SUMMER SCHOOL CRETE

Ultrafast dynamics with intense radiation sources

When: 18-21 October 2016

Where: Saint Nicolas bay resort hotel - Agios Nikolaos, Crete

Topic:
- High-intensity and high average power laser sources
- Generation and applications of intense XUV fields
- Attosecond physics in molecules and nanostructures
- Theory of ultrafast dynamics

Contact: For further information and your conference application, visit: www.medea-horizon2020.eu/training/schools/summer-school-crete

Financial support: Financial support (free full-board accomodation for the entire duration of the school) will be provided to selected students.

Organizer: The school will be co-organized by the Marie Skłodowska-Curie Innovative Training Network "MEDEA", Laserlab Europe and the Extreme Light Infrastructure Attosecond Light Pulse Source (ELI-ALPS).

Confirmed invited Speakers and Topics:

Presenter	Title
A. Kuleff	Ultrafast charge migration: fundamental theoretical aspects
P. Lambropoulos	Photoionization under intense XUV fields: the perturbative approach
K. Schafer	Theoretical description of attosecond processes
A. Maquet	Attosecond time delays
M. Ivanov	Molecules in intense laser fields
F. Martin	Theoretical description of attosecond molecular dynamics
L. Giannessi	Free Electron Lasers in the extreme ultraviolet and X-ray spectral regions
N. Berrah	Experiment at LCLS
A. Rudenko	Nonlinear XUV experiments at FLASH
P. Tzallas	Nonlinear effects in the attosecond domain
G. Tsakiris	Surface Harmonic Generation
E. Cormier	Mid-IR laser sources
J. Biegert	Soft X-ray generation and Laser-induced Electron Diffraction
J. Limpert	High-repetition rate fiber lasers
T. Metzger	OPA driven by thin disk-lasers
F. Falcoz	PW laser architecture
H.J. Wörner	Attosecond charge migration
T. Pfeifer	Laser control of absorption profiles on the attosecond timescale
J. Tisch	Generation and application of multi-colour attosecond pulses
F. Lepine	Application of attosecond pulses for the investigation of molecular dynamics

MEDEA
Molecular Electron Dynamics investigated by Intense Fields and Attosecond Pulses

Laserlab Europe

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