



□ 講演会

Optics and Nanotechnology at UTT

日時: 2014 年8月1日(金)14:30~15:40

場所: 室蘭工業大学 本部棟 大会議室

講師: フランス・トロア工科大学教授

Dr. Gilles Lérondel

(ジレス・ルロンデル 博士)

After a brief introduction of the University of Technology of Troyes one of the three universities of technology in France, the ONT (Optics and Nanotechnology) research and international training programs will be presented. We will emphasize on material sciences, instrumentation and numerous applications (telecommunications, energy, sensing) related to light-matter interaction control at nanoscale.



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Troyes

**Prof. Gilles Lerondel,
University of Technology of Troyes (UTT)**

Education: MSc and PhD in condensed matter Physics (Joseph Fourier University, Grenoble)

Career path: At UTT since 2000, Full Professor of Condensed Matter Physics, joint Department of Materials, Mechanics and Nanotechnology, head of the Nanophotonics group, laboratory for Optical Instrumentation and Nanotechnology.

NSC (National Science Council) fellowship in 2010, NCU-Taiwan. ARC (Australian Research Council) fellowship in 2002, University of New South Wales. JSPS (Japanese Society for the Promotion of Science) fellowship in 1999-2000, University of Tohoku.

Has coordinated and participated to 12 national and international projects. Author of 140+ papers and inventors of 15 patents. Co-chair of the Nanophotonic materials symposium (SPIE Nanoscience and Nanotechnology Conference).

Since 2004, master and PhD programs in Optics and Nanotechnology coordinator.

Elected Member of the University Board.

Relevant publications:

- [1] “ Efficient pump photon recycling via Gain assisted Waveguiding Energy Transfer (G-WET) “ ACS Photonics 1 (3), 246 (2014).
- [2] “ Nanofabrication for plasmonics “ (review paper) Springer Series in Optical Sciences, 167, 269 (2012)
- [3]“ Wavelength-scale stationary-wave integrated Fourier transform spectrometry ” Nature Photonics, 1, 473, (2007)
- [4]“ Near-Field Photochemical Imaging of Noble Metal Nanostructures ” Nanoletters, 5 (4), 615, (2005)
- [5]“Porous silicon lateral superlattices” Applied Physics Letters 71 (2), 196 (1997)

