

CONFERENCE ORGANIZATION

Conference chair:

Isabelle Ledoux-Rak, LPQM, ENS Cachan, France.

Co-chairs:

Fabrice Charra, CEA-IRAMIS, Gif-sur-Yvette, France.

Cédric Mayer, Institut Lavoisier, UVSQ, France.

International advisory committee:

Robert J. Silbey (MIT, USA), Michel Orrit (Leiden), Ifor Samuel (St Andrews, UK), Philip Russell (Erlangen, Germany), Yehiam Prior (Weizmann, Israel), Jochen Feldmann (Münich, Germany), Shammai Speiser (Technion, Israel), C.K. Lee (NTU, Taiwan), Antoni Mitus (Wroclaw, Poland), Shaul Mukamel (Irvine, USA), Richard Chang (Yale, USA), Jean-François Nicoud (Strasbourg, France).

Local organizing committee:

Dominique Chauvat, Camille Delezoide, Iryna Gozhyk, Ngoc Diep Lai, Mélanie Lebental, Isabelle Ledoux-Rak, Chi-Thanh Nguyen (LPQM), Rachel Méallet-Renault, Keitaro Nakatani (PPSM), Bianca Sclavi, Corinne Brachet-Ducos (LBPA), Bernard Journet (SATIE), Sophie Brasselet (Institut Fresnel Marseille), Alain Migus (CNRS), Marjolaine Vernier (Institut d'Alembert).

Secretary: Ginette Puyhaubert (LPQM, ENS Cachan).

VENUE

Ecole Normale Supérieure de Cachan
Amphithéâtre Marie Curie
61 avenue du Président Wilson 94230 Cachan, France.

ACCOMMODATIONS

The conference may help you to find a hotel room close to the Cachan Campus.

Please contact AMARIS10@ens-cachan.fr

For further information about LPQM and Institut d'Alembert, please visit : www.ida.ens-cachan.fr.

<http://tinyurl.com/AMARIS2010>

REGISTRATION FEES

all of them including the access to the conference rooms, the Abstract booklet, coffee breaks

Early bird registration (before April 24, 2010) :

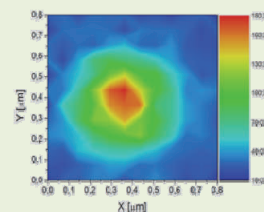
- 480 € including 4 lunches and 3 dinners
- 390 € with lunches only
- Students : 280 € with 4 lunches and 3 dinners
190 € with lunches only

Late registration (after April 24, 2010) :

- 520 € including 4 lunches and 3 dinners
- 430 € with lunches only
- Students : 320 € with 4 lunches and 3 dinners
230 € with lunches only

Non-Academics :

- 700 € without dinner, 790 € with dinners



REGISTRATION - ABSTRACT

- Before **April 07, 2010** for abstract submission.
 - Before April 24, 2010 for early bird registration.
- Confirmation by the conference Secretary.

On-line payment information:

<http://paybox.ens-cachan.fr/AMARIS10>

Payments may also be made by sending official order certificates from your Institution.

Booth for commercial exhibition:

1200 € for the duration of the Conference.

Visa & Invitation Letters:

Participants needing official invitation letters in order to apply for a visa to enter France should e-mail as soon as possible.

AMARIS'10 - International Conference

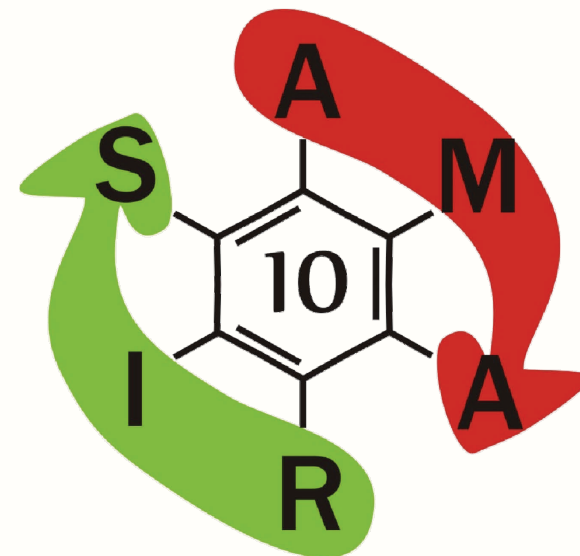
May 24 - 28, 2010

Institut d'Alembert - ENS Cachan - FRANCE

Advances in Molecular Nonlinear Optics

Information Technology and Life Sciences

A tribute to Joseph Zyss for his 60th birthday

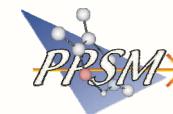


Organized by :

Laboratoire de Photonique
Quantique et Moléculaire



In cooperation with :



<http://tinyurl.com/AMARIS2010>

A tribute to Joseph Zyss for his 60th birthday

AIM AND SCOPE

This Conference will present the most recent developments of Molecular Nonlinear optics, from macroscopic materials to nanostructures and single objects, in a widely opened pluridisciplinary spirit where the various topics to be addressed will act as meeting points between molecular photonics and related activities in chemistry, biology and information technologies.

Besides fundamental aspects of nonlinear, quantum physics and non linear dynamics, various sessions will be devoted to molecular material science and functional chemistry, bio-imaging and nanolabels, structural studies of cell nucleus and proteins, membrane potential, molecular optoelectronic devices, or sensors and biosensors.

This conference also celebrates the 60th birthday of Pr. Joseph Zyss for his pioneering role in Molecular Nonlinear Optics.

Specific sessions will provide an overview of the activities and challenges of molecular nonlinear optics, to be played within a three-dimensional frame :

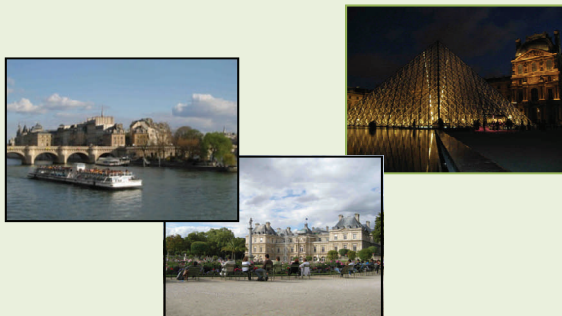
1. Research activities and conditions for the development of the domain at the best international level in a cooperative spirit.
2. Teaching and pedagogical challenges towards a pluridisciplinary training.
3. Potential for industrial applications actual implementations.

CONFERENCE TOPICS

- Molecular and material engineering for nonlinear optics : from molecular synthesis to advanced material design.
- Theoretical aspects of light-matter interactions and Quantum Chemistry.
- Nano- and biophotonics.
- Spectroscopy and manipulation of single objects.
- Novel technologies for nano-patterning, nano-manipulation and nano-functionalization.
- Devices for optical signal processing. Chemical and biochemical sensors based on molecular materials in a microfluidic environment.

Four **special sessions** will be devoted to :

- Science and Art.
- Pedagogical issues towards a multidisciplinary education.
- Industrial perspectives
- Free session with contributions from Joseph Zyss students (present and past) and colleagues.



<http://tinyurl.com/AMARIS2010>

INVITED SPEAKERS INCLUDE

Sophie BRASSELET (Marseille, France)
 Gion CALZAFERRI (Bern, Switzerland)
 Jochen FELDMANN (Münich, Germany)
 Serge GAUVIN (Moncton University, Canada)
 Hartmut HILLMER (Kassel, Germany)
 C.C. HSU (NCCU, Taiwan)
 Manuel JOFFRE (Palaiseau, France)
 Hung-Chil KAN (NCCU, Taiwan)
 Mark KUZYSK (Washington State University, USA)
 Hubert LE BOZEC (Rennes, France)
 C.K. LEE (National Taiwan University, Taiwan)
 Francesco MICHELOTTI (La Sapienza, Rome, Italy)
 Avi MINSKY (Weizmann Institute, Israel)
 Antoni MITUS (WUT, Poland)
 Shaul MUKAMEL (Irvine, USA)
 Ron NAAMAN (Weizmann Institute, Israel)
 Jean-François NICOUUD (Strasbourg, France)
 Dan ORON (Weizmann Institute, Israel)
 Michel ORRIT (Leiden University, The Netherlands)
 Dan OSTROWSKI (Nice, France)
 José Antonio PAIXAO (Coimbra, Portugal)
 Joe PERI (Georgia Tech, USA)
 Yehiam PRIOR (Weizmann Institute, Israel)
 Philip RUSSELL (Erlangen, Germany)
 Ifor SAMUEL (St Andrews, UK)
 Charles SHANK (HHMI, Janelia Farm, USA)
 Yaron SILBERBERG (Weizmann Institute, Israel)
 Robert J. SILBEY (MIT, USA)
 Francesco SIMONI (Universita delle Marche, Italy)
 Shammai SPEISER (Technion Institute, Israel)
 George STEGEMAN (CREOL, Florida, USA)
 Hervé THIS (INRA, Paris, France)