



CMOS Photonics

5th Optoelectronic and Photonic Winter School

15-21 March 2009

Sport Hotel Panorama

Fai della Paganella, Trento, ITALY

To introduce, examine and review the recent achievements in the fields covering fundamentals and devices, materials and technologies.

The School goals are:

- to put the emphasis on the main building blocks towards a silicon photonics: from the light generation to the CMOS integration
- to introduce PhD students and young researchers to this field and to determine the state of the art of silicon photonics, from the theory to the characterization with a point on the technology
- to be a forum to exchange experiences about new advances and developments in the field thus promoting the scientific exchange between participants and contributors.

SCIENTIFIC PROGRAM and SPEAKERS

SILICON PHOTONICS: **L. Pavesi** (Trento Univ.) - Italy
 WAVEGUIDES: **Dan-Xia Xu** (NRC, Ottawa) - Canada
 CMOS: **A. Scandurra** (ST MicroElectr. Catania) - Italy
 COUPLING: **W. Bogaerts** (IMEC- Ghent Univ.) - Belgium
 SOURCES and AMPLIFIERS: **B. Garrido** (Barcelona Univ.) - Spain
 DETECTORS: **E. Kasper** (Stuttgart Univ.) - Germany
 MODULATORS: **L. Vivien** (IEF, CNRS-Paris Sud Univ.) - France
 TECHNOLOGY: **J.-M. Fedeli** (CEA-LETI, Grenoble) - France
 DESIGN: **R. Stoffer** (Phoenix BV, Enschede) - NED
 ROADMAPS: **T. Pearsall** (EPIC, Paris) - France
 HYBRID INTEGRATION: **P. Viktorovitch** (INL, Lyon) - France
 NONLINEAR PHOTONICS: **O. Boyraz** (Univ. Cal. Irvine) - USA
 PHOTONIC CRYSTALS: **S. Noda** (Kyoto Univ.) - Japan
 PLASMONICS: **A. Polman** (FOM-AMOLF, Amsterdam) - NED
 BIO-PHOTONICS: **L. Lechuga** (CSIC-ICN, Barcelona) - Spain

Special lectures

PHOTON FAB: **P. Dumon** (IMEC- Ghent Univ.) - Belgium
 EPIC: **T. Pearsall** (EPIC, Paris) - France
 LUXTERA: **C. Gunn** (Luxtera Inc., Carlsbad California) - USA
 CMOS Photonics in FP7 - **G. Kalbe** (Europ. Commission) - Belgium (tbc)

ORGANIZING COMMITTEE

N. Daldosso, Univ. Trento - Italy (*director*)
 L. Vivien, IEF, CNRS-Univ. Paris Sud - France (*director*)
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 S. Formont, THALES - France

ORGANIZING SECRETARY

University of Trento - Events and Meetings Office
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MAIN SPONSOR:



<http://portale.unitn.it/events/cmosphotonics>



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