



ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE



PhD position on Photonic Crystals

A PhD student position is available at the Laboratory of Quantum Optoelectronics in the field of planar photonic crystals. Planar photonic crystals consist of 100 nanometer sized arrays of holes etched in a planar semiconductor waveguide. Such structures exhibit very particular properties for light propagation or confinement.

The subject of the thesis will concern some theoretical but mainly experimental aspects with a special emphasis on one specific point such as processing, optical measurements or photonic crystal structure design. During the course of the PhD, the activity can evolve towards device-oriented applications in integrated optics as well as basic science like superresolution imaging, slow light and very high quality factor optical cavities.

Starting date: Spring 2009

For more information on:

EPFL : www.epfl.ch The doctoral schools at EPFL: phd.epfl.ch/

The EPFL doctoral school in physics: phd.epfl.ch/page55518.html

The EPFL doctoral school in photonics: phd.epfl.ch/page55517.html

The Institute of Photonic and Quantum Electronics: ipeq.epfl.ch

For more information or to send application, please contact :

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