

5th international workshop on electron dynamics

Maison Internationale de la Recherche,
CYU Neuville, 25th March 2022



NEW TECHNOLOGIES
RESEARCH CENTRE
UNIVERSITY
OF WEST BOHEMIA

Welcome			
9h30			
9h45	<i>C. Sanders</i>	Valley-Selective Dichroisms in Bilayer MoS ₂	Morning session I <i>ARPES exp.</i>
10h	<i>J. Schusser</i>	Spectroscopic signatures of non-trivial topology in Weyl semimetals	
1h15	<i>S. Beaulieu</i>	Probing Local Orbital Properties of 2D Materials using Novel Dichroisms in (tr)ARPES	
10h30	<i>F. Alarab</i>	Proximity-induced spin-orbit interaction in MoSe ₂ overlayered with amorphous Pb films	
10h45	<i>L. Perfetti</i>	Ultrafast dimerization melting in the Peierls-Mott insulator 1T-TaS ₂	
Coffee break and poster session (45min)			
11h45	<i>D. Sébilleau</i>	Modelling plasmon peaks in photoemission: the dielectric function issue	Morning session II
12h	<i>S. W. D'Souza</i>	Role of chemical disorder in tuning the Weyl points in vanadium doped Co ₂ TiSn	<i>ARPES theory</i>
12h15	<i>M. Battiatto</i>	TORTOISE: The first Boltzmann solver for far-from-equilibrium dynamics	
12h30	<i>S. A. Khan</i>	Electronic structure of β-SiAlON: effect of Al/O doping and of finite temperature	
12h45	<i>V. Gorelov</i>	Delocalization of dark and bright excitons in flat-band materials and the optical properties of V ₂ O ₅	
Lunch break (1h30)			
14h30	<i>M. Fanciulli</i>	Magnetic helicoidal dichroism in resonant scattering with XUV light vortices	Afternoon session I
14h45	<i>G. S. Chiuzbaian</i>	Time-resolved resonant inelastic x-ray scattering studies of strongly correlated electron systems: status and perspectives	<i>Scattering and absorption</i>
15h	<i>R. Géneaux</i>	Condensed matter dynamics probed with attosecond transient absorption spectroscopy	
15h15	<i>H. Dil</i>	Stochastic resonance switching in a spin glass	
Coffee break and poster session (30min)			
16h	<i>P. Dudin</i>	ANTARES: instrument for spatially-resolved characterization of electronic structure of 2D materials	Afternoon session II
16h15	<i>A. Tejeda</i>	Spin-polarized electron source with arbitrary spin direction tuning for inverse photoemission	<i>Instruments</i>
16h30	<i>A. Nicolaou</i>	MAGELEC: A novel sample environment for Resonant Inelastic X-ray Scattering in electric and magnetic fields	
16h45	<i>D. Bresteanu</i>	ATTOLab FAB10: a versatile and integrated beamline for attosecond physics on gases and surfaces	
17h	<i>M. Malvestuto</i>	The MagneDyn beamline at the FERMI free electron laser	
Coffee break and poster session (30min)			
17h45	<i>J. Sadowski</i>	Molecular beam epitaxy grown topological semimetals	Afternoon session III
18h	<i>V. Skákalová</i>	Toward Exotic Layered Materials: 2D Cuprous Iodide	<i>Samples</i>
18h15	<i>G. Bell</i>	Molecular beam epitaxy with in situ analysis for quantum materials	
18h30	<i>G. Trambly</i>	To be confirmed	
18h45	<i>A. Honecker</i>	Magnetism of magic-angle twisted bilayer graphene	
19h		Dinner at Cergy-Port	