

2019 Spin-NANO Meeting on Nanophysics, Toulouse

Monday 18th of March : Evening : arrival and welcome

Tuesday 19th of March

9.00 – 10.00am	“Introduction to nano-scale Magnetometry with NV centres” Friedemann Reinhard, TU Munich
10.00 – 11.00 am	“Electronic structure calculations with Density Functional Theory: the specific case of 2D materials.” Iann Gerber, LPCNO Toulouse
11.00 – 11.30 am	Coffee break
11.30 – 12.30 am	“Spin Noise spectroscopy and nuclear spin dynamics in GaAs” Masha Vladimirova, Laboratoire Charles Coulomb- Montpellier University
12.30 am – 2.00 pm	Lunch break
2.00 – 3.00 pm	“Optical properties of hexagonal boron nitride” Guillaume Cassabois, Laboratoire Charles Coulomb- Montpellier University
3.00 – 4.00 pm	“Time resolved Transmission Electron Microscopy ” Arnaud Arbouet, CEMES Toulouse
4.00 – 6.00 pm	Poster Session & Discussions
8.00 pm	Meal in City Centre for ITN ESRs, Supervisors and invited speakers Restaurant “ Du Plaisir à la toque ”, 9 rue des Blanchers, 31000 Toulouse

Wednesday 20th of March

9.00 – 10.00am	“Introduction to Machine Learning and Artificial Intelligence” Peter Wiecha, CEMES Toulouse
10.00 – 11.00 am	“Introduction to Nuclear Magnetic Resonance spectroscopy : Part I” Yannick Coppel, LCC Toulouse
11.00 – 11.30 am	Coffee break
11.30 – 12.30 am	“Introduction to Nuclear Magnetic Resonance spectroscopy: Part II” Yannick Coppel, LCC Toulouse
12.30 am – 2.00 pm	Lunch break
2.00 – 3.00 pm	“Introduction to Exciton and Spin-valley Dynamics in 2D semiconductors” Bernhard Urbaszek, LPCNO Toulouse
3.00 – 5.00 pm	Discussions & optional laboratory visit