

GBP/GS Oral Presentation Program

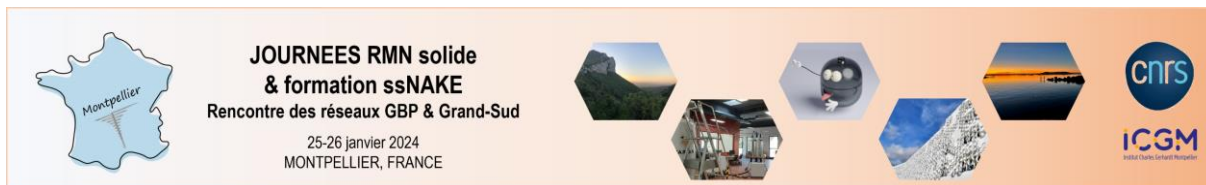
Amphithéâtre de la DR13 – 1919 route de Mende, 34090 Montpellier

Jeudi 25 janvier 2024

FIRST SESSION (moderator : Elodie Salager – CEMHTI Orléans)	
14h00-14h10	Introduction
14h10-15h10	Lauriane Lecoq (IBCP, Université Lyon 1) « <i>Solid-state NMR of viral ribonucleoprotein complexes</i> »
15h10-15h30	Xavier Falourd (INRAE Nantes, Pays de la Loire) « <i>Solid-state NMR 1H -> ^{13}C polarization transfer kinetics to investigate interactions in starch and cellulose-based assemblies</i> »
15h30-15h50	Yannick Coppel (LCC Toulouse) « <i>Solid State NMR study of heterostructured ZnO@ZnS nanoparticles</i> »
15h50-16h10	Shadi Alarab (MEM, CEA Grenoble) « <i>Probing surface chemistry of halogenated Perovskite nanocrystal using NMR and DNP</i> »
16h10-16h40	COFFEE BREAK
SECOND SESSION (moderator : Christian Bonhomme – Sorbonne Université)	
16h40-17h00	Guillaume Laurent (Sorbonne Université, Paris) « <i>How to calibrate all your experiments with a single reference ?</i> »
17h00-17h20	Céline Moussa (Université de Lille) « <i>Probing surface of plasmonic photocatalysts using solid-state NMR</i> »
17h20-17h40	Paul Subhradip (MEM, CEA Grenoble) « <i>Sustainable and cost-effective MAS DNP-NMR at 30 K</i> »
17h40-18h00	Arthur Listwan (LSDRM, CEA Saclay) « <i>Résonance Magnétique Nucléaire appliquée aux matériaux pour le Tritium</i> »

Vendredi 26 janvier 2024

FIRST SESSION (moderator : Anne Lesage – CRMN Lyon)	
9h00-10h00	Olivier Lafon (Université de Lille) « <i>Ultra-high-field NMR: new opportunities to probe atomic-level structure of materials</i> »
10h00-10h20	Ieva Goldberga (Sorbonne Université, Paris) « <i>Cryo-stopped flow methodology for studying pre-nucleation species via solid-state NMR</i> »
10h20-10h40	Rishit Yadav (ICGM, Montpellier) « <i>^{17}O labeling of bone components and their ssNMR analysis.</i> »
10h40-11h00	COFFEE BREAK
SECOND SESSION (moderator : Franck Fayon – CEMHTI Orléans)	
11h00-11h20	Martí Ninot Pedrosa (IBCP, Université Lyon 1) « <i>Combination of solution and solid-state NMR at fast MAS for the structural characterization of SARS-COV-2 ORF6 membrane protein</i> »
11h20-11h40	Thomas Robinson (CRMN, Lyon) « <i>New DNP MAS NMR methods towards the characterization of extremely dilute surface species in platinum-based heterogeneous catalysts</i> »
11h40-12h00	Hu Hanyu (Institut des Matériaux de Nantes) « <i>Mécanismes de dissolution de l'iode dans les verres d'aluminoborosilicate à haute pression révélés par Spectroscopie RMN</i> »
12h00-12h20	Katharina Märker (MEM, CEA Grenoble) « <i>Operando NMR of Li-ion batteries: Studying phase transformations and Li mobility changes in LiNiO₂ cathodes</i> »
12h20-12h30	Concluding remarks



Program ssNAKE training workshop

Program for 25 January morning

- * 9:00 to 9:30 AM - welcome to ssNake participants around coffee and tea, in room Balard 1
- * 9:30 to 10:00 AM - installation of python requirements and ssNake on the computers
- * 10:00 to 10:45 AM: general presentation of ssNake
- * 10:45 AM to 11:00 AM: coffee break
- * 11:00 AM to 12:30 AM: first "hands-on" sessions on basic processing & fitting using with ssNake. This will be done in small groups. (Depending on your topic of research, and level of expertise we can make sub-groups for CSA fitting, or quadrupolar fitting, and/or both).

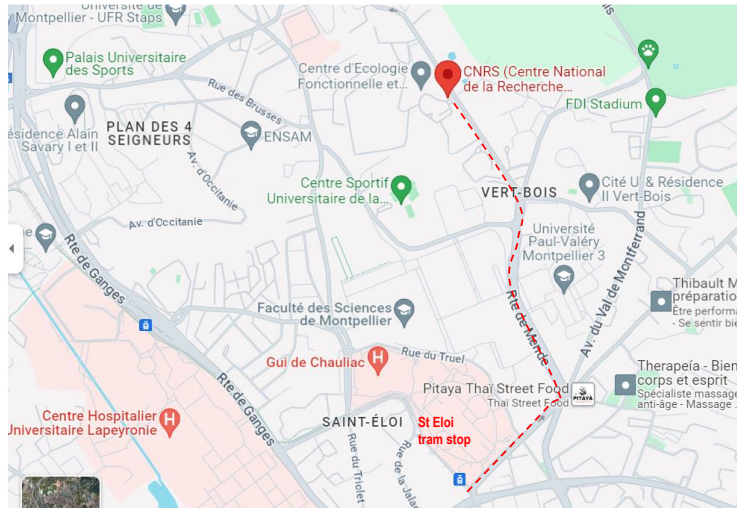
Program for 26 January afternoon

- * 2:00 PM to 4:15 PM: hands on tutorials (depending on the expectations), in small groups, with a focus on "linked parameters". Examples of tutorials: multifold-fitting, simultaneous fitting of CSA & MAS data, EXSY, VOCS, QCPMG, MQMAS- processing and fitting, Quadrupolar distributions/Czjzek etc
- * 4:15 PM to 4:30 PM: coffee break
- * 4:30 PM to 5:30PM: Q&A about ssNake and future developments

Map to the DR13 conference amphitheater in Montpellier

Remember to have your QR codes ready !!!

- 1/ take tram 1 line (blue one, with birds), towards « La Mosson »
-> you can't buy tram tickets at the tram stops. You can only pay via the app M'ticket (or by flashing QR-codes directly in the tram) ?
- 2/ get off at St Eloi (~20-25 min ride from the train station Montpellier St Roch)
- 3/ walk up to the CNRS campus (1919 route de Mende), following the map below (dashed red line : ~20-25 min walk)
- 4/ At the gate : show your QR-code to enter the CNRS campus.
The DR13 amphitheater is 1 min walk from to the main entrance !



😊 **FREE social event on Thursday evening in the Montpellier city center** 😊
- starting at 7 :45 PM -

La Gazette café
6 rue Levat, 34000 Montpellier

