



12 - 13 FEBRUARY @ INSA TOULOUSE

SCIENTIFIC PROGRAM - 2026

FEBRUARY 12th : amphi Léonard de Vinci

MORNING

THURSDAY **12**
FEBRUARY

ROOM: AMPHI LEONARD DE VINCI

8:45- 9:00	Introduction – Xavier Marie, NanoX Director – Xavier Bouju, FeRMI director
9:00 - 9:40	Clément Sire (LPT) : Quand des pauvres petits poissons sont confrontés à l'IA, la réalité virtuelle, des robots et des drones
9:40 - 10:00	Domnique Toublanc (LCAR) : Analyse critique des correspondances entre le problème de Thomson classique et la structure atomique électronique: un problème de symétries ?
10:00 - 10:20	Eszter Dudàs (LCAR) : Electron-Induced Fragmentation Dynamics of 1-Methylpyrene Dications and Trications: C_2H_x Release Pathways

COFFEE BREAK - (AMPHI LEONARD DE VINCI)

11:00 - 11:40	Cyril Martins (LCPQ) : De la physique d'une impureté à la physique des matériaux : une introduction à la théorie du champ moyen dynamique et ses applications
11:40 - 12:00	Eric-Daiann Sosa Carrizo (LPCNO) : Bridging DFT and Machine Learning: Interpretable Descriptors for Catalysis in Low-Data Regimes
12:00 - 12:20	Megha Arya (CEMES) - Anisotropic Dzyaloshinskii-Moriya Interactions in Triangle Lattices

12:20 - 13:30 -----

LUNCH - ROOM : GM - 312 (GÉNIE MÉCANIQUE)





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AFTERNOON

THURSDAY **12**
FEBRUARY

ROOM: AMPHI LEONARD DE VINCI

13:40 - 14:20	David Guéry-Odelin (LCAR) : Experimental studies of quantum chaos phenomena with Bose Einstein condensates
14:20 - 14:40	Soham Schandak (LPT) : Low energy spectrum of a one-dimensional Bose-Fermi mixture
14:40 - 15:00	Ivan Khaymovich (LPT) : Ergodicity breaking phases of matter: quantum multifractality
15:00 - 15:20	Carlos Mejuto-Zaera (LPT) : Finding a Band Structure Theory for Strongly Correlated Electrons: The Ghost Gutzwiller Perspective

COFFEE BREAK (AMPHI LEONARD DE VINCI)

16:00 - 16:40	Hugo Lourenço Martins (CEMES) : Nano-optical Chirality and Phase seen through the prism of electron microscopy
16:40 - 17:00	Rolf Lortz (LNCMI) : High temperature superconductivity with giant pressure effect in networks of boron doped ultra-thin carbon nanotubes
17:00 - 17:20	Poulab Chakrabarti (LPCNO) : Rydberg Excitons in Natural Cu ₂ O: Spatio-Temporal Dynamics and Quantum-Sensing Potential
17:20 - 17:40	Hugo Schaal (CEMES) : Alliages de titane biomédical par fusion laser sur lit de poudre : du design aux propriétés mécaniques

17:40 - 19:00 ----- POSTERS + EVENING COCKTAIL (LOCATION: ESPACE PIERRE ET MARIE CURIE)

PROGRAM CONTINUED ON NEXT PAGE ➡





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FRIDAY **13**
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ROOM: AMPHI LEONARD DE VINCI

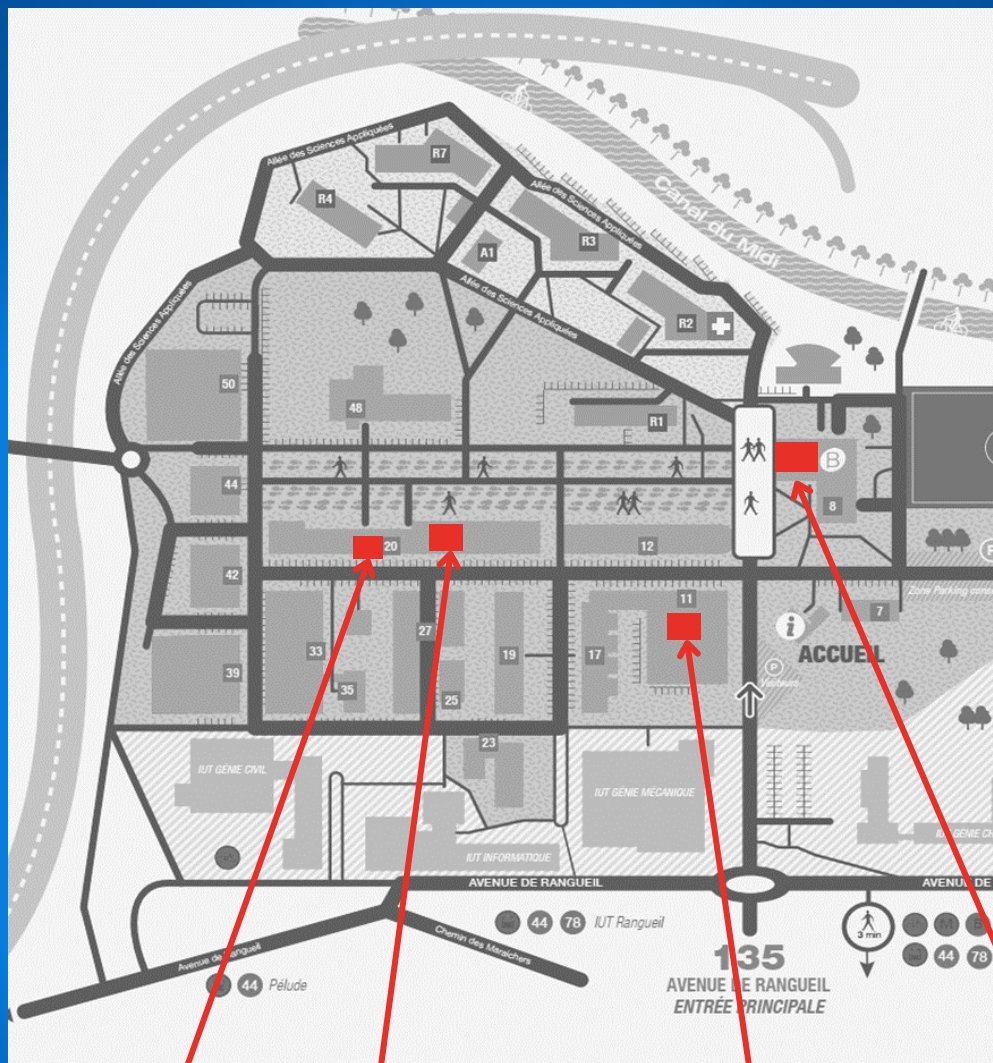
9:00 - 9:40	Bruno Chaudret (LPCNO) : Magnetism and Catalysis : from a fundamental approach to applications
9:40 - 10:00	Maxime Leroux (LNCMI) : Superconducting critical current measurements in pulsed magnetic field up to 60 T
10:00 - 10:20	Marie Hélène Pietraru (LPCNO) : Low-tech processes for solar metallurgy
10:20 - 10:40	Dominik Lungerich (CEMES) : Molecular Parameters and Mechanisms in Electron-Beam Chemistry

COFFEE BREAK (AMPHI LEONARD DE VINCI)

11:20 - 12:00	Geert Rikken (LNCMI) : Phonon magneto-chiral anisotropy
12:00 - 12:20	Bérangère Argence (LCAR) : Refimeve à Toulouse
12:20 - 12:40	Jan Brandejs (LCPOQ) : Making chemistry code scale on GPU-based supercomputers



MAP



**ROOM IDEFI / 107 SAB
AUDITIONS**

**PIERRE ET MARIE CURIE HALL :
POSTERS EVENING COCKTAIL**

GM - 312 (GENIE MECANIQUE)

AMPHI LÉONARD DE VINCI : SCIENTIFIC PRESENTATIONS