

17ISQE'12 Photo album

**17th International School on Quantum Electronics (17th ISQE)
“Laser physics and applications”
24-28 September 2012, Nessebar, Bulgaria**

Opening ceremony:



The first day of the ISQE began with welcoming speeches by the organizers and welcoming remarks were presented by the Director of Institute of Electronics - Bulgarian Academy of Sciences Assoc. Prof. Dr. S. Gateva and Prof. A. Serafetinidis from NTUA, Greece.

INVITED LECTURERS



Prof. Philippe Delaporte
LP3-CNRS Campus de Luminy,
France

**“The surface nanostructurations
(positive or negative) by means of
near field enhancement with
nanospheres”**



Prof. Kerim Allahverdi
TUBITAK Marmara Research Center
Materials Institute,
Turkey

**“Interaction of laser light with the
 $A^{III}B^{VI}$ layered semiconductors.
Nonlinear optical applications”**



Prof. Gerard Slivinski
The Szwalski Institute, Polish
Academy of Sciences,
Poland

**“Laser route to science and
engineering on nanoscale”**



Dr. Simon Henley
University of Surrey, Advanced
Technology Institute,
UK

“Fabrication of plasmonic nanostructures and optical devices by pulsed laser annealing”



Prof. Alexandros Serafetinides
National Technical University of
Athens (NTUA) Applied Physics
Department
Greece

“Optical tweezers and cell biomechanics in macro- and nano-scale”



Prof. Carmen Afonso
Instituto de Optica, CSIC, Laser
Processing Group,
Spain

“Artificially designed plasmonic structures (for photonic and biosensing applications) using laser techniques”



Prof. Stefan Andersson-Engels
Lund University Medical Laser Center
Department of Physics, Lund Institute
of technology
University of Lund
Sweden

“Fluorescence imaging and tomography utilizing upconverting nanoparticles as contrast agent”



Prof. Wolfgang Husinsky
Institute of Applied Physics - Vienna
University of Technology
Austria

“Nanostructures on laser-bombarded surfaces and their correlation with the shape of the ultrashort laser pulse”



Dr. Panos Loukakos
Foundation for Research and
Technology-Hellas (FORTH) Institute
of Electronic Structure and Laser
(IESL), Heraklion,
Greece

“Ultrafast processes in nanostructures and nanostructured materials”



Prof. Ferruccio Renzoni
Department of Physics and
Astronomy University College
London, UK

“Vibrational mechanics in an optical lattice: controlling transport via potential renormalization”



Prof. Emilio Mariotti
Unita di Siena, Dipartimento di Fisica
Universita di Siena
Italy

“MOT for radioactive atoms: optimization of trapping efficiency”



Prof. Tigran Vartanyan
Petersburg National Research
University of Information
Technologies Mechanics and Optics,
Russian Federation

“Atom-wall interaction and their role in the spectroscopy of spatially constrained atomic vapors”



Prof. Daniel Bloch

Laboratoire de Physique des Lasers,
UMR 7538 du CNRS, Université
Paris13 - Sorbonne Paris Cité,
France

**“Sub-Doppler optical resolution by
confining a vapour in a
nanostructure”**



Dr. Anatoli Chaikovsky

The State Scientific Institution "B.I.
Stepanov Institute of Physics of The
National Academy of Sciences of
Belarus" (IPNASB),
Belarus

**“Synergy of ground-based and
space lidar and radiometer systems
for monitoring of long range
pollution transport in atmosphere”**



Prof. Ludger Wöste

Freie Universität Berlin, FB Physik,
D-14195 Berlin,
Germany

**“Femtosecond LIDAR: From
Remote Sensing of the Atmosphere
to Remote Control”**



Prof. Stelios Tzortzakis
Foundation for Research and
Technology-Hellas (FORTH) Institute
of Electronic Structure and Laser
(IESL), Heraklion,
Greece

**“Tailoring and applications of
intense femtosecond THz sources”**



Prof. Arnaud Couairon
Centre de Physique Théorique Ecole
Polytechnique,
France

**“Ultrashort laser pulse
filamentation with smart
(Airy and Bessel) beams”**



Prof. Thierry Verbiest
KU Leuven, Molecular Imaging and
Photonics, 3001, Heverlee (Leuven),
Belgium

**“Nonlinear optical properties of
chiral materials”**

INDUSTRIAL PRESENTATIONS



Dr. Jan Shaefer
Toptica Photonics AG.
Germany

“Lasers for scientific challenges”



Dr. Plamen Yankov
Coherent Ltd.

**“Trends in fs amplifiers. New
LEGEND/VITARA CEP
Ti:sapphire system”**