

Son et Lumière: from microphotonics to nanophononics



October 16th - 28th, 2006, Cargèse, France

<http://www.cab.cnea.gov.ar/sonetlumiere>

Invited lecturers and topics:

H. J. Maris (Picosecond acoustics, acoustic phonon propagation)
Brown University, Providence, USA

A. J. Kent (Acoustic techniques for coherent and incoherent phonons)
University of Nottingham, UK

P. Santos (Acousto-optical devices)
Paul-Drude-Institut für Festkörperelektronik, Berlin, Germany

J. Dijkhuis (Phonon laser)
Debye Institute, University of Utrecht, Netherlands

S. Tamura (Theory of localized acoustic modes in multilayered structures)
Hokkaido University, Sapporo, Japan

B. Perrin (Coherent phonon techniques in multilayers)
Institut des Nanosciences de Paris, Universités Paris 6 et 7, CNRS, France

R. Ferreira (Electron-acoustic phonon interaction in nanostructures)
Laboratoire Pierre Aigrain, Ecole Normale Supérieure, CNRS, Paris, France

R. Merlin (Microscopic mechanisms for coherent generation)
University of Michigan, Ann Arbor, USA

B. Gayral (Photonic microcavities)
Commissariat à l'Energie Atomique, Grenoble, France

A. Fainstein (Acoustic cavities)
Instituto Balseiro, Centro Atómico Bariloche, CNEA, Argentina

K. Nelson (Phonon-polariton coherent generation and pulse-shaping techniques)
Massachusetts Institute of Technology, Cambridge, USA

M. Cardona (Anharmonicity and acoustic phonons)
Max-Planck-Institut Stuttgart, Germany

B. Jusserand (Folded phonons in semiconductor superlattices)
Institut des Nanosciences de Paris, U. Paris 6 et 7, CNRS, France

J. H. Page (Phononic crystals)
University of Manitoba, Winnipeg, Canada

C. K. Sun (Coherent phonon generation in piezoelectric multilayers)
National Taiwan University, Taipei, Taiwan

A. Mlayah (Interference Raman scattering)
Laboratoire de Physique des Solides, Université Paul Sabatier, Toulouse, France

J. de Rosny (Time reversal in phononic crystals)
Laboratoire Ondes et Acoustique de l'E.S.P.C.I., CNRS, Paris, France

B. Djafari-Rouhani (Phononic waveguides and devices)
I.E.M.N., CNRS, Lille, France

C. Sotomayor Torres (Nanofabrication for phonons)
Tyndall Institute, Cork, Ireland

T. Dekorsy (Asynchronous techniques applied to coherent phonon generation)
Universität Konstanz, Germany

H. M. Pastawski (Electron-Phonon Interaction in nanodevices)
FAMAF, Universidad Nacional de Córdoba, Argentina

Deadline: May 19th

Contact: setl@cab.cnea.gov.ar

Organizing committee

Bernard Jusserand (INSP-U. Paris 6 et 7, France)

Alejandro Fainstein (CAB-IB, Argentina)

Bernard Perrin (INSP-U. Paris 6 et 7, France)

Paulo Santos (PDI, Germany)

José Menéndez (ASU, USA)

Scientific committee

H. J. Maris
Brown University

G. Bastard
Ecole Normale Supérieure

I. Abram
Laboratoire de Photonique et des Nanostructures

J. I. Dijkhuis
Debye Institute, University of Utrecht

A. J. Kent
University of Nottingham

M. Cardona
Max Planck Institute Stuttgart

S. Tamura
Hokkaido University



Institut d'Etudes Scientifiques
de Cargèse

