

## Wavemix 2026 / COST Action NEXT Annual Meeting | program

### Monday | 1 June 2026

	9:00	13:00	Cristian Svetina - MC meeting - closed session for MC members only
	13:00	14:00	Lunch on your own
Session 1	14:00	15:30	chaired by Caterina Vozzi
	14:00	14:10	Cristian Svetina - Welcome
	14:10	14:40	<a href="#">Fernando Martin — New advances in Attosecond Chemistry</a>
	14:40	15:00	<a href="#">Axel Stenquist — Entanglement Control and Transfer: From Strong Coupling to Spontaneous Decay</a>
	15:00	15:30	<a href="#">Margarita Khokhlova — Boosting XUV via high-order frequency mixing</a>
	15:30	16:00	coffee break
Session 2	16:00	17:20	chaired by Martin Beye
	16:00	16:30	<a href="#">Daria Gorelova — Theoretical description of attosecond imaging and spectroscopy</a>
	16:30	16:50	<a href="#">Lorenzo Paoloni — Advancing Transient XPS Spectroscopy: Modeling Approaches for Large Molecular Systems</a>
	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 Joan Vila-Comamala
	10:00	10:30	<a href="#">Peter Kraus — Ultrafast nanoscopy by deactivated high-harmonic generation from solids</a>
	10:30	10:50	<a href="#">Tamara Knyazyan — Enhanced Nonlinearity in Epsilon-Near-Zero (ENZ) Nanostructures: A Rigorous Wavelength-scale Electromagnetic Analysis</a>
	10:50	11:20	coffee break
	11:20	11:40	<a href="#">Jakub Benda — Attosecond coupling delay in ionization to entangled states of CO<sub>2</sub><sup>+</sup></a>
	11:40	12:10	<a href="#">Zhong Yin — Exploring Chemistry in Liquids with Soft X-ray Spectroscopy</a>
	12:10	13:40	Lunch on your own
Session 4	13:40	15:30	chaired by Zdeněk Mašín
	13:40	14:10	<a href="#">Philippe Wernet — Dynamics and fluctuations in triggered ground-state reactions – Tracking C–H activation with ultrafast X-ray spectroscopy</a>
	14:10	14:30	<a href="#">Jaroslav Hofierka — Dynamics of Electron-Transfer-Mediated Decay in a Weakly Bound Trimer</a>
	14:30	15:00	<a href="#">Petr Slavíček — X-ray induced electron–nuclear dynamics at ab initio level: from isolated molecules to liquids</a>
	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 Ondřej Hort
	9:00	9:30	<a href="#">Filippo Bencivenga — EUV and X-ray transient gratings: nanoscale dynamics and beyond</a>
	9:30	9:50	<a href="#">Gabriele Bonano (presented by M. Chergui)— X-ray natural circular dichroism of chiral molecules in liquids</a>
	9:50	10:20	<a href="#">Giulio Cerullo — Real-time observation of conical intersection in biomolecules</a>
	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 Eva Klimešová
	11:50	12:20	<a href="#">Eva Muchova — Ultrafast Charge-Transfer-To-Solvent from Resonant X-ray Spectroscopies</a>
	12:20	12:50	<a href="#">Erik T.J. Nibbering — Disentangling Elementary Steps in Acid-Base Reactions in Aqueous Solution with X-Ray Spectral Signatures</a>
	12:50	14:20	Lunch on your own
Session 8	14:20	15:30	chaired by Majed Chergui
	14:20	14:50	<a href="#">Vit Svoboda — Ultrafast Probes of Molecular Chirality</a>
	14:50	15:10	<a href="#">Linda Oberti — Tracking the early photoisomerization dynamics in Hemithioindigo molecular motors by Time-Resolved X-ray Photoelectron Spectroscopy</a>
	15:10	15:30	<a href="#">Jiří Janoš — On the interpretation of molecular photoexcitation with long and ultrashort laser pulses</a>
	15:30	16:00	coffee break
Session 9	16:00	17:10	chaired by Lucie Jurkovičová
	16:00	16:20	<a href="#">Yorick Lassmann — A Simple Ab Initio Approach to Simulating X-ray-Induced Ultrafast Electron Dynamics in Complex Environments</a>
	16:20	16:40	<a href="#">Stefano M Cavaletto — Monitoring acetonitrile's isomerization dynamics by time-resolved x-ray spectroscopy</a>
	16:40	17:10	Round Table Discussion with speakers
			free evening

## Thursday | 4 June 2026

Session 10	9:00	10:20	chaired by Simon Marotzke
	9:00	9:30	<a href="#">Craig Schwartz — X-ray Second Harmonic Generation and Other Things</a>
	9:30	9:50	<a href="#">Nima Gorji — X-Ray Diffraction Imaging of Warpage</a>
	9:50	10:20	<a href="#">Alessandra Milloch — EUV Diffuse Scattering for Nanoscale Acoustic Phonons and Thermoelasticity</a>
	10:20	10:50	<i>coffee break</i>
Session 11	10:50	12:30	chaired by Laura Cattaneo
	10:50	11:20	<a href="#">Eleonora Luppi — Molecular High-Harmonic Generation from Quantum Chemistry: Toward Predictive Spectroscopy</a>
	11:20	11:40	<a href="#">Matyáš Staněk — HHG-Driven XUV Transient Gratings</a>
	11:40	12:00	<a href="#">Zeynab Addayeva — Pulsed Laser Ablation in Liquid for the Synthesis of FeGaInS<sub>4</sub> Nanostructures: Structural and Optical Characterization</a>
	12:00	12:30	<a href="#">Ana Sofia Morillo Candas — A few steps towards 2D-spectroscopy in the X-ray domain</a>
	12:30	14:00	<i>Lunch on your own</i>
Session 12	14:00	15:10	chaired by Jan Vábek
	14:00	14:30	<a href="#">Joan Vila-Comamala — Diffractive X-ray Optics for XFELs</a>
	14:30	14:50	<a href="#">Jaromír Chalupský — Probing ultrafast melting of group-III oxides with X-ray free-electron lasers</a>
	14:50	15:10	<a href="#">Victor Kimberg — Fluorescence imaging of nonlinear x-ray propagation and lasing</a>
	15:10	15:40	<i>coffee break</i>
Session 13	15:40	17:00	chaired by Philippe Wernet
	15:40	16:10	<a href="#">Claudio Masciovecchio — New Frontiers of Wave Mixing with Free Electron Lasers</a>
	16:10	16:30	<a href="#">Akansha Tyagi — Extreme ultraviolet zone plate for ultrafast applications</a>
	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 Markus Kowalewski
	10:00	10:30	<a href="#">Eugenio Ferrari — Evolution of FLASH1 into a Fully Seeded, MHz-Capable FEL Facility</a>
	10:30	10:50	<a href="#">Ana Oliveira e Silva — High-Repetition-Rate Ultraviolet Beamline for Time-Resolved Experiments on the Few-Femtosecond Timescale</a>
	10:50	11:20	<i>coffee break</i>
Session 15	11:20	12:40	chaired by Craig Schwartz
	11:20	11:40	<a href="#">Jan Vábek — Modular multiscale approach to modelling high-harmonic generation in gases</a>
	11:40	12:10	<a href="#">Sergey I. Bokarev - From Highly-Excited States to Attosecond Dynamics: A Multi-Reference Theoretical Perspective</a>
	12:10	12:30	<a href="#">Fatima Matroodi - Deep UV Raman Insights into Acid-Induced Enamel Demineralization and Hydroxyapatite Loss</a>
	12:30	12:40	Cristian Svetina - concluding remarks
	12:40	14:10	<i>Lunch on your own</i>
	14:10	16:00	lab tours