

Opportunities for PhD and Master's studies in optical networking

(ÉTS – Montréal, Canada)



The Network Technology Lab (*Laboratoire de technologies de réseaux*) at the *École de technologie supérieure (ÉTS), Université du Québec* (Montreal, Canada), invites applications for PhD and Master's student positions in the area of AI-assisted photonic telecommunication networks.

We seek strongly motivated individuals who are eager to work in interdisciplinary research environment. Candidates with strengths in optical telecommunications, machine learning, data analytics and programming, as well as good levels of critical analysis and communicative abilities, are especially encouraged to apply. These research projects will be performed in collaboration with research partners (systems vendors, network operators) from the telecom industry. Stipends and industrial internships will be available for eligible students.

The ÉTS (<https://www.etsmtl.ca>) is a young and dynamic engineering-only institution with a strong industry-oriented mindset focused towards applied research. With its main campus located in downtown Montreal, the ÉTS can provide a vibrant multicultural environment with a strategic access to several major industrial and academic research partners.

Current opportunities (2021-2022):

Project 1 - Smart optical networks enabled by machine learning (*PhD*)

Project 2 - Failure detection methods for optical networks based on machine learning (*PhD, Master's, Mitacs industrial internships*)

Project 3 - Long-term forecasting of optical quality of transmission (*PhD, Master's, Mitacs industrial internships*)

Candidates must hold a Bachelor or MSc degree in electrical engineering, engineering physics, computer science or a related discipline.

Applications shall be sent via e-mail to Prof. Christine Tremblay christine.tremblay@etsmtl.ca. Applicants should submit their resume, a copy of their academic transcripts, as well as a letter of motivation and a list of two references.

For more information on the Network Technology Lab and the current openings for graduate studies, contact Prof. Tremblay or visit her homepage at <http://profs.ele.etsmtl.ca/ctremblay>.