

Forum de la Communauté Ultrarapide du plateau de Saclay

Programme FOCUS#3

26 mars 2024, à l'ENS Paris-Saclay

<https://focus.sciencesconf.org/> (inscription gratuite mais obligatoire)

Amphithéâtre Dorothy Hodgkin (présentations scientifiques), rez-de-chaussée, bâtiment ouest.
Hall Emmy Noether (pauses café, buffet et cocktail), rez-de-chaussée, bâtiment Nord.

9h00 – 9h25	Accueil café	
9h30 – 9h40	Ouverture : Thierry RUCHON (LIDYL) & Elsa CASSETTE (LuMIn)	
9h40 – 9h50	Jean-Pierre HERMIER (ISL)	Présentation de l'Institut des Sciences de la Lumière
Session 1	Dynamics in (bio)molecules. Chair: Marie-Pierre GAIGÉOT (LAMBE)	
9h50 – 10h10	Marten VOS (LOB)	<i>Novel processes in flavoproteins: monitoring by ultrafast techniques and potential applications</i>
10h10 – 10h30	Federica AGOSTINI (ICP)	<i>Theory and simulations of ultrafast processes in molecules</i>
10h30 – 10h50	Chloé MAGNE (I2BC)	<i>Bio-inspiration for solar energy conversion: from flowers to multi-electronic photocatalysis</i>
10h50 – 11h10	Fabien GATTI (ISMO)	<i>Description des phénomènes quantiques en chimie</i>
11h10 – 11h35	Pause café	
Session 2	Impulsions laser et attosecondes. Chair: Valérie VENIARD (LSI)	
11h40 – 12h00	Hussein TALEB (LCF)	<i>Amplificateurs laser femtosecondes pompés par LED</i>
12h00 – 12h20	Pierre-Mary PAUL (Amplitude)	<i>La première mesure d'impulsions attosecondes en 2001.</i>
12h20 – 13h55	Déjeuner buffet & posters	
14h00 – 14h45	Conférence d'ouverture Hervé DOLE (IAS)	<i>Lenteur (et vitesse), lumière (et côté obscur) dans l'Univers</i>
Session 3	Plasma et laser intense. Chair : Sandrine DOBOSZ-DUFRENOY (LIDYL)	
14h45 – 15h05	Jaismeen KAUR (LOA)	<i>Sub-cycle control of kHz relativistic plasma mirrors</i>
15h05 – 15h25	Samuel MARINI (LSI*)	<i>Surface plasma waves for ultrashort, high-energy electron bunches using laser wavefront rotation</i>
15h25 – 15h45	Alessandra RAVASIO (LULI)	<i>New insights on shock compressed matter with femtosecond x-ray diffraction</i>
15h45 – 16h10	Pause café	
Session 4	Materials and electronic dynamics. Chair : Luca PERFETTI (LSI)	
16h15 – 16h35	Claire LAULHE (LPS)	<i>Photoinduced dynamics of charge density waves : a view from pump-probe X-ray diffraction</i>
16h35 – 16h55	Mauro FANCIULLI (LIDYL)	<i>Probing ultrafast demagnetization dynamics by magnetic helicoidal dichroism</i>
16h55 – 17h15	Sébastien QUISTREBERT (LuMIn)	<i>Probing the Ultrafast Hot Exciton Relaxation of Size-Controlled & Well-Dispersed Graphene Nanoflakes</i>
17h15 – 17h20	Conclusions	
17h20 – 19h20	Cocktail & posters : hall Emmy Noether	