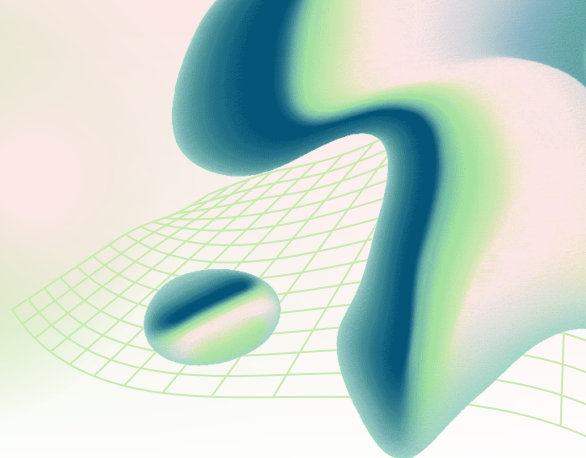


PROGRAMME

NANO-TN 6th, 22-25 avril 2025
Marrakech, Maroc



Mardi 22 avril, après-midi : arrivée des Participants

17h00	Ouverture: Richard Taïeb	
	Session 1. Chairman: Richard Taïeb	
17h20-17h50	Souhir Boujday	Design & Surface Chemistry of Plasmonic Nanomaterials with Unconventional Geometries for Biosensing and Nanomedicine
17h50-18h20	Nedjma Bendiab	Phonons in 2D systems: an approach to optomechanics, optoelectronics and thermal transports
18h20-18h50	Geoffroy Prévot	Structure and growth mechanisms of epitaxial Xene layers

Dîner

Mercredi 23 avril

Session 2. Chairman: Iann Gerber

08h45-09h15	Georges Bouzerar	Generating long-distance magnetic couplings with flat bands
09h15-09h45	Fausto Sirotti	Spectroscopie des photoélectrons pompe/sonde résolue en temps : la structure électronique pour étudier les transitions de phase
09h45-10h00	Saida Mtakham	DFT simulation of a Ferroelectric/Ferrimagnetic heterojunction for enhanced photocatalytic water splitting
10h00-10h15	Mohammed Benchti	Ab Initio Study of Phosphorene with ASE/GAPW

Pause café (30 min)

Session 3. Chairwoman: Souhir Boujday

10h45-11h15	Nébéwia Griffete	Development of Molecularly Imprinted Polymer Nanoparticles for Nanomedicine
11h15-11h45	Latifa Bergaoui	Valorization of Tobacco Industry Waste: Bio-Insecticide Development Using Chitosan and Clay
11h45-12h15	Anne Vallée	Chemo-Phototherapeutic Effect of Polyoxometalate-Stabilized Gold Nanostars for Cancer Treatment

Déjeuner 01 h 45 min

Session 4. Chairman: Sébastien Lebègue

14h00-14h30	Iann Gerber	Theoretical exploration of the intimate nature of excitons in 2H-transition metal dichalcogenide bilayers
14h30-15h00	Meryem Bouaziz	Control of hybridization in van der Waals epitaxy of PtSe ₂ /graphene and PtSe ₂ /h-BN heterostructures
15h00-15h30	Marco Pala	Electron transport properties of van der Waals hetero-structures with ab-initio methods
15h30-16h00	Gaia Di Berardino	Auto-organization of 2H 3R lateral boundaries in bilayer WSe ₂ grown by chemical vapor deposition

Pause café (30 min)**Session 5. Chairman: Julien Chaste**

16h30-17h00	Gilles Patriarche	Crystal phase selection in semiconductor nanowires
17h00-17h30	Axel Wilson	In situ tracking of the restructuring of nanostructures in reactive condition
17h30-18h00	Laetitia Vincent	Epitaxy of hexagonal Ge-2H: lessons from in situ TEM observations
18h00-19h00	Poster session	

19h30: Dîner

Jeudi 24 avril

Session 6. Chairman: Talal Mallah

08h45-09h15	Charles Renard	Defect-free AlGaAs μ -crystals integration on silicon platform
09h15-09h45	Amaury Delamarre	Exfoliable III-V thin film growth assisted by graphene
09h45-10h00	Hafsa Ameziane	Phase controlled epitaxy of wurtzite ZnS thin films by metal organic chemical vapor deposition
10h00-10h30	Mohamed Boutchich	Power factor of low dimensional materials ($\text{Bi}_2\text{O}_2\text{Se}$ and PdPS) for thermoelectric applications

Pause café (30 min)

Session 7. Chairman: Geoffroy Prévot

11h00-11h30	Talal Mallah	Ni(II) complexes as quantum bits with a clock transition
11h30-11h45	Laurie Dentz	Développement de texturation de surface pour la croissance épitaxiale latérale de III-V/S
11h45-12h15	Zouheir Sekkat	Creating Work from Polymers by Light
12h15-12h45	Florence Volatron	2D assemblies of polyoxometalates onto flat substates

13h00: Déjeuner

Après-midi libre (visites & excursions...)

Vendredi 25 avril

Session 8. Chairwoman: Nébéwia Griffete

09h00-09h30	Guilhem Simon	Raman spectroscopy analysis: from structural characterisation to environmental applications
09h30-09h45	Imane Hamideddine	Optical Characterization of Nanothin Films by Surface Plasmon Spectroscopy
09h45-10h00	Aimad Belboukharl	First principles hysteresis loop modeling using a finite electric field approach accessible via the berry polarization: applications and insights

Pause café (30 min)

Session 9. Chairman: Zouheir Sekkat

10h30-11h00	Fabrice Oehler	CVD growth of mono and bilayer WSe ₂
11h00-11h15	Souad Ait Saghir	Effect of Lanthanum doping on structural, dielectric and ferroelectric properties
11h15-11h30	Hassan Aarab	Dielectric properties of hybrid nanofluids based on graphene and silicon oxide
11h30	Clôture	

12h00: Déjeuner

Départ