

LABEX EUR Day 2022

IFMI amphitheater
March 30

<https://labex-interactifs.pprime.fr/labex-eur-day-2022>

Labex EUR Day program

Registration

This event will be held in IFMI amphitheater. A registration is needed to participate to this event, more particularly for the lunch and cocktail.

[Registration here](#)

Wednesday, March 30, 2022

9:00-9:10	Introduction		
9:10-10:30	First year PhD students - 1 (10')		
	IT	Ayoub BENMOUMEN Labex PhD	Functionalization of 2D transition metal carbide sheets (MXenes) using ion-implantation: structural modifications and properties
	IT	Emmanuel De Los SANTOS VASQUEZ	Functionnalized metallic nanostructures embedded in dielectrics for Surface Enhanced Raman signals
	IT	Aurélien DORIAT	Characterization of aero-thermo-mechanical couplings occurring during thermo-oxidation ageing of polymer matrix composites under high-speed air flow
	IT	Florian FEYNE	Heterogeneous thermal ageing of an elastomeric seal
	IT	Nicolas SENICOURT	Investigation on the stability of nanoscale multilayered nitride coatings under helium radiation
	IT	Renaud GENIN	Characterization of surface hardening and fatigue behaviour of titanium alloys induced by multi interstitial surface treatments
	IT	Valentin BERRY	Electric charge distribution study at solid and liquid interface and liquid / liquid interface by electroacoustic method

	IT	Lara ALOMARI	Interaction between a plasma discharge and a liquid surface : study of the physicochemical phenomena at liquid-gas and solid-liquid interfaces
10:30-10:50	Coffee break		
10:50-12:10	First year PhD students - 2 (10')		
	IT	ABDOUSSALAM Mhadji	Modelling the behaviour of composite materials subjected to thermomechanical loading
	IT	Ihssan MATAR	Use of dielectrophoretic force to supply gravity in thermal exchange in space
	IT	Flora PARROTIN	Effect of acidic conditions on confinement properties of porous media rich in analcime
	IT	Lucas MENEZ	Development of immersed boundary methods for the study of fluid structure coupled problems
	IT	Camille COTTENOT	Catalytic ignition and dynamics of storable propellants combustion
	IT	Kimheng MENG	Mechanism of damage by buckling of thin film : Influence of microstructure and plasticity
	IT	Mohamed SAADANA	joint experimental and numerical study of transfers and chemical reactions at interfaces in a catalytic reactor for the transformation of methane and carbone dioxyde by non-equilibrium plasma
	IT	Hanane IDRIR	New alloys for application in severe environment (high stress and high strain rate)
12:10-14:00	Lunch - Food Truck		
14:00-14:30	Invited talk		
14:00-14:30	IT	Yves JOURLIN	Presentation of the Labex Manutech-SISE
14:30-15:10	Second year PhD students and Post-Doc		
14:30-14:50	IT	Arthur TAUSCH	Elaboration of perovskite thin layers with metal-insulator transition for infrared stealth
14:50-15:10	IT	Hatem BEN MAMOUD	Magneto-mechanical properties of thin films on stretchable substrate : in situ investigation by Magneto-Optical Kerr Effect and X-ray synchrotron diffraction
15:10-16:10	Master students projects (10')		
	IT	Julien RAMADE	Growth and plasmonic properties of nanoparticles: study by in situ optical spectroscopy

	IT	Bruno COUDOUR	Interaction of hydric and thermal stresses on structure of plants and their emissions
	IT	Thomas ORRIERE	Fundamental study of the plasma liquid interaction by topography of the liquid interface with the Schlieren method
	IT	Germain ROUSSEAUX	The circular jump as a white fountain analogue
	IT	Yen Fred WOGUEM	Atomic scale simulations of nanotwinned gold
16:10-16:20	Closure		
16:30-18:00	Cocktail		