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PARIS-SACLAY

Institute for the  
Sciences of Light

# International School on Ultrafast X-ray & Attosecond Science

A Paris-Saclay/Erice School on XUV Ultrafast Science

## Ultrafast2026

June, 1st – 5th, 2026 Paris-Saclay Campus



AUDITORIUM OF THE **503** - ENTREPRENEURIAL CENTER  
OF THE INSTITUT D'OPTIQUE GRADUATE SCHOOL

503 Rue du Belvédère  
91400 Orsay

INFORMATION: <https://evenium.events/ultrafast2026/>

Contact: [contact.isl@universite-paris-saclay.fr](mailto:contact.isl@universite-paris-saclay.fr)



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# Confirmed Speakers

**Rebecca Boll** (European XFEL, Germany)

Lecture: Soft X-ray science at European XFEL: from the source to applications in gas phase

Seminar: Unraveling Molecular Structure and Dynamics with Coulomb Explosion

**Christian Brahms** (Heriot-Watt University, United Kingdom)

Lecture: Ultrafast pulse compression and frequency conversion in gas-filled hollow-core fibres

Seminar: New ultrafast sources and science enabled by high-energy optical soliton dynamics

**Lea Maria Ibele** (Aix-Marseille University, France)

Lecture: Nonadiabatic molecular dynamics to simulate photochemical experiments

Seminar: From Excitation to Photoproducts: Modelling Choices in Computational Photochemistry

**Michael Krueger** (Technion, Israel)

Lecture: Attosecond physics on the nano-scale

Seminar: Inducing and controlling attosecond currents in a scanning tunneling microscope

**Yann Mairesse** (University of Bordeaux, France)

Lecture: Strong-field physics and high-order harmonic generation

Seminar: Chiral molecules in strong laser fields

**Nicolas Tancogne-Dejean** (Ruhr University Bochum, Germany)

Lecture: Attosecond electron dynamics in condensed matter

Seminar: High-harmonic generation in liquids

**Martin Schultze** (Graz University of Technology, Austria)

Lecture: Attosecond physics in condensed matter

Seminar: TBD

**Christopher Westbrook** (Institut d'Optique, France)

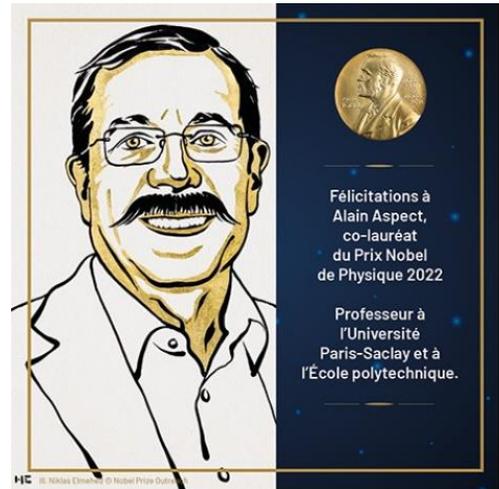
Lecture: Fundamental ideas in quantum optics

# Ultrafast2026

Basic and advanced topics to be presented *in a tutorial style*:

- Strong field laser-matter interaction and High-order Harmonic Generation
- Nonlinear optics in hollow-core fibers
- Fundamentals of Quantum Optics
- Attosecond physics in condensed matter and on the nanoscale
- Ultrafast science at XFELs
- Non-adiabatic molecular dynamics simulations methods

Special invited conference by



**Alain ASPECT**

**Nobel Prize in Physics 2022**

Onsite accommodation & meals  
are included in the **600 €** registration fee!

 **Apply by February 23 (1 pm, UCT+1), 2026**

<https://framaforms.org/ultrafast2026-application-form-1764600154>