This presentation offers a survey of wavelength switching technologies and transmission systems based on phase modulation and coherent detection and provides an introduction to the Gaussian Noise model extensively used in coherent transmission system design. The benefits of these technologies applied to the new Telecom Italia photonic backbone Kaleidon are also described.

Bio: Marco Schiano is with the Transport Innovation group of Telecom Italia where he works on the progress of backbone and metro optical networks. He has been the Coordinator of the IST-NOBEL project funded by the European Commission. 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
Prof. Valerio Annovazzi Lodi
Prof. Guido Giuliani

Ph.D. Coordinators
Prof. Paolo Di Barba
Prof. Guido Torelli

Seminar in Italian/English
For more information: valerio.annovazzi@unipv.it