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Ph.D. School in Electronics, Computer Science and Electrical Engineering
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SEMINAR

Key Technologies and Innovative Trends in Transport Optical Networks

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FIBERCOP

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Aula Seminari Magenta,
Dipartimento di Ingegneria Industriale e dell'Informazione,
Facoltà di Ingegneria

This presentation offers a survey of the key technologies relevant for the next generation of optical transport networks, such as wavelength switching and coherent detection, together with an introduction to new topics. A survey of the new FiberCop transport network is also given as an example of the benefits of these technologies applied to photonic metro-regional and backbone networks

Bio: Emilio Riccardi graduated in physics at University of Torino (Italy) in 1991, and since 1992 he has been working in the context of fiber optic transmission, initially in CSELT, then in Telecom Italia. With the birth of FiberCop in 2024, he became a Senior Researcher in the Innovation & Engineering Department. He is currently involved in the design and innovation of DWDM optical networks. He is actively participating in several research projects funded by the EU, and is now involved in the ALLEGRO project. He has co-authored several journal and conference publications.

Organizers

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Seminar in Italian/English

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