

Animation axe Matière Molle

Journée « Opto- Thermo- Plasmo- fluïdique »

Mercredi 04 décembre 2024, Salle Fontannes

08h45 – 09h05	Café, Thé
09h05 – 09h10	Accueil
09h10 – 10h00	J.-P. Delville Light Moves Fluids: Interface Deformation, Flow, and Soft Matter Applications
10h00 – 10h20	P.-F. Brevet Second Harmonic Generation at the Nanoscale: from Nanoparticles and Metasurfaces to Liquids and their Interfaces
10h20 – 10h40	P. Maioli Ultrafast Opto-thermal Dynamics of Metal and Carbon-based Nano-objects
10h40 – 11h00	----- Pause -----
11h00 – 11h20	C. Loison Numerical Modeling of the Second Harmonic Optical Response of Liquid Water, in Bulk or at the Air/Water interface
11h20 – 11h40	S. Deville Phoresis and Freezing
11h40 – 12h00	L. Joly Molecular Origins of Thermo-osmotic Transport
12h00-12h25	J. Bellessa Laser Tamm et applications potentielles C. Ybert Experimental Investigation of Thermo-osmotic Effects
12h25 – 14h00	----- Pause Déjeuner -----
14h00 – 14h50	I. Favero The Optomechanics Way to Probe Liquids
14h50 – 15h10	S. Merabia Plasmonic Nanobubbles and Thermal Transfer at Graphene/liquid Interfaces
15h10 – 15h30	V. Lysenko Transport thermique dans les nanocomposites "Si poreux-liquide" étudié par la spectroscopie Raman
15h30 – 15h50	----- Pause -----

15h50 – 16h10	O. Bonhomme Probing the Electronic Interactions Between Surfactants at the Air/Liquid Interface with Optics
16h10 – 16h30	D. Amans Nucléation de bulles par laser
16h30 – 16h55	J. Laverdant Ultra-Confinement de l'Eau pour l'organisation et le Rayonnement optique à l'Échelle moléculaire E. Bénichou Mesures couplées SFA/SHG
16h55 – 17h00	Clôture