

Workshop No. 3

Short range optical networks

**September 21st, 2008, 9:00 - 13:00
Brussels/Belgium**

Workshop Objectives

Short reach optical links, i.e. optical transmission systems that cover distances from few meters up to some 100 meters, are gaining increased attention mainly due to the evolution of the required bit-rates up to levels that make the traditional "electrical" solutions critical.

The technologies that will be covered in the workshop are:

- - Multi Gigabit/s transmission over glass multimode fibers
- - Toward Gigabit/s over Plastic Optical Fibers (POF)
- - Optical wireless communications

The areas of application are quite heterogeneous and include next generation LAN, enterprise networks, data centers, high speed home networking, consumer electronics and automotive.

Organizers

- Roberto Gaudino, Politecnico di Torino, Italy
- Sebastian Randel, Siemens AG, Germany

Registration

Registration for the workshop is free, but mandatory to get access to the session rooms.
Registration can only be done through the ECOC2008 registration webpage

Contact:

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Program

- 09:00 Introduction
- 09:10 "Technologies for High Speed Short Reach Interconnects – a Vendor's Perspective"
Murat Serbay (Merge Optics, Germany)
- 09:40 "Optical and Electrical Interconnects in Next Generation Supercomputers"
Petar Pepeljugoski (IBM, USA)
- 10:10 "From Car to Home: Optical Entertainment Networks"
John Lambkin (Firecomms, Ireland)
- 10:40 "Gbit/s-Transmission over POF - Results of the POF-ALL Project"
Bernd Offenbeck, (Fraunhofer IIS, Germany)
- 11:10 Coffee Break
- 11:30 "Towards Optical Home Networks"
Jérôme Le Masson (FT, France)
- 12:00 "High-speed and short range optical wireless communication for mobile devices"
Tomonori Yazaki (KDDI, Japan)
- 12:30 "Prospects and Challenges for the Optical Wireless Future"
Joachim Walewski (Siemens, Germany)
- 13:00 End