



## ELI Summer School 2020

### Virtual Summer School to be Run by ELI-ALPS Laser Research Institute

Everything is different in 2020, but the fifth ELI Summer School (ELISS) must go ahead. This year the event, alternatingly hosted by the individual pillars of ELI (Extreme Light Infrastructure), is again organized by ELI-ALPS (Attosecond Light Pulse Source). Unfortunately, this time we are unable to meet participants in person, and the programmes will be held in the virtual space

**on 26-28 August 2020.**

The main objective of ELISS is to provide young researchers with a comprehensive overview of intense laser pulses and laser-driven particle and radiation sources.

#### **Programmes:**

*Virtual laboratory tour*

*Poster section*

*Lectures*

#### **Topics covered:**

- High-power ultrashort lasers
- Particle acceleration and applications
- Plasma Physics
- Generation and application of attosecond pulses
- XUV and X-ray optics
- ELI user experiments
- Generation and applications of intense THz radiation
- Generation and amplification of ultrashort laser pulse
- Generation of bright coherent and incoherent X-ray pulses using short-pulse lasers



#### **Confirmed Lecturers:**

- Anne L' Huillier (Lund University, Sweden)
- Martin Aeschlimann (TU Kaiserslautern, Germany)
- Louis DiMauro (Ohio State University, USA)
- Sambhu Ghimire (Stanford University)
- Fabien Quéré (CEA Paris-Saclay, France)
- Hans-Jakob Wörner (ETH Zürich, Switzerland)
- Laszlo Veisz (Umea University, Sweden)
- Chris Phillips (ETH Zürich, Switzerland)
- Robert Moshhammer (Max-Planck-Institute for Nuclear Physics, Heidelberg, Germany)
- Christian Ott (Heidelberg University, Germany)





The online event is free to attend but registration is required. The **registration platform will be available from 13 July 2020.**

If you have any queries, please feel free to contact us at [eliss2020@eli-alps.hu](mailto:eliss2020@eli-alps.hu). At the same time, please share this announcement with your students as well as fellow researchers.

Yours faithfully,

Prof. Gábor Szabó  
managing director

Prof. Katalin Varjú  
scientific director

Prof. Dimitris Charalambidis  
scientific advisor

Dr. Rodrigo Lopez-Martens  
scientific advisor

