

Towards understanding and modelling intense electronic excitation

General Meeting + MC Meeting
30 September & 1 October 2021
Marseille, France

PROGRAMME

Thursday, 30 September 2020	
8:30 – 9:15	Registration
9:15 – 9:30	Opening session
9:30 – 10:15	Alfredo Caro , George Washington University, USA <i>The future of nuclear energy, from materials science to economics</i>
10:15 – 10:45	Hans-Christian Weiskker , CINAM, France <i>Crucial Role of Conjugation in Ligand-Protected Metal Clusters with Aromatic Ligands: Insights from the Archetypal</i>
10:45 – 11:15	Coffee break
11:15 – 11:45	David Grojo , LP3, CNRS / Aix-Marseille, France <i>Internal structuring of silicon using ultrafast lasers</i>
11:45 – 12:15	Claudio Attacalite , CINAM, France <i>Exciton-phonon coupling in layered materials: the case of hexagonal boron nitride</i>
12:15 – 12:45	Gabriela Herrero Saboya , CNR-IOM, Italy <i>General Jahn-Teller models for defects in semiconductors</i>
12:45 – 14:15	Lunch
14:15 – 15:00	Gastón García , CMAM, Spain <i>Experimental activities and modelling challenges at CMAM</i>
15:00 – 15:30	Carlos Molpeceres , Universidad Politécnica de Madrid, Spain <i>New applications in laser bioprinting</i>
15:30 – 16:00	Coffee break
16:30 – 17:30	Round Table
19:30	Networking dinner (in a restaurant in the Vieux Port)

Friday, 1 October 2021	
9:15 – 10:00	Flyura Djurabekova , University of Helsinki, Finland <i>Electronic effects in MD simulations of SHI irradiation of 2D and 3D materials</i>
10:00 – 10:30	Thomas Jarrin , CEA-DAM-DIF, France <i>Inclusion of electronic effects into molecular dynamics simulations of collision cascades from first principles</i>
10:30 – 11:00	Coffee break
11:00 – 11:30	Natalia Koval , CIC nanoGUNE research center, Spain <i>Inelastic scattering of protons and electrons by liquid water: a time-dependent density-functional theory approach to radiation damage</i>
11:30 – 12:00	Víctor García Suárez , University of Oviedo, Spain <i>Characterization of graphene nanogaps for biotechnological applications</i>
12:00 – 12:15	Concluding remarks and closure of the general meeting
12:15 – 13:15	Management Committee meeting (only for MC members)



Meeting venue:
Amphithéâtre Jacques Derrien
Polytech, Luminy Campus
Aix-Marseille University