

LIA ALPhFA SECOND WORKSHOP

PROGRAM

THURSDAY, JUNE 2, 2016

Amphitheater MASSIANI

Faculté des Sciences – Campus de Saint Charles – Aix-Marseille Université

8 :30-8 :50 Welcome

8:50 – 9:00: Introduction Boris Kuhlmeiy and Stefan Enoch

9:00 – 9:30: Ben Eggleton – University of Sydney : CUDOS : Nanophotonics in the New Information Age: Faster, Smaller and Smarter

9:30 – 10:00: Yuri Kivshar – ANU : All-dielectric nanophotonics and metasurfaces

10.00 – 10.30: Coffee Break

10.30 – 11.50: Nicolas Bonod – Institut Fresnel : Controlling light at the nanoscale with silicon nanoparticles.

11.50 – 11.10: Anatole Lupu - IEF, "The symmetry approach to the metasurfaces dark modes excitation and electromagnetically induced transparency"

11.10 – 11.30: : Ben Hopkins - ANU : Fano resonances in chiral and dielectric nanoparticle oligomers

11:30 – 11:50 Steve Madden, ANU, TBC

11.50 – 12.10 Rémi Collom, Inst. Fresnel & U. Sydney, Optimal interactions of light with magnetic and electric resonant particles

12:10 – 14:00 Lunch

14:00 – 14:30: Ben Eggleton – University of Sydney : Good vibrations: inducing and harnessing sound-light interactions in nanoscale circuits

14:30 – 14:50: Ali Belarouci – INL "Plasmonic-photonic crystal coupled nanolaser"

14:50 – 15:10: Boris Kuhlmeiy – University of Sydney: Drawn metamaterials for the mid-infrared

15:10 – 15:30 : Arnan Mitchell – RMIT : “Hybrid integrated silicon photonic platforms for interfacing and analysis of plasmonic crystals and resonator arrays”

15:30 – 15:50 G. Magno - IEF, "Nanoobject manipulation through integrated plasmonic tweezers"

15:50 – 16:20: Coffee break

16:20 – 16:40: Guillaume Baffou – Institut Fresnel, Plasmonics: photothermal effects and new materials

16:40 – 17:00: Jochen Schröder, RMIT, Spatiotemporal characterisation and manipulation of light

17:00 – 17:20: Sebastien Cueff - INL "Tunable nanophotonics with ferroelectric oxides and phase-change materials integrated on silicon"

17:20 - 17:40 : Kaizad Rustomji – Inst. Fresnel & U. Sydney, On evaluating the Purcell factor of metamaterials through antenna impedance.

17: 40 – 18:00 Anne-Laure Fehrembach – Institut Fresnel, Waveguide mode in-the-box with subwavelength gratings: spectrally narrow and angularly wide resonances

18:00 : Concluding remarks