

Agenda WavemiX workshop 2021

Day 1: Jan 13, 2021 (4pm-8pm CET, 7am-11am PST, 0am-4am JST)

Chair: Majed Chergui

Time	Speaker	Title
16:00-16:10	M. Chergui	Welcome
16:10-16:30	C. Svetina	WavemiX network
16:30-17:00	C. Masciovecchio	Invited talk: Perspective on FEL based Wave Mixing
17:00-17:20	J. Deschamps	Nanoscale Magnetic Gratings Generated and Probed by Femtosecond EUV Pulses
17:20-17:40	M. Zuerch	Nonlinear X-ray Spectroscopy: a novel probe for interfacial dynamics
17:40-17:50	-	Break
17:50-18:10	S. Reiche	Spectral Shaping at the SwissFEL Soft X-ray Beamline Athos
18:10-18:40	S. Mukamel	Invited talk: Ultrafast X-ray Stimulated Raman and Diffraction for Probing Molecular Coherences at Conical Intersections
18:40-19:00	S. Oberli	Time-Dependent Quantum Model for Attosecond X-ray Non-Linear Spectroscopy
19:00-19:20	S. Cavaletto	Resonant X-ray spectroscopy of selenophene with hard-X-ray pulses
19:20-19:50	D. Reis	Invited talk: Coherent spectroscopy of high wave-vector phonons
19:50-20:00	M. Chergui	Closing session

Day 2: Jan 14, 2021 (4pm-8pm CET, 7am-11am PST, 0am-4am JST)

Chair: Martin Beye

Time	Speaker	Title
16:00-16:10	M. Beye	Welcome
16:10-16:40	K. Nelson	Invited talk: X-ray Transient Grating & 2D Spectroscopy
16:40-17:00	N. Berrah	Research Opportunities with X-Ray Four-Waves Mixing Capability with FELs
17:00-17:20	D. Keefer	Monitoring Conical Intersection Signatures with Time-Resolved X-Ray Spectroscopy and Enhancing Them with Quantum Optimal Control
17:20-17:50	F. Stienkemeier	Invited talk: Phase cycling and coherent spectroscopy in the XUV domain
17:50-19:10	All WavemiX members	Open discussions (via REMO)
19:10-19:40	J. Rouxel	Invited talk: Bringing Transient Grating Spectroscopy into the X-ray regime
19:40-20:00	H. Marroux	XUV transient grating spectroscopy of electronic dynamics in spinel cobalt oxide
20:00-20:10	M. Beye	Closing session

Day 3: Jan 15, 2021 (4pm-8pm CET, 7am-11am PST, 0am-4am JST)

Chair: Claudio Masciovecchio

Time	Speaker	Title
16:00-16:10	C. Masciovecchio	Welcome
16:10-16:40	T. Pfeifer	Invited talk: Coherence effects in gas-phase nonlinear spectroscopy with SASE-FELs
16:40-17:00	M. Di Fraia	Observation of resonant two-photon ionization of He via a doubly excited state using superradiant FEL pulses
17:00-17:20	T. Ding	XUV-FEL chirp characterization by Transient Absorption Spectroscopy
17:20-17:40	R.Y. Engel - J. Schunck	Resonance-enhanced XUV-NIR four-wave mixing
17:40-17:50	-	Break
17:50-18:20	C. Boemer – D. Krebs	Challenging previous findings on x-ray parametric down conversion
18:20-18:40	D. Gorelova, J.S. Pelli Cresi, J.P. Marangos, W. Blachucki	Projects short presentation
18:40-19:50	All WavemiX members	Round table
19:50-20:00	WavemiX panel	Closing session and remarks