

Dynamo

Dynamic Spatio-Temporal Modulation
of Light by Phononic Architectures

SUMMER SCHOOL

📍 Hotel Masía Bellver, Benicàssim (Spain)



3 JUNE 2026

TIME	PROGRAMME	SPEAKER
09:00-09:30	Registration of participants	—
09:30-09:40	Welcome and opening	Daniel Torrent (UJI)
09:40-10:25	Nontrivial resonances and extreme flux skewing in anisotropic plates	Daniel A. Kiefer (INSTITUT LANGEVIN - CNRS)
10:25-11:10	Computing with the complex nonlinear dynamics of an optomechanical oscillator	Shulamit Edelstein (ICMM - CSIC)
11:10-11:40	☕ Coffee Break	—
11:40-12:25	Extreme Energy Efficiency with Intel Loihi 2: Spiking Neural Networks for Real-Time Edge Intelligence	Adam Kupryjanow (INTEL)
12:25-13:10	Research Flash Session Five minutes to explain your research, challenge, and findings.	All participants
13:10-14:40	🍴 Lunch Break	—
14:40-17:30	Poster & Networking Session Experts and invited speakers will review and discuss the posters with participants	All participants
20:30	Networking Dinner Informal scientific exchange between students, invited speakers and project participants, following the Research Flash and Poster Sessions.	All participants



4 JUNE 2026

TIME	PROGRAMME	SPEAKER
09:00-09:30	Registration of participants	—
09:30-09:40	Introduction to the day session	Daniel Torrent (UJI)
09:40-10:25	Wave Dynamics of Surface Resonant Structures: From Lamb Waves to Rayleigh Waves	Yabin Jin (FUDAN UNIVERSITY)
10:25-11:10	Phonon-Cavity Engineering in Vibrating Membranes for Quantum Technologies and Reservoir Computing	Xin Zhou (IEMN - CNRS)
11:10-11:40	☕ Coffee Break	—
11:40-12:25	Exploring the quasi-ballistic heat transport regime in metal oxides through high-throughput experiments	Sebastian Reparaz (ICMAB - CSIC)
12:25-13:10	Spectral and Tomographic Reconstruction of Picosecond Acoustic Strain Pulses	Motonobu Tomoda (OITA UNIVERSITY)
13:10-14:40	🍴 Lunch Break	—
14:40-18:00	Cultural Workshop & Team Activities Group activity with students, speakers and researchers for collaboration and networking.	All participants
20:30	Closing Networking Dinner Follow-up discussion from the Research Flash Session and informal scientific exchange between students, invited speakers and project researchers.	All participants



OPTICAL &
ACOUSTIC WAVES



NANOSTRUCTURED
MATERIALS



COLLABORATION
& INNOVATION



Funded by
the European Union

European
Innovation
Council



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