

**TELECOM**  
ParisTech



**IEEE Lasers and Electro-Optics Society  
French Chapter/Chapitre Français  
Seminar announcement/Annonce de séminaire**

**Title/Titre: Recent advances in quasi-phase-matching nonlinear optics**

**Speaker/Orateur: Sunao Kurimura**, National Institute for Materials Science, Tsukuba, Japan

**Date :** Monday Sept 29, 2008 at 10:30 a.m/ Lundi 29 sept 2008 à 10h30.

**Location/Lieu:**

**TELECOM ParisTech**

**Ecole Nationale Supérieure des Télécommunications, CNRS/LTCl**

46 rue Barrault, 75634 Paris Cedex 13

Room/Pièce : amphithéâtre Grenat

Getting there :

<http://www.enst.fr/en/tools/address/>

Comment s'y rendre :

<http://www.enst.fr/outils/adresse/>

**Abstract/Résumé:**

Recent progresses in quasi-phase-matched nonlinear optical devices will be reviewed in 0.26 – 6  $\mu\text{m}$  wavelength range. Bulk and waveguide devices based on  $\text{LiNbO}_3$ ,  $\text{LiTaO}_3$ , and quartz are applied to various nonlinear interactions such as second-harmonic generation, optical-parametric oscillation, and difference-frequency generation. The killer devices will open new horizons in the novel application field.

**Biographie/Biography**

Sunao Kurimura received the B.D. and M.D degrees in physics in 1988 and 1990, respectively, and the Ph.D. degree in engineering in 1997, all from Waseda University in Tokyo, Japan. He joined Fujitsu Laboratories, Inc. as a Researcher in 1990. After working three years in Fujitsu, he returned to Waseda University. He was a Visiting Scholar at Stanford University, Stanford, CA, from 1997 to 1999 and joined the Institute for Molecular Science in 1999. Since 2001, he has been working in the National Institute for Materials Science, Ibaraki, Japan, as a Senior Researcher. He is concurrently working in Waseda University and Kyusyu University, Japan, as an Associate Professor. His interest ranges from material science to optoelectronics and currently focuses on nonlinear optical bulk and waveguide devices. Dr. Kurimura received Funai Promotion Award for Information Technology in 2008.

**For more information, please feel free to contact / Pour tout renseignement complémentaire, merci de contacter :**

Philippe Gallion, TELECOM ParisTech,

Téléphone : (33) 1-45-81-77-02 Fax: (33) 1-45-89-00-20

email : [gallion@ieee.org](mailto:gallion@ieee.org)

French LEOS Chapter Website : <http://leos-fr.enst.fr/>