

## Wednesday 5th June 2024

14:30 15:00 Arrival of attendants

15:00 15:30 Opening remarks

15:30 16:00 Mathias Vanwolleghem

*Institute of Electronics Microelectronics and Nanotechnology*

**THz photoacoustic detection of food spoilage indicators**

16:00 16:30 Christelle Kadlec

*Institute of Physics of the Czech Academy of Sciences*

**THz spectroscopy at FZU**

16:30 17:00 Christophe Consejo

*Laboratoire Charles Coulomb (L2C), CNRS-Université de Montpellier*

**Landau emission from 2D Dirac fermions in HgTe QWs**

17:00 20:00 Poster session and Welcome reception

## Thursday 6th June 2024

9:00 9:30 Aurélien Manchon

*Aix-Marseille Univ, CNRS, CINaM*

**Theory of orbital generation, diffusion, and detection**

9:30 10:00 Vincent Repain

*Matériaux et Phénomènes Quantiques, Université Paris Cité*

**Vectorial magnetometry with magneto-optical spectroscopy**

10:00 10:30 Karel Výborný

*Institute of Physics of the Czech Academy of Sciences*

**Anomalous spectroscopical and DC transport effects in magnetically ordered systems**

10:30 10:45 Coffee break

10:45 11:15 Vojtěch Uhlíř  
*CEITEC BUT, Brno University of Technology*  
**Ultrafast Control and Dynamics of Metamagnetic Transitions in FeRh Nanostructures**

11:15 11:45 Jan Zemen  
*Czech Technical University in Prague, Faculty of Electrical Engineering*  
**Non-collinear magnetism in Mn-based antiperovskite nitrides**

11:45 12:15 Jakub Železný  
*Institute of Physics of the Czech Academy of Sciences*  
**Non-Relativistic Spin Currents and Torques in Antiferromagnets**

12:15 14:00 Lunch

14:00 14:30 Sergei Kruglik  
*Sorbonne University, Université Paris Cité*  
**Recent advances in Raman Tweezers Microspectroscopy for single nano-bioparticles research**

14:30 15:00 Nguyet-Thanh Ha-Duong  
*Université Paris Cité, ITODYS*  
**Plasmonic and magnetic nanostructures based on plant virus**

15:00 15:30 Haziq Naseer Khan  
*Université Paris Cité, ITODYS*  
**Grafting of Au NPs or Au@Ag-Au NPs over Tobacco mosaic virus for in-Solution Sensing Applications**

15:30 15:45 Coffee break

15:45 16:15 Jan Mistrík  
*CEMNAT, Faculty of Chemical Technology, University of Pardubice*  
**Optical properties of selected chalcogenides and their applications in nanophotonics and photothermal therapy**

16:15 16:45 Libor Veis  
*J. Heyrovsky Institute of Physical Chemistry*  
**Electronic structure calculations of polyradical nanographenes with peculiar magnetic properties**

16:45 17:15 Clément Faugeras

LNCMI Grenoble, CNRS

**Magneto-optics of magnetic ground states in van der Waals magnets**

19:30 23:00 Workshop dinner

**Friday 7th June 2024**

9:00 9:30 Florian Le Mardelé

*LNCMI Grenoble, CNRS*

**Magneto-optical response of magnon excitations in van der Waals layered antiferromagnets**

9:30 10:00 Michal Urbánek

*CEITEC BUT, Brno University of Technology*

**Mie-resonance-enhanced Brillouin light scattering microscopy for nanoscale spin wave research**

10:00 10:30 Nabil Challab

*Université Paris Cité, ITODYS*

**Magnetic nanostructures for straintronic applications: “Magneto-elastic control of spin waves”**

10:30 10:45 Coffee break

10:45 11:15 Guillaume Agnus

*C2N, Université Paris-Saclay*

**Oxide thin films processing: some examples on how to take advantage of perovskite properties into devices**

11:15 11:45 Stanislav Kamba

*Institute of Physics of the Czech Academy of Sciences*

**Terahertz field-induced magnetic moment and polar distortion in the quantum paraelectric diamagnets**

11:45 12:15 Tomáš Maleček

*Charles University, Faculty of Mathematics and Physics*

**Magneto-optical spectroscopy as a probe to magnetism and electronic structure**

12:15 12:45 Kamil Postava

*Technical University of Ostrava*

**Terahertz time-domain spectroscopic ellipsometry**

12:45 13:00 Closing remarks

13:00 Lunch