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POLYTECHNIQUE
MONTRÉAL

LE GÉNIE
EN PREMIÈRE CLASSE



Opening for 2 PhD positions in the Light-Matter Group at Polytechnique Montréal.

The Light-Matter Group at Polytechnique Montréal (www.light-matter.ca) currently has openings for 2 PhD students **starting in Fall 2023**.

Polytechnique Montréal is an Engineering university located in the heart of Montréal, with an enrollment of nearly 10,000 students and the 3rd most active Engineering faculty in Canada in terms of research funding. Students in the Light-Matter Group can be enrolled in either Engineering Physics (<https://www.polymtl.ca/phys/en>) or Materials Engineering. Our group is committed to equity and inclusion and values diversity, open-mindedness and collaboration. We encourage all qualified candidates to apply, especially women, Indigenous persons, racialized persons/visible minorities, LGBTQIA2+ folx and persons with disabilities. Accommodations can be provided at Polytechnique Montréal upon request.

The **Light-Matter Group** studies the fundamental processes that take place in new materials with the aim of developing state-of-the-art optoelectronic devices. In the group, you will be part of exciting projects that range from studying exotic quantum electrodynamic effects to making record-performance optoelectronic components. Students have access to >150M\$ in worldclass nanoscience infrastructure on Campus, be part of two Québec-wide research clusters: RQMP and INTRIQ, which organize biannual workshops, industry meetups, summer and winter schools, and networking events between students and industry across a broad range of topics. Students also have the potential to participate in one of two graduate student training programs: QSciTech focussed on quantum technologies and SEED, focussed on sustainable electronics.

Role: One project will focus on developing quantum light sources based on two-dimensional materials. Another will focus on studying an exotic regime of light-matter interaction to modify the physical processes that take place within the organic molecules used in semiconductor devices.

Applicants should contact Prof. Stéphane Kéna-Cohen (s.kena-cohen@polymtl.ca) **before October 31st** with a cover letter, a copy of their CV, a copy of their transcripts and include “*PhD Application*” in the subject line.