

Wavemix 2026 /COST Action NEXT Annual Meeting | program v1

Monday | 1 June 2026

	9:00	13:00	MC meeting - closed session for MC members only
	13:00	14:00	<i>Lunch on your own</i>
Session 1	14:00	15:30	chaired by ... TBD
	14:00	14:10	Welcome
	14:10	14:40	Fernando Martin — New advances in Attosecond Chemistry
	14:40	15:00	Axel Stenquist — Entanglement Control and Transfer: From Strong Coupling to Spontaneous Decay
	15:00	15:30	Margarita Khokhlova — Boosting XUV via high-order frequency mixing
	15:30	16:00	<i>coffee break</i>
Session 2	16:00	17:20	chaired by ... TBD
	16:00	16:30	Daria Gorelova — Theoretical description of attosecond imaging and spectroscopy
	16:30	16:50	Lorenzo Paoloni — Advancing Transient XPS Spectroscopy: Modeling Approaches for Large Molecular Systems
	16:50	17:20	Round Table Discussion with speakers

Tuesday | 2 June 2026

	9:00	10:00	Special program: EU grants to boost your career: ERC and MSCA Interactive training session — Cecilia Blasetti; Caterina Vozzi
Session 3	10:00	12:10	chaired by ... TBD
	10:00	10:30	Peter Kraus — Ultrafast nanoscopy by deactivated high-harmonic generation from solids
	10:30	10:50	Tamara Knyazyan — Enhanced Nonlinearity in Epsilon-Near-Zero (ENZ) Nanostructures: A Rigorous Wavelength-scale Electromagnetic Analysis
	10:50	11:20	<i>coffee break</i>
	11:20	11:40	Jakub Benda — Attosecond coupling delay in ionization to entangled states of CO₂⁺
	11:40	12:10	Zhong Yin — Exploring Chemistry in Liquids with Soft X-ray Spectroscopy
	12:10	13:40	<i>Lunch on your own</i>
Session 4	13:40	15:30	chaired by ... TBD
	13:40	14:10	Philippe Wernet — Dynamics and fluctuations in triggered ground-state reactions - Tracking C-H activation with ultrafast X-ray spectroscopy
	14:10	14:30	Jaroslav Hofierka — Dynamics of Electron-Transfer-Mediated Decay in a Weakly Bound Trimer
	14:30	15:00	Petr Slavíček — X-ray induced electron-nuclear dynamics at ab initio level: from isolated molecules to liquids
	15:00	15:30	Round Table Discussion with speakers
Session 5- POSTERS	15:30	18:50	POSTERS with refreshments

Wednesday | 3 June 2026

Session 6	9:00	10:20	chaired by ... TBD
	9:00	9:30	Filippo Bencivenga — EUV and X-ray transient gratings: nanoscale dynamics and beyond
	9:30	9:50	Gabriele Bonano (presented by M. Chergui)— X-ray natural circular dichroism of chiral molecules in liquids
	9:50	10:20	Giulio Cerullo — Real-time observation of conical intersection in biomolecules
	10:20	10:50	coffee break
	10:50	11:50	Special program: The COSTs and Benefits of Multigenerational Teams - Adéla Gjuričová
Session 7	11:50	12:50	chaired by ... TBD
	11:50	12:20	Eva Muchova — Ultrafast Charge-Transfer-To-Solvent from Resonant X-ray Spectroscopies
	12:20	12:50	Erik T.J. Nibbering — Disentangling Elementary Steps in Acid-Base Reactions in Aqueous Solution with X-Ray Spectral Signatures
	12:50	14:20	Lunch on your own
Session 8	14:20	15:30	chaired by ... TBD
	14:20	14:50	Vit Svoboda — Ultrafast Probes of Molecular Chirality
	14:50	15:10	Linda Oberti — Tracking the early photoisomerization dynamics in Hemithioindigo molecular motors by Time-Resolved X-ray Photoelectron Spectroscopy
	15:10	15:30	Jiří Janoš — On the interpretation of molecular photoexcitation with long and ultrashort laser pulses
	15:30	16:00	coffee break
Session 9	16:00	17:10	chaired by ... TBD
	16:00	16:20	Yorick Lassmann — A Simple Ab Initio Approach to Simulating X-ray-Induced Ultrafast Electron Dynamics in Complex Environments
	16:20	16:40	Stefano M Cavaletto — Monitoring acetonitrile's isomerization dynamics by time-resolved x-ray spectroscopy
	16:40	17:10	Round Table Discussion with speakers
			free evening

Thursday | 4 June 2026

Session 10	9:00	10:20	chaired by ... TBD
	9:00	9:30	Craig Schwartz — X-ray Second Harmonic Generation and Other Things
	9:30	9:50	Nima Gorji — X-Ray Diffraction Imaging of Warpage
	9:50	10:20	Alessandra Milloch — EUV Diffuse Scattering for Nanoscale Acoustic Phonons and Thermoelasticity
	10:20	10:50	<i>coffee break</i>
Session 11	10:50	12:30	chaired by ... Laura Cattaneo
	10:50	11:20	Eleonora Luppi — Molecular High-Harmonic Generation from Quantum Chemistry: Toward Predictive Spectroscopy
	11:20	11:40	Matyáš Staněk — HHG-Driven XUV Transient Gratings
	11:40	12:00	Zeynab Addayeva — Pulsed Laser Ablation in Liquid for the Synthesis of FeGaInS₄ Nanostructures: Structural and Optical Characterization
	12:00	12:30	Ana Sofia Morillo Candas — A few steps towards 2D-spectroscopy in the X-ray domain
12:30	14:00	<i>Lunch on your own</i>	
Session 12	14:00	15:10	chaired by ... TBD
	14:00	14:30	Joan Vila-Comamala — Diffractive X-ray Optics for XFELs
	14:30	14:50	Jaromír Chalupský — Probing ultrafast melting of group-III oxides with X-ray free-electron lasers
	14:50	15:10	Victor Kimberg — Fluorescence imaging of nonlinear x-ray propagation and lasing
15:10	15:40	<i>coffee break</i>	
Session 13	15:40	17:00	chaired by ... TBD
	15:40	16:10	Claudio Masciovecchio — New Frontiers of Wave Mixing with Free Electron Lasers
	16:10	16:30	Akansha Tyagi — Extreme ultraviolet zone plate for ultrafast applications
	16:30	17:00	Round Table Discussion with speakers
18:00	22:30	<i>Social dinner</i>	

Friday | 5 June 2026 - ELI Beamlines Facility, Dolni Březany

Session 14	10:00	10:50	chaired by ... TBD
	10:00	10:30	Eugenio Ferrari — Evolution of FLASH1 into a Fully Seeded, MHz-Capable FEL Facility
	10:30	10:50	Ana Oliveira e Silva — High-Repetition-Rate Ultraviolet Beamline for Time-Resolved Experiments on the Few-Femtosecond Timescale
	10:50	11:20	<i>coffee break</i>
Session 15	11:20	12:40	chaired by ... TBD
	11:20	11:40	Jan Vábek — Modular multiscale approach to modelling high-harmonic generation in gases
	11:40	12:10	Sergey I. Bokarev - From Highly-Excited States to Attosecond Dynamics: A Multi-Reference Theoretical Perspective
	12:10	12:30	Fatima Matroodi - Deep UV Raman Insights into Acid-Induced Enamel Demineralization and Hydroxyapatite Loss
	12:30	12:40	concluding remarks
	12:40	14:10	<i>Lunch on your own</i>
	14:10	16:00	lab tours