



Post-Doctoral Fellowship

Machine Learning Empowered Optical Communications

We explore the application of machine learning techniques for high capacity optical communications. We seek a postdoctoral fellow responsible for the design and implementation of machine learning algorithms in optical communication systems. We will test, characterize and run system experiments on optical communication systems built in our laboratory. Interested candidates should have a solid background in machine learning and basic knowledge in communication theory. Candidates should have good communications skills in English and/or French.

This is a multiple-year position. The candidate will work under the supervision of Prof. Leslie Rusch and Prof. Ming Zeng at the Centre for Optics, Photonics and Lasers (COPL), Université Laval. Salaries will be commensurate with experience, ranging from \$55,000-\$80,000 per year.

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 wen.zhang.1@ulaval.ca.

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