

# ELI-ALPS' 7<sup>th</sup> User Workshop

**7<sup>th</sup> November, 2019 (Thursday)**

<b>9:20</b>	Welcome	Dimitris CHARALAMBIDIS
<i>Chair: Dimitris Charalambidis</i>		
<b>9:30</b>	Implementation status of the ELI-ALPS infrastructure	Katalin VARJÚ
<b>10:00</b>	User experiments at ELI-Beamlines: past and future	Jaroslav NEJDL
<b>10:40</b>	Status update on the lasers commissioned by ELI-ALPS	Rodrigo LOPEZ-MARTENS
<b>11:10</b>	Coffee break	
<i>Chair: Eric Cormier</i>		
<b>11:40</b>	Progress on the lasers under commissioning	Ádám BÖRZSÖNYI
<b>12:20</b>	Firstly commissioned secondary source of ELI-ALPS: the HR GHHG GAS beamline	Miklós FÜLE Tamás CSIZMADIA
<b>13:00</b>	Group photo	
<b>13:10</b>	Lunch	
<i>Chair: Subhendu Kahaly</i>		
<b>14:00</b>	Linking quantum optics with strong-laser-field physics	Paraskevas TZALLAS
<b>14:40</b>	Temporal characterization of the Mid-IR laser at ELI-ALPS using the TIPTOE method	Kyung Taec KIM
<b>15:20</b>	Laser-driven distributed neutron sources for transmutation: a role of ELI-ALPS	Toshiki TAJIMA
<b>15:50</b>	Coffee break	
<i>Chair: Christos Kamperidis</i>		
<b>16:20</b>	User experiments of the research groups of the Wigner Research Centre for Physics	Péter DOMBI
<b>16:50</b>	Probing the ultrafast processes of photosynthetic light harvesting by two-dimensional electronic spectroscopy	Petar LAMBREV
<b>17:20</b>	Expanding the ELI research capabilities by high spatial and energy resolution electron spectrometer and ultrashort electron bunches	László PÁLFALVI
<b>17:50</b>	Access at ELI-ALPS	Dimitris CHARALAMBIDIS

## 8<sup>th</sup> November, 2019 (Friday)

*Chair: László Óvári*

**9:20** Pushing surface science to the attosecond timescale -  
- Future experiments at the ELI-ALPS NanoESCA endstation

Martin AESCHLIMANN

**10:00** Pulse compression mechanisms in hollow-core photonic crystal fiber

Martin MAUREL

**10:40** *Coffee break*

*Chair: Balázs Major*

**11:10** Attosecond coincidence spectroscopy at ELI-ALPS

Giuseppe SANSONE

**11:50** Two-photon sequential ionization of noble gases with ultrashort pulses revisit; theoretical and experimental challenges

Lampros NIKOLOPOULOS

**12:30** *Lunch*

*Chair: Sergei Kühn*

**13:30** MID and XUV lasers induced nanoplasma in doped He-nanodroplets

Ltaief Ben LTAIEF

**14:10** Results and perspectives of the RABBIT experiment with the HR laser

Daniel HAMMERLAND

**14:50** Rescattering dynamics in strong-field ionization of atoms and C<sub>60</sub> molecule driven by mid-IR laser pulses

Slawomir SKRUSZEWICZ

**15:30** *Coffee break*

*Chair: Mousumi Upadhyay Kahaly*

**16:00** Tracing and control of ultrafast electron dynamics following ionization of molecules

Alexander KULEFF

**16:40** Imaging coherent and incoherent re-collision processes at 3.2 μm

Hartmut SCHRÖDER

**17:20** Modelling of the ultrafast dynamics and surface plasmon properties upon irradiation of Si with Mid-IR femtosecond laser pulses

George TSIBIDIS

**18:00** *Closing*