















Tribute to Joseph Zyss for his action in the domain, at the occasion of his 65th birthday

Monday, June 1, 2015

8h30 - 8h 50 : Coffee

8h 50 - 9h 00: Welcome address

Session 1 : Nano-imaging, nano NLO and nanoplasmonics Chairs :		
9h 00 - 9h35	Chuck Shank Howard Hughes Medical Institute, Janelia Farm, Ashburn, USA	Bioimaging and Excitation with Sculpted Light
9h 35 – 10h 00	Sophie Brasselet Fresnel Institute, Marseille, France	Probing molecular organization down to super-resolution imaging with polarized microscopy
10h 00 – 10h 25	Sébastien Bidault ESPCI, France	Building optical antennas with DNA »
10h 25 - 10h 5	0 : Coffee break	
10 h 50 - 11 h 15	Marc Guillon University Paris 5, France	Optical phase singularities for super- resolution imaging
11h 15 - 11h 40	Clément Lafargue LPQM, IdA, ENS Cachan, France	CARS imaging with comb lasers
11h 40 - 12h 15	Lucia Petti Institute of Cybernetics "E. Caianiello" of CNR, Pozzuoli, Italy	2D photonic quasi-crystals for nanobiosensing
12h 15 - 12h 50	Eli Kapon EPFL, Switzerland	Tailored Quantums Dots and integration with cavities
12h 50 – 13 h 50 : <i>Lunch</i>		
13h 50 - 14 h 15	Bruno Palpant <i>LPQM, IdA, Ecole Centrale de Paris, Châtenay-Malabry, France</i>	Ultrafast transient plasmonic-photonic coupling
14h 15 - 14 h 40	Timothée Toury UTT, Troyes, France	Irreducible formalism for nanoparticles optical properties description
14h 40 - 15h 05	Bianca Sclavi LBPA, IDA, ENS-Cachan, France	Fluorescent nano-objects for the study of bacterial physiology

Session 2 : Microcavities		Chair :
15h 05 - 15h 40	Misha Sumetsky Aston University, UK	Microresonator structures at the surface of an optical fibre
15h 40 - 16h 15	David Andrews University of East Anglia, Norwich (UK)	Finding the Photon in Photonics
16h 15 - 16h 40	Mélanie Lebental <i>LPQM, IdA, ENS Cachan, France</i>	Non-linear dynamics: from quantum chaos to micro-lasers
16h 40 – 17h 00 :	Coffee break	

Special round table on « *crossing frontiers and shaking institutions* »: *Physics and chemistry, technology and science, telecommunications and biology, research and institution*

Moderator : Isabelle Ledoux-Rak

17h 00-18h 00	Maurice Bernard, Bernard Dec Mérindol, Hervé Biausser, Jacqu Nakatani, Pierre-Paul Zalio	
18h 00 - 18h 45	GLEAM lecture by Joseph Zyss LPQM, ENS Cachan, France	From Molecules to Meta- Molecules for Photonics and biophotonics: Symmetry, confi- nement, geodesics and scale considerations

Sciences and food for present and future

18h 45 - 19h 45	Hervé This Agro Paris Tech, Paris, Interactive cooking France	
Dinner cocktail, music		

Tuesday, June 2, 2015

Session 3 : Devices for Photonics and Sensing Chair :		Chair :
8h 00 - 8h 30	Coffee	
8h 30 – 9h 05	Ady Arie Tel Aviv University, Israël	Studying nonlinear optics using the tools of atomic physics
9h 05 - 9h 40	Francesco Michelotti, Universita di Roma « La Sapienza », Rome, Italy	Bloch electro-magnetic surface waves for early cancer diagnosis
9h 40 - 10h 05	Bruno Le Pioufle SATIE, ENS Cachan, France	Microfluidic devices for the electrical treatment of cells
10h 05 – 10h 30 : Co	offee break	
10h 30 - 10h 55	. .	High detection limit optofluidic sensor for chemical and biological applications
10h 55 - 11h 20		Producing microdroplets for NLO and biological applications
Session 4: Molecular Engineering for Photonics and Biophotonics Chair:		
11h 20 - 11h55	David Yaron Carnegie Mellon University, USA	Modeling the Role of Torsional Motions in the Photophysics of Organic Dyes and Semiconductors
11h 55 - 12h 20	Isabelle Ledoux-Rak <i>LPQM, IdA ENS Cachan, France</i>	Beyond Molecular Engineering for nonlinear optics: from molecules to nanoparticles
	12h 20 – 14 h 00 : <i>Lunch and Poster Session</i>	
14h 00 - 14 h 35	Antoni Mitus, M. Jarema, C. Pawlik and J. Zyss, Wroclaw University of Technology Poland and LPQM, ENCACHAN, France	w From EFISH to multipolar y, orientation: a statistical physics
14h 35 - 15h 00	Marie-Paule Teulade-Fichou Curie Institute, Paris, France	1
15h 00 - 15h 25	Chantal Andraud ENS Lyon, France	Biphotonic probes for Near-IR biophotonics applications

15h 25 - 15h 50	Frédéric Bolze Strasbourg University, France	From materials to biology: a journey inside molecular engineering of two-photon dyes and harmonophores
15h 50 – 16h 20 : <i>Coffe</i>	ee break	
16h 20 - 16h 45	Rémi Métivier PPSM, IDA, ENS-Cachan, France	Design of molecular and hybrid nanoparticles with photo- switchable optical properties
16 h 45 - 17 h 10	Hubert le Bozec <i>Rennes 1 University, France</i>	Metal-based NLO chromophores: from tuning to switching the quadratic nonlinearities
17h 10 - 17h30	Closing ceremony	