



ECLIM 2026

38TH EUROPEAN CONFERENCE ON LASER INTERACTION WITH MATTER

14 – 18 SEPTEMBER 2026
PRAGUE, CZECH REPUBLIC



TOPICS

- Physics of laser-matter interaction
- Laser-plasma particle accelerators
- Laser and plasma diagnostics
- High-intensity laser facilities
- Physics of structured light
- Attosecond XUV and X-ray pulses
- XUV and HHG sources
- Progress in laser fusion
- HIPER+ initiative
- QED laser physics
- Numerical simulation tools

INVITED SPEAKERS WILL INCLUDE

Paolo Tomassini

Attosecond-long LWFA Beams for Water Window FEL Sources

Dimitri Batani

HiPER+ Community Advancing Knowledge of IFE Physics

Brendan Dromey

Relativistic Harmonics in the Efficiency Limit

Eduardo Oliva

Structured Light–Plasma Interactions and Applications

Li Song

Advances in High-Brightness Betatron Radiation, Applications

Ishay Pomerantz

Advances in Direct Laser Acceleration

Ulrich Schramm

Boosting laser proton acceleration in near critical density targets

Masakatsu Murakami

Multi-Shock Implosions for Ultra-High Compression

Mickaël Grech

Kinetic Theory and Scaling Laws of QED Cascades

CALL FOR ABSTRACTS
20 April - 13 June

Oral and poster presentations
Instructions on the conference website

SATELLITE WORKSHOP 19 September 2026 <https://indico.eli-laser.eu/e/ICF-workshop>

Radiation and Materials Aspects of ICF Reactor Development

Targets and fuel delivery | Burning fuel emissions | Debris and its mitigation
Protection against EMP interference | First wall materials and structures
Laser beam delivery and final optics | Radiation and thermal damages



<http://www.eclim2026.org>

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