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PHOTONEXT

Seminars on Photonics organized by the
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Advanced photonic materials and devices: a journey from fundamental physics and modelling to applications

Wednesday 25 July 2018 - 10:00 AM – 12.00 PM

Room 2I, Politecnico di Torino

Corso Duca degli Abruzzi 24, Torino

Advanced photonic materials are a key enabling technology for many applications, ranging from communications to energy, lighting and sensing. The seminar aims at presenting a few examples of recent progress and novel trends in the field of photonic materials and devices, covering aspects related to advanced fabrication techniques, characterization methods and computational approaches.

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□ **Prof. Enrico Bellotti**, Department of Electrical and Computer Engineering, Boston University, USA

Activities of the Center for Semiconductor Modelling at Boston University

□ **Prof. Stefano Sanguinetti**, Dipartimento di Scienza dei Materiali, L-NESS Laboratory, Università degli Studi di Milano-Bicocca, ITALY

Droplet Epitaxy Quantum Dots for optoelectronic applications: the QDIP case

□ **Dr. Urs Aeberhard**, IEK-5 Photovoltaik, Forschungszentrum Jülich, GERMANY

Computational investigation of quantum well superlattice solar cells

□ **Dr. Vittorianna Tasco**, Nanotechnology Institute - CNR NANOTEC, ITALY

Nanostructures for Photovoltaics and Chiral Photonics

□ **Prof. Matthias Auf der Maur**, Dipartimento di Ingegneria Elettronica, Università degli Studi di Roma "Tor Vergata", ITALY

Approaches for the simulation of nanostructured optoelectronic devices

Telecom

Sensors

Components