



Post-Doctoral Fellowship, COPL, Université Laval

Next Generation Optical Fiber Amplifiers

We investigate numerical techniques to improve the design of doped fiber, fabricate optical fibers in our own laboratories with novel materials, and perform thorough experimental characterization, including measurements using high bit rate transmission test-beds. Our research will enhance performance and capacity of optical networks.

We seek an experienced researcher to contribute to doped fiber design and optical amplifier test. Interested candidates should have a PhD with relevant experience in simulations or experimental research in the field of optical fibers. Candidates should have good communications skills, oral and written, in English or French.

This is a multiple-year position. The candidate will work under the supervision of Prof. Sophie LaRoche at the Centre for Optics, Photonics and Lasers (COPL), Université Laval. Competitive salaries commensurate with experience will be offered.

The COPL is a multidisciplinary research centre comprising 21 faculty members and nearly 200 researchers (students, post-doctoral fellows, research professionals and faculty members). Université Laval is located in Québec City, Canada, a UNESCO world heritage site. Québec city offers a wide variety of cultural activities and easy access to outdoor activities. Please send your curriculum vitae, academic records, statement of interest and the name of three references to sophie.larochelle@gel.ulaval.ca.

Sophie LaRoche

Canada research chair – Advanced photonic technologies for communications

Professor, Electrical and Computer Engineering, Université Laval

Director, COPL

Optical communication laboratory

<https://lco.fsg.ulaval.ca/>

sophie.larochelle@gel.ulaval.ca