

PROGRAMME NANOTN-2022

04/05/2022, après-midi : arrivée des Participants

17h30	Ouverture Giancarlo FAINI (C2N/CNRS), Richard TAIEB (LCPMR)	
	Chairman: Giancarlo FAINI	
18h–18h30	Emmanuel LHUILLIER	Designing light matter coupling in nanocrystal film
18h30–19h	Nedjma BENDIAB	Phonons in 2D systems: an approach to optomechanics, optoelectronics and thermal transports
19h–19h30	Souhir Boujday	Fonctionnalisation de surfaces pour des applications biologiques des surfaces planes aux nanoparticules
05/05/2022		
	Chairman: Sandrine ITHURRIA	
9h00–9h30	Anna Proust	Electron transport properties: from polyoxo-tungstates/molydates molecular nanojunctions to tungsten oxide nanowires
9h30–9h45	Fabrice OEHLER	CVD growth of mono and bilayer WSe ₂
9h45–10h00	Geoffroy KREMER	Out of equilibrium dynamics of potassium doped black phosphorus studied by angle- and time- resolved photoemission
10h00–10h15	Anis CHIOUT	Extreme mechanical tunability in suspended MoS ₂ resonator controlled by Joule heating
Pause café (30 mn)		
	Chairman: Sébastien LEBEGUE	
10h45–11h15	Sangjun Park	Polarization resolved photoluminescence in van der waals heterostructures
11h15–11h45	Marco PALA	Electron transport properties of van der Waals hetero-structures with ab-initio methods
11h45–12h00	Julien CHASTE	Strain and heat in 2D Materials
12h-12h15	Zineb KERRAMI	Insights in black, blue, and green phosphorene/graphene interfaces
12h30 -14h Déjeuner		
	Chairman : Souhir Boujday	
14h–14h30	Sandrine ITHURRIA	Controlling the surface chemistry of nanoparticle to reach thicker semiconductor nanoplatelets of various shapes
14h30–14h45	Charlie GREBOVAL	Designing a camera from infrared nanocrystals
14h45–15h15	Ahmed NAITABDI	2D ultrathin films and nanoparticle metal-oxides: an in operando investigation of chemical reactions for catalytic applications
15H15–15h30	Sonia HADAOUI	Design and Investigation of Cu and Cu@ZnO nanocatalysts for the CO ₂ hydrogenation to methanol
Pause café (30 mn)		
	Chairman : Richard TAIEB	
16h–16h30	Talal MALLAH	Electric tuning of the luminescence of metal-chromophore molecules assembled in a single layer
16h30–17h	Saber GUEDDIDA	First principles calculations to investigate spin-crossover phenomenon in Fe complexes
17h–17h15	Yassine-Mohamed FATIHI	First-Principles Modeling of Dye Anchoring on CuAlO ₂ (O ₁₂) Surface: The Role of Copper Vacancies
17h15-18h30		Session Poster
19h30		Diner
06/05/2022		
	Chairman : Talal MALLAH	
8h30–9h	Yannick DAPPE	Electrostatique de surface et ondes de densité de charge dans les matériaux 2D
9h -9h30	Thibault BRULE	NanoGPS: une technologie au service de la recherche multimodale
9h30–10h00	Dominique MAILLY	Probing energy dissipation on short lengths in the integer Quantum Hall regime

10h–10h15	Sara LALKHOUIL	Chemical and mechanical damage study of primary Solar reflectors by Real exposure and accelerated ageing tests
Pause café 30 mn		
Chairman : Sofia BOUKHEIR		
10h45–11h15	Emiliano PALLECCHI	Two dimensional materials for high-frequency device
11h15–11h45	Abderrahim RAMDANE	2D materials for photonic applications
11h45–12h	Majid EL KASSAOUI	High-capacity reversible hydrogen storage in two-dimensional materials (2D): A combination of DFT and ab initio molecular dynamics study
12h -14h Déjeuner		
14h-20h	Temps Libre	
20h Diner		
07/05/2022		
Chairman : Ahmed NAITABDI		
9h – 9h30	Abdelillah BENYOUSSEF	Conception de matériaux et nanomatériaux pour la production et le stockage d'hydrogène : Modélisation et Simulation
9h30 – 9h45	Zouhir MANSOURI	Peering into Recent Advances in Passivation Strategies of Few-Layer Black Phosphorene Toward Battery Anodes
9h45 – 10h	Abderrahim BAKAK	Rheological properties of nano-fluids graphene/ethylene glycol
Pause café 30 mn		
Chairman : Abdelillah BENYOUSSEF		
10h30–11h	Basile HERZOG	Gold standard finite temperature simulations of materials via machine learning
11h–11h15	Abdellatif Hasnaoui	Electronic properties of manganite perovskites $\text{Ca}_{1-x}\text{Sr}_x\text{MnO}_3$
11h15–11h30	Driss LAHBOUB	Dynamics of colloidal particles by the Basset digital filter method
Clôture		
12h-14h30 Déjeuner et départ		