



“ETTORE MAJORANA” FOUNDATION and CENTRE FOR SCIENTIFIC CULTURE
INTERNATIONAL SCHOOL OF QUANTUM ELECTRONICS

48th Course: *FIRST MEDITERRANEAN INTERNATIONAL WORKSHOP ON
PHOTOACOUSTIC & PHOTOTHERMAL PHENOMENA*

ERICE-SICILY: 11 – 18 JULY 2010

DIRECTOR OF THE CENTRE: A. ZICHICHI

DIRECTORS OF THE SCHOOL: A.N. CHESTER - S. MARTELLUCCI

DIRECTORS OF THE COURSE: R. LI VOTI - A. MANDELIS

We are pleased to inform You that the “*First Mediterranean International Workshop on Photoacoustic & Photothermal Phenomena*” will be held at the Center Ettore Majorana in Erice (Sicily, Italy), in the period July 11-18, 2010. (Additional information about the Center can be found on the website at <http://w3.uniroma1.it/photoacoustic-photothermal/>, <http://symp17.nist.gov/>, <http://www.ccsem.infn.it/>)

The aim of the workshop is to bring together scientists, engineers, technology developers and users who are involved in “Photoacoustic and Photothermal Science”, in the wonderful atmosphere of the old pre-mediaeval monasteries of the Center Ettore Majorana in Erice, in the middle of the Mediterranean Sea.

This Foundation and Center for Scientific Culture has a long tradition in the organization of summer Schools, Workshops and International Conferences, covering all branches of Science, as happens for example for the Gordon Research Conferences. In fact, the idea to organize the “*First Mediterranean International Workshop on Photoacoustic & Photothermal Phenomena*” arose so as to fill the vacuum left from the cancellation of the well known biennial Gordon Research Conferences on the same topic.

We intend to bring together a group of invited leading scientists working in various “hot” areas of our field covering the following topics to speak to the attendees of the Erice Workshop:

1. Scanning, imaging and depth profiling of materials,
2. Biomedical photoacoustics and imaging,
3. Biothermophotonics,
4. Non-destructive testing, industrial applications and instrumentation,
5. Diffusion and thermal waves,
6. Inverse problems,
7. Spectroscopy, analytical chemistry, nonlinear optics and photochemistry,
8. Ultrafast thermoelastic phenomena-molecular dynamics,
9. Thermal and elastic properties on nano-scale and IR micro-antennas,
10. Semiconductors, Photovoltaics, and MEMS, NEMS and phononic bandgap materials,
11. Complex fluids, phase transitions and glass transitions,
12. Biological materials, agricultural and food sciences,
13. PA and PT sensors, new instrumentation, and methodology,
14. Special topics

For this purpose we would like to invite You to attend this International Workshop. Persons wishing to attend the Workshop should apply in sending an email to the Secretariat:

Roberto LI VOTI
Sapienza Università di Roma - Dipartimento di Energetica
e-mail: WorkshopErice@uniroma1.it
<http://w3.uniroma1.it/photoacoustic-photothermal/>
Application deadline : May 31, 2010

In the email You may indicate whether You are interested to present Your research results as oral talk and/or in the poster session.

Sincerely yours, the organizers

Roberto Li Voti
Sapienza Università di Roma

Andreas Mandelis
University of Toronto

International School of Quantum Electronics: • Physical and Technical Measurements with Lasers - 1971 • Non-linear Optics and Short Pulses - 1972 • Laser Frontiers Short: Wavelengths and High Power - 1973 • Cooperative Phenomena in Multi-component Systems - 1974 • Molecular Spectroscopy and Photochemistry with Laser - 1975 • Physics and Technology of Free Electron Lasers - 1980 • Integrated Optics Physics and Applications - 1981 • Analytical Laser Spectroscopy - 1982 • Laser Applications to Biology and Medicine - 1983 • Optical Phase Conjugation - 1984 • Progress in Microemulsions - 1985 • Optical Fiber Sensors - 1986 • Laser Science and Technology - 1987 • Nonlinear Optics and Optical Computing - 1988 • Optoelectronics for Environmental Sciences - 1989 • Laser Systems for Photobiology and Photomedicine - 1990 • Phase Transitions in Liquid Crystals - 1991 • Laser Applications for Mechanical Industry - 1992 • Advances in Integrated Optics - 1993 • Biomedical Optical Instrumentation and Laser-assisted Biotechnology - 1995 • Diffraction Optics and Optical Microsystems - 1996 • Global Automotive Technology Senior Management Briefing - 1997 • Optical Sensors and Microsystems - 1997 • Excimer Laser for Fusion and Industrial Applications - 1997 • Advances in Optoelectronics for Environmental Monitoring - 1998 • Observational Database and Mechanisms of Climate Change - 1998 • Bose-Einstein Condensates and Atom Lasers - 1999 • Laser beam and optics characterization - 2000 • Nanoscale linear and non-linear optics - 2000 • Atoms, solids and plasmas in super-intense laser fields - 2000 • Global Automotive Laser Applications - 2001 • Optical Coatings - 2001 • Free d guided optical beams - 2002 • Quantum Information Processing - 2003 • Spectroscopic techniques for materials, environment and cultural heritage - 2003 • VLSI Photonics - 2003 • Optical Chemical Sensors - 2004 • Molecular Physics and Plasmas in Hypersonics - 2005 • Photonics Metamaterials - 2005 • Matter in Super-Intense Laser Fields - 2005 • Matter in Super-Intense Laser Fields - 2006 • Advances on Nanophotonics II - 2007 • Optical Biosensors and Biochips for Clinical Applications - 2008 • Atoms and Plasmas in Super-Intense Laser Fields - 2009

Secretariat of the Centre: Via Guarnotta 26 - 91016 Erice - Italy - Tel. +39 0923 869133 -Telefax +39 0923 869226 - e-mail: hq@emcsc.ccsem.infn.it
Secretariat of the School: Prof. S. Martellucci, Engineering Faculty - Università di Roma “Tor Vergata”

Via del Politecnico 1 - 00133 Roma - Italy - Tel. +39 06 72597206 - Telefax +39 06 72597207 - e-mail: smart@uniroma2.it
Secretariat of the Course: Prof. R. Li Voti - Università di Roma - La Sapienza - Via Scarpa 16, 00161 Roma - Italy
Tel.: +39-06-49916540 - Fax: +39-06-44240183 - e-mail: WorkshopErice@uniroma1.it