

13th Meeting on Nanoscience Advances

Porquerolles, Sept. 26-29th, 2022

Monday, Sept. 26th		Tuesday, Sept. 27th		Wednesday, Sept. 28th		Thursday, Sept. 29th	
08:45	Ferry crossing → Porquerolles	09:00	Claire WILHELM Magnetic nanoparticles as instructive and therapeutic tools in cancer and regenerative medicine	09:00	Jean-Jacques GREFFET Light emitting metasurfaces		
09:30	Arrival at IGESA Center Luggage drop off in the locker room	09:40				09:30 09:55	Fyodor MALCHIK Turn Lemons into Lemonade: increasing the MXene capacity by controlled oxidation in air
10:40 10:55	Meeting opening	09:40 09:55	Nadine MILLOT Gold and iron oxide nanoparticles for biosensing applications	09:40 09:55	Mathieu MIVELLE Generating ultrafast pulses of magnetic fields with light in a plasmonic nanostructure	09:55 10:10	Luca PASQUINI Hydrolytic stabilization of nanostructured polymer electrolyte membranes for energy storage and conversion
10:55	Bruno CHAUDRET Nanoparticles for magnetically induced catalysis	09:55 10:10	Gwladys POURCEAU Supported Au nanoparticles as catalyst for one-pot modification of free sugars into high-value bio-sourced chemicals	09:55 10:10	Christina KYROU Liquid Crystal Metasurface for Efficient Programmable Beam Steering	10:10 10:40	COFFEE BREAK
11:35		10:10 10:40	COFFEE BREAK	10:10 10:40	COFFEE BREAK	10:40 11:05	Laetitia DUBAU Stability of nanostructured Pt-based electrocatalysts for oxygen reduction reaction
11:35 11:50	Solène DUCARRE Interaction of gold nanoclusters with membranes: labelling and encapsulation	10:40 11:05	Souhir BOUJDAY Coupling optical and piezoelectric nanosurfaces to shed new light on the biomolecular adsorption	10:40 11:05	Nicolas SANNER Writing nanohole arrays with controllable depth in fused silica by ultrafast laser ablation	11:05 11:20	Olivier SOPPERA Metal nanoparticles functionalization by photopolymerization and thermoplasmonic effects
11:50 12:05	Muhammad LUTHFI FAJRI Langmuir-Blodgett nanocube assembly techniques: from continuous films to complex nanostructures	11:05 11:20	Andrei KABASHIN Laser- ablative synthesis of multifunctional nanoparticles and nanocomposites for biomedical applications	11:05 11:20	Jayeeta AMBOLI Metasurfaces for the Detection of Chiral Molecules	11:20 11:35	Lionel PATRONE Growth and organisation of self-assembled monolayers (3-trimethoxysilylpropyl) diethylene-triamine on silica
12:05 12:15	POSTER FLASH PRESENTATIONS	11:20 11:35	Basile BOUVET Cascade Strategy for Triggered Radical Release by Magnetic Nanoparticles Grafted with Thermosensitive Alkoxyamine	11:30 11:55	Benoît CLUZEL Saturable plasmonic metasurfaces	11:35 11:50	Award session Meeting ending
		11:35 11:50	Mohamed EL OUARDI Cobalt Vanadate photocatalyst for High photo-degradation of Rhodamine B	11:55 12:10	Brice HOFF ASTRAIOS for unrivaled ARPES performance and EnviroESCA for routine and advanced NAP-XPS analysis		
12:00 13:30	LUNCH	12:00 13:30	LUNCH	12:00 13:30	LUNCH	14:00	Ferry crossing → The Tour Fondue
13:30 16:00	Time for discussions	13:30 16:00	Time for discussions	13:30 16:00	Time for discussions		Flash presentations
16:00 16:25	Olivier PIERRE-LOUIS Controlling shape of few-particle clusters with a macroscopic field	16:00 16:25	Yoan LEGER Transport in photoelectrochemical heterojunctions: Interface-controlled physics	16:00 16:25	Ariel LEVENSON Playing with holes and nonlinearity, is there any limit to the versatility of photonic crystals?		Regular Speakers
16:25 16:40	Ilan BOULET Electrical monitoring of organic crystal phase transition using MoS ₂ field effect transistor	16:25 16:40	Peeranuch POUNGSRIPONG Individual plasmonic nanocavities as a dielectric characterisation platform	16:25 16:40	Diego GARCIA OVALLE Influence of the Surface States on the Nonlinear Hall Effect in Weyl Semimetals		Invited Speakers
16:40 17:05	Xavier BOUJU What can we learn with the Nanocar Race?	16:45 17:10	Victor MALGRAS Confining the crystallization of lead halide perovskite nanocrystals in mesoporous oxides	16:45 17:10	Nadège COURJAL Lithium niobate electro-photonic devices		Keynote Speakers
17:05 17:35	COFFEE BREAK	17:10 17:40	COFFEE BREAK	17:10 17:40	COFFEE BREAK		
17:35 18:00	Sandrine BOURRELLY What can calorimetry bring to the understanding of adsorption in MOF materials?	17:40 18:05	Anne-Laure FEHREMBACH Second harmonic generation in cavity-resonator integrated grating couplers	17:40 18:05	Glenna DRISKO Creating color and iridescence through the fabrication of nanostructured surfaces		
18:00 18:15	Marc GINGRAS Helicenes as Twisted Molecules Toward Chiral Surfaces and Nanographenes with Record Distortions	17:55 18:10	Brian STOUT Resonant states : a 'new' miraculous tool for photonics ?	18:05 18:20	Sébastien BIDAULT Purcell Enhancement of the Intrinsic Linear and Nonlinear Optical Properties from Colloidal Dielectric Resonators		
18:15 18:40	Frédéric SAUVAGE Wolfgang Pauli used to say that « God made the bulk; surfaces were invented by the Devil », is the Pb halide...	18:10 18:35	Mahmoud ELSAWY Statistical learning optimization methodology for metasurface applications	18:20 18:45	Fabrice RAINERI III-V on Silicon optical nanosurfaces		
18:55 19:15	POSTER FLASH PRESENTATIONS						
19:30	DINNER	19:30	DINNER	19:30	DINNER		
21:00	Salle cheminée: POSTER SESSION			21:00	Cadran Lunaire: SOCIAL EVENT		

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