



Centre de Nanosciences et de Nanotechnologies

# Séminaire

**Vendredi 08 septembre**

11 heures

Salle 44 (P. Grivet) du C2N site Orsay

**Dr. Pascal Landais**

School of Electronic Engineering, Dublin City University

"Characterization and applications of passively mode-locked semiconductor lasers"

Résumé:

Passively mode-locked semiconductor lasers are multimode lasers able to generate short pulses ( $\sim 2$ ps) at a repetition rate of 40 GHz even though they are dc biased. In the first part of this presentation an overview of mode-locking techniques will be given, and then some applications and results lasers will be showed.