

Workshop Programme

Wednesday 1st February 2023

15.30		Arrival of attendants
16.00	19.00	Poster session & Welcome Reception

Thursday 2nd February 2023

9.00	9.20	Thierry Melin Presentation of the Institute & its key research activities director IEMN
9.20	9.30	Veronique Debord-Lazaro Cooperation tools to support Czech-French scientific cooperation French Embassy in Prague
9.30	10.00	Martin Veis Magneto-optical spectroscopy as a probe to electronic structure and magnetism of materials and nanostructures Institute of Physics, Charles University, Prague
10.00	10.30	Béatrice Dagens Magneto-plasmonic slot waveguides C2N, CNRS Université Paris Saclay
10.30	11.00	Alberto Amo Artificial magnetism and topology in photonic lattices PHLAM, CNRS Université Lille
11.00	11.15	Coffee Break
11.15	11.45	Mathieu Jeannin Strong light-matter interaction and optical non-linearities for novel mid-IR devices C2N, CNRS Université Paris Saclay
11.45	12.15	Fabio Pavanello Harnessing complexity in photonics for neuromorphic computing and security applications INL, CNRS Ecole Centrale Lyon
12.15	12.45	Jiří Petráček Photonic waveguides and waveguide arrays with bound states in the continuum Institute of Physical Engineering, FME, BUT, Brno
12.45	14.00	Sandwich Buffet Lunch
14.00	14.30	Frédéric Teppe Terahertz cyclotron emission from Dirac fermions L2C, CNRS Université Montpellier
14.30	15.00	Jiří Hlinka Ferroelectric skyrmions and vortexons Dept Dielectrics, FZU Prague
15.00	15.30	Henri Jaffrès Dynamical spin-charge conversion at the surface of topological insulators probed by THz-TDS spectroscopy UMPhy Thales, Ecole Polytechnique
15.30	15.45	Coffee Break
15.45	16.15	Cristiane Nascimento Santos THz scanning near-field optical microscopy IEMN, CNRS Université Lille
16.15	16.45	Kamil Postava THz time domain spectroscopic ellipsometry IT4Innovations Technical University Ostrava
16.45	17.15	Petr Kužel Ultrafast THz photoconductivity in GaAs nanobars: charge carrier confinement beyond geometry THz spectroscopy, Institute Physics, FZU Prague
19.30	24.00	Workshop Dinner in Lille

Friday 3rd February 2023

9.00	9.30	Tomas Jungwirth	Dept Spintronics, FZU Prague	From ultrafast antiferromagnetic spintronics to altermagnetism
9.30	10.00	Jon Gorchon	IJL, CNRS Université de Lorraine Nancy	THz spin currents
10.00	10.30	Jakub Zázvorka	Institute of Physics, Charles University, Prague	Engineering of magnetic coercivity and saturation magnetization by interface modification
10.30	10.45	Coffee Break		
10.45	11.15	Tomáš Šikola	CEITEC & Institute of Physical Engineering, FME, BUT, Brno	Plasmonic approach in THz EPR
11.15	11.45	Sukhdeep Dhillon	LPENS, CNRS Université Paris Sorbonne	Ultrafast Terahertz Photocurrents in 2D Transition Metal Dichalcogenides
11.45	12.15	Milan Orlita	LNCMI CNRS UGA Grenoble	Magneto-optics in 2D Materials
12.15	12.45	Frank Hindle	LPCA, Université Littoral Côte d'Opale, Dunkerque	Instrumentation for High Resolution THz Spectroscopy
12.45	13.30	Lunch break		
13.30	16.00	Lab excursion Guided tour of IEMN's clean room facilities and characterization platform		