

8:30 Registration & Introduction

Wednesday 1st of June 2016

Morning

Quantum plasmonics

- 9:00** *Christophe Couteau, LNIO*, Coupling metamaterials with quantum states of light.
- 9:30** *Martin Berthel, Institut Néel*, Corrélation quantique du second-ordre spatio-temporelle de plasmon-polaritons de surface.
- 10:00** *Agnes Maitre, INSP*, Emission mutiexcitonique dans une antenne patch à un unique émetteur.
- 11:00** *Hugo Varguet, LICB*, Modes hybridization in a strongly coupled metal nanoparticle quantum emitter system.
- 11:30** *Claire Deeb, LPN*, Advances in Plasmonic Nanolasers.

12:00 POSTER SESSION

17:00 Talk Grand Public & Social event

Emmanuel Fort Institut Langevin Paris.
"Dualité onde-corpuscule à l'oeil nu"

Cocktail, together with participants to parallel workshops
(GDR ONDES, FQXI workshop and LIA ALPhFA)

Afternoon

Joint WG2-GDR session

- 13:30** *Alex Baron, CRRP*, Nonlinear Optics with surface plasmons and metamaterials.
- 14:00** *Nicolas Chauvet, Institut Néel*, Nonlinear optics in double resonant hybrid plasmonic nanoantenna structures.
- 14:30** *Jérémy Butet, EPFL*, SHG from plasmonic nanostructures and metasurfaces: How to design the nonlinear conversion at the nanoscale?
- 15:30** *Erik Dujardin, CEMES*, Modal engineering in plasmonic crystalline colloidal systems.
- 16:00** *I.V. Smetanin, Lebedev Physical Institute, Russia*, Nanoresotron - novel concept of optical nanoantenna excitation through the dissipative instability of DC electric current.
- 16:30** *A.V. Uskov, Lebedev Physical Institute and ITMO University, Russia*, Nanoscale contact as a source of plasmons for plasmonic nanocircuits.

Thursday 2nd of June 2016

Morning

Nonlinear plasmonics

- 8:30** *Jean-François Roch, Laboratoire A. Cotton, ENS Cachan*, KTP nanocrystals and imaging with second harmonic generation.
- 9:00** *Pierre-Michel Adam, LNIO*, Non-linear Optical Properties of Gold Nanoantennas.
- 9:30** *Carolina Rendon Barraza, Institut Fresnel*, Polarized Nonlinear Nanoscopy in Metal and Ferroelectric Nano-Structures.
- 10:30** *Josslyn Beltran Madrigal, LNIO*, Optical near field imaging of the local density of electromagnetic guided modes in integrated optical waveguides on glass.
- 11:30** *Gilles Renversez, Institut Fresnel*, Plasmonique nonlinéaire et optique guidée: propriétés des guides à fente.
- 11:30** *Thibault Chevry, ISIS*, High Efficiency Second Harmonic Generation from Hybrid Light-Matter States.

Afternoon

Nonlinear plasmonics

- 14:00** *Ludovic Douillard, IRAMIS*, Plasmonique par photoémission non linéaire.
- 14:30** *Agnès Maître, INSP*, Emission multiexcitonique dans une antenne patch à un unique émetteur.
- 15:00** *Benoît Clauzel, LICB*, Nanoantennes plasmoniques non linéaires de la génération de porteurs chauds au rôle de la cristallinité.
- 15:30** *Julien Duboisset, Institut Fresnel*, Symétrie vibrationnelle par imagerie Raman non linéaire.

16:30 OUTLOOKS & CONCLUDING REMARKS

