

Morning Program

Sixth Banff Meeting on Structural Dynamics

Saturday February 9, 2019	Sunday February 10, 2019	Monday February 11, 2019	Tuesday February 12, 2019	Wednesday February 13, 2019
<p>Registrants expected to arrive throughout day</p> <p>Check in at Professional Development Centre</p>	07:00 Breakfast Vistas Dining Room	07:00 Breakfast Vistas Dining Room	07:00 Breakfast Vistas Dining Room	07:00 Breakfast Vistas Dining Room
	07:50 Head to Max Bell Bldg.	07:50 Head to Max Bell Bldg.	07:50 Head to Max Bell Bldg.	07:50 Head to Max Bell Bldg.
	08:00 Welcome and Introduction	08:00 Lutz Waldecker Electron and Phonon dynamics in WSe ₂	08:00 Francois Légaré Tracking the Phase Transition in VO ₂ using High Harmonic Spectroscopy	08:00 Heiner Friedrich Quantitative electron microscopy of dynamic processes
	08:20 Anton Barty Megahertz single-shot X-ray diffraction	08:30 Shin-Ichiro Ideta Photodoping Driven Ultrafast Dissolution and Creation of Bonds in IrTe ₂	08:30 Claus Ropers Ultrafast electron imaging and diffraction of one- and two-dimensional charge-ordered systems	08:30 Giulia Mancini Ultrafast dynamics of photo-excited systems: harnessing the power of coherent X-ray light
	08:50 Joachim von Zanthier Quantum Imaging with incoherent X-rays	09:00 Nicolas Rivas Metastable High Temperature Orthorhombic Phase in 1T-MoTe ₂	09:00 Michael Horn von Hoegen Optically excited structural transition in atomic wires on surfaces at the quantum limit	09:00 Ulrich Lorenz Watching Nanodroplets Jump
	09:20 Robert Bücker Serial electron crystallography	09:20 Ajay Jha Intermolecular vibrations drive ultrafast singlet fission	09:20 Klaus Sokolowski-Tinten Microscopic energy flow dynamics in Fe/MgO heterostructures	09:20 Mathijs Garming High-resolution ultrafast laser-pump electron-probe microscopy for imaging semiconductor carrier dynamics
	09:40 Daniele Filippetto Relativistic probes for the next generation of ultrafast electron-based instrumentation	09:40 Hong-Guang Duan Ultrafast phonon dynamics in lead halide perovskites	09:40 Alexander Föhlisch Tracing the active atomic sites in photochemistry with soft X-ray resonant inelastic X-ray scattering	09:40 Dominik Ehberger Femtosecond and attosecond electron pulse control with optical field cycles
	10:00 Coffee Break	10:00 Coffee Break	10:00 Coffee Break	10:00 Coffee Break
	10:40 Masaki Hada Ultrafast structural dynamics of soft matter	10:40 Sophie Canton Tracking the photoinduced formation of polarons in lead halide nanocrystals with ultrafast X-ray techniques	10:30 Pietro Musumeci Frontiers in Ultrafast Relativistic Electron Diffraction	10:30 Christian Kisielowski Discovering Hidden Material Properties of MgCl ₂ With Structured Temporal Electron Illumination
	11:10 Jeffrey Donatelli Macromolecular Reconstruction from Experimental Fluctuation X-ray Scattering	11:10 Thomas Elsaesser Phonon-Induced Charge and Polarization Dynamics - New Insight from Femtosecond X-Ray Diffraction	11:00 Nicholas Matlis THz Acceleration for Compact Electron & X-ray Sources	11:00 David Flannigan Imaging Coherent and Incoherent Nanoscale Structural Dynamics with Ultrafast Electron Microscopy
	11:40 Eike Schultz Time resolved structural analysis of the full turnover of an enzyme	11:40 Jens Biegert Attosecond soft X-ray absorption fine structure spectroscopy in graphite	11:20 Jom Luiten Coldlight: from laser-cooled atoms to coherent soft X-rays	11:30 Bryan Reed Compressive-Sensing Video in a Transmission Electron Microscope via Electrostatic Subframing
	12:00 Adam Kirrander Ultrafast scattering: Chemical dynamics and beyond	12:00 Laurent P. René de Cotret Mapping momentum-dependent electron-phonon coupling and phonon dynamics in two-dimensional materials using ultrafast electron diffuse scattering	11:40 Jim Cao Nanoscale Thermal Transport across the GaAs/AlGaAs interface	11:50 Lunch Vistas Dining Room
	12:20 Lunch Vistas Dining Room	12:20 Lunch Vistas Dining Room	12:00 Lunch Vistas Dining Room or Start early on Free Afternoon	

Afternoon Program

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Registrants expected to arrive throughout day Check in at Professional Development Centre	13:30 Head to Max Bell Bldg.	13:30 Head to Max Bell Bldg.	Free Afternoon Recommend finding groups for skiing, hiking, or doing things in town	Conference ends with lunch
14:00 Registration table open Max Bell Building	13:40 Josh Vura-Weis <small>What did the metal know, and when did she know it? Ultrafast XUV spectroscopy of photocatalysts and spin crossover complexes</small>	13:40 Jie Yang <small>Imaging photodissociation, nonadiabatic wavepacket splitting and electrocyclic ring opening reactions by MeV ultrafast gas electron diffraction</small>		
	14:10 Yifeng Jiang <small>Structural effects of ligands in a spin crossover [Fe(bpy)₃](PF₆)₂ crystal revealed by time-resolved electron diffraction</small>	14:10 Xijie Wang <small>Future of Megaelectronvolt Ultrafast Electron Diffraction & Imaging</small>		
	14:30 Maria Naumova <small>Structural dynamics of photoinduced charge transfer in a dicopper(I)-disulfide complex</small>	14:30 Nadja Hartmann <small>Tracking the ultrafast excited state dynamics of the acetylene cation C₂H₂⁺</small>		
	14:50 Martin Otto <small>How optical excitation controls the structure and properties of vanadium dioxide</small>	14:50 Joao Pedro Figueira Nunes <small>Study of the photolysis dynamics of o-nitrophenol by MeV ultrafast electron diffraction</small>		
	15:10 Coffee Break	15:10 Coffee Break		
	15:50 Peter Weber <small>Ultrafast Time-Resolved X-Ray Scattering of Free Molecules</small>	15:50 Poster Jam One quick single-slide talk for each poster		
	16:20 Roseanne Sension <small>Polarized Time-Resolved X-Ray Absorption Reveals Excited State Structural Dynamics</small>			
16:50 Jennifer Ruddock <small>Time-Resolved Gas-Phase X-Ray Scattering to Reveal Kinetics of Rydberg-Excited 1,3-Cyclohexadiene</small>				
17:00 Dinner on your own Many options in town Not covered by conference If eating on-site, suggested gathering place at MacLab Bistro, Kinnear Centre	17:10 Dinner on your own Many options in town Not covered by conference If eating on-site, suggested gathering place at MacLab Bistro, Kinnear Centre	17:20 Poster Session Appetizers and drinks		