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)
P. Dumon, IMEC, Ghent - Belgium
N. Olij, Phoenix BV, Enschede - The Netherlands
M. Ferrari, CNR-IFN Trento - Italy
A. Chelnokov, CEA-LETI, Grenoble - France
R. Orobtchouk, INL, Lyon - France
L. Gonzo, FBK, Trento - Italy
S. Formont, THALES - France

ORGANIZING SECRETARY

University of Trento - Events and Meetings Office
convegni@unitn.it

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