a first-class research center in optics and photonics. Its very first researchers were pioneers in the development of this field in Canada.

Research at the COPL focuses on 5 major themes



Les Jeux Photoniques (The Photonic Games) consist in an annual competition during which teams of high school students (grade 11) oppose each other in optics-photonics challenges.



Solar car race

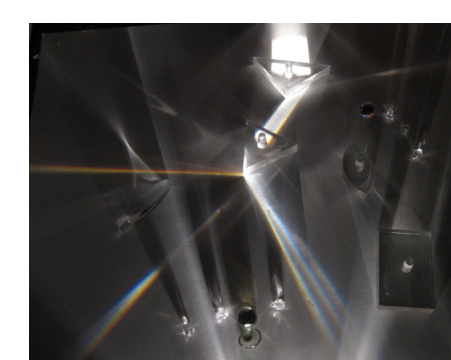


Photo contest



Lab tour



Optical mini-golf



Photonic quiz



Les Filles et les Sciences (Girls and Science) is an annual activity promoting science for high school girls. These young girls have the opportunity to discover science and technology through interactive stands and workshops.



Fresnel lenses are huge!



Optical communications



NEMO diffraction kit



A busy stand about optics



Terrific telescopes

REPOL

Université Laval Student Chapter, Québec, Canada



Photonics ToolKit, which was organized by REPOL and the Montreal Student Chapter, consisted in three days of conferences and workshops for graduate students in optics-photonics.



Cocktail with the experts



Discussion panels, workshops and tutorials



Lab tours



Great networking opportunities

Our student chapter also invites speakers for short courses and technical presentations. We will help coordinate the Biophotonics week in Quebec (September 22-30, 2010).



Melissa Marshall, presenting "The Craft of Scientific Communications"

Every year, we hold a student paper competition. In 2008, the participating students presented their research to a jury composed of two professors and a post-doc.

We thank all the participants for their excellent work and hope that many will participate next year.



Gilles Fortin (center), recipient of the 2008 REPOL-COPL Grant

The Quebec City area is an optics and photonics hub; many industries are available for us to visit. REPOL organizes 2 to 4 industrial visits per year for Université Laval students. Recently, we visited ABB Bomem, EXFO, Telops, INO and Olympus.



REPOL plans and carries out most of the networking and social events at the COPL.



We celebrated the 20 years of the COPL this spring, and also the 10 years of CIPI, the Canadian Institute for Photonic Innovation.



We provide games and animation at the annual Christmas Party...



and organize barbecues, grad-undergrad bridging nights, and a lot more!

