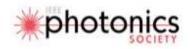


University of Pavia

Ph.D. School of Electrical and Electronics Engineering and Computer Science



IEEE

Photonics Society Italian Chapter

SEMINAR

Photonics Technologies and Coherent Systems for Innovation of Telecom Italia Optical Transport Networks

Marco Schiano TELECOM ITALIA

30/5/2012, h 11, Aula Seminari, floor D Dipartimento di Ingegneria Industriale e dell'Informazione

The new Telecom Italia network 'Kaleidon', based on ROADM and coherent DWDM systems, represents the main optical network for very high speed transport in the coming years.

This presentation offers a survey of applications on the following topics:

- Transmission systems based on phase modulation and coherent Detection
- Wavelength switching photonics networks
- Optical superchannels and next generation photonics networks

Marco Schiano is in the Transport Innovation group of Telecom Italia where he works on the progress of backbone and metro networks. He has been the Coordinator of the IST-NOBEL project funded by the EC. His current interests include transparent optical networks, ultra-high capacity transmission systems, and network dimensioning and optimization. He is co-author of more than forty publications and four patents.

Organizers

Ph.D. Coordinator

Prof. Silvano Donati,

Prof. M. Calzarossa

Prof. Valerio Annovazzi

The seminar will take place in Italian For more information: valerio.annovazzi@unipv.it