

Research Seminar

Titles

Diversity of optical signal processing led by optical signal form conversion

Speaker: **Professor Tsuyoshi Konishi,**

Osaka University, Osaka, Japan

Institut de Optique, France (visiting professor)

Time: **11 am, 27 November, 2009 (Friday)**

Place: G19/20,

Earl Mountbatten Building,

Heriot Watt University

Abstract,

This talk reviews opportunities of optical signal form conversion in optical signal processing. Especially, we emphasize time-space conversion based on time-frequency transform. Several examples of typical ultra-fast optical signal processing using optical signal form conversion are described and their applications are introduced in respect to photonic networks, ultra-fast measurement, and so on.

Short bio.

Tsuyoshi Konishi received the B.E., M.E., and Dr.E. degrees in applied physics from Osaka University, Osaka, Japan, in 1991, 1993, and 1995, respectively. He became an Assistant Professor in the Graduate School of Engineering (GSE), Osaka University, in 1996 and is currently an Associate Professor in the Division of Advanced Science and Biotechnology. Now, he is staying in Institut de Optique (France) as a visiting professor for his sabbatical term. His present research interests are in the area of ultrafast optical signal processing. He received the Best Paper Award from Japanese Society of Applied Physics in 2006. He serves as the Associate Editor of the Japanese Journal of Applied Physics. He served as an ex-International Relation Representative of Optical Society of Japan and the ex-chairman of the Optics for Photonic Networks Research Group.

All are welcome!

For information, please Contact:

Dr. Xu Wang,

EECE Department

School of Engineering and Physical Sciences

Email: x.wang@hw.ac.uk

Tel: +44-131-451-3775

Fax: +44-131-451-4155

URL: www.eps.hw.ac.uk/~xw66