

INVITED LECTURERS

Session A : Biomedical and Biological PA & PT - Chair Andreas Mandelis



Gerald Diebold - Brown University - USA

Generation of the Photoacoustic Effect by Moving Optical Sources and Thin Layers



Huabei Jiang - University of Florida - USA

Photoacoustic Imaging and Its Biomedical Applications



Mikhail Proskurnin - Moskov State University – Russia

Studies of Protein and Nanoparticle Solutions in Organized Media by Thermal Lensing Along with Spectrochemical Analysis

Session B : Nanoscale Heat Transfer and Imaging - Chair Sebastian Volz



Yannick De Wilde - Institut Langevin, ESPCI, CNRS - France
Imaging and spectroscopy of the near-field thermal emission



Jose Ordonez-Miranda - Ecole Centrale Paris, CNRS - France
Ultrafast Laser-Induced Heating of Dielectric Nanofilms Predicted by the Boltzmann Transport Equation: Microscopic Description of Photothermal Phenomena



Gilles Tessier - Institut Langevin, ESPCI, CNRS - France
Digital heterodyne holography for thermoplasmonic applications



Clivia Sotomayor Torres –Catalan Institute of Nanoscience and Nanotechnology -Spain
Phonons in silicon free-standing membranes

Session C : Non Destructive Evaluation & Testing - Chair Christ Glorieux



Xavier Maldague - Université Laval - Canada
Infrared Thermography for NDT and More



Alexei Maznev – MIT – USA
*Laser-induced transient gratings for acoustic and thermal measurements
in science and industry*



Alberto Oleaga - Universidad del Pais Vasco UPV/EHU - Spain
*Recent advances in the characterization of vertical cracks using
lock-in thermography*

Session D: Thermophysical Properties- Chairs R.Li Voti and A.Mandelis



Mauro Baesso - Universidade Estadual de Maringá - Brazil

*Thermal lens to study transesterification stages and oxidative stability:
theory and experiments*



Michael Wübbenhorst – Katholieke Universiteit Leuven - Belgium

*Specific heat spectroscopy and pyroelectric depth profiling in
ultrathin films of glass forming liquids and polymers.*



Mladen Franko – University of Nova Gorica - Slovenia

*Achievements and future prospects in application of
photothermal techniques for food quality control and safety*