



IEEE Photonics Society (Formerly IEEE Lasers and Electro-Optics Society)
French Chapter/Chapitre Français
Seminar announcement/Annonce de séminaire

Title/Titre « Photonic Switching – a good future for Optical Networks »

Speaker/Orateur **Dr. Rudge Barbosa (Felipe).**
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Date : **Mardi 14 février 2012 à 10h/Tuesday February 14, 2012 at 10.00 a.m.**

Location/Lieu: **TELECOM ParisTech**
Ecole Nationale Supérieure des Télécommunications, CNRS/LTCI
46 rue Barrault, 75634 Paris Cedex 13
Room/Pièce : A310
Getting there:
<http://www.telecom-paristech.fr/eng/practical-information/getting-there.html>
Comment s'y rendre :
<http://www.telecom-paristech.fr/telecom-paristech/adresses-acces-contacts.html>

Abstract/Résumé:

Photonic switching is today an emerging breakthrough in Optical Networks. And it is a fact that packet switching has taken over circuit switching in present day telecom networks. However it is desirable that optical network nodes are transparent to traffic in order to minimize latency. In this context Photonic Switching, be it channel (OCS), burst (OBS), or packet (OPS) switching comes as a future proof solution. Due to the maturity of fiber optic components and related technologies, in particular WDM, as well as the widespread availability of installed fiber cables, photonic switching is also becoming economically viable. Some practical possibilities and technical alternatives have been demonstrated and will be presented and discussed.

Biographie/Biography

Dr. Rudge Barbosa (Felipe) holds B.Sc. and M.Sc. degrees in Physics from the Catholic University of Rio de Janeiro (PUC-RJ), and Ph.D. in Electrical Engineering from the University of Campinas (Unicamp), in Brazil. He has been active in Photonic Technology and Optical Communications (components, systems and networks) for 30 years. He is a visiting professor and technical consultant, lecturer and senior research associate with the Photonics Technology Laboratory (LTF), at the School of Electrical and Computer Engineering (FEEC) – Unicamp; and also with the Instituto Namitec, in the Center for Information Technology (CTI/MCT), a federal laboratory of the Ministry of Science and Technology; in the city of Campinas, Brazil. Previously he was with the Fundação CPqD (former Telebras R&D center) for 25 years, with technical and with management responsibilities. He was a post-doc fellow at the University of Colorado, Boulder, USA (1992-93); and visiting professor in the University of Montpellier, France (2004). He has over 60 peer-reviewed publications in international conferences, symposia and technical journals; and holds four patents in the area. He is member of the Brazilian Physical Society (SBF), and the Brazilian Telecomm Society; he is senior member and member of advisory council of Brazilian Society for Microwave and Optoelectronics (SBMO); he is also member of the IEEE ComSoc, the Optical Society of America, and is invited expert to the ITU-T (Geneva), technical group G. He has received two technical prizes in Telecom

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French Photonics Society Chapter Website :

<http://ieee-photonics.fr/>