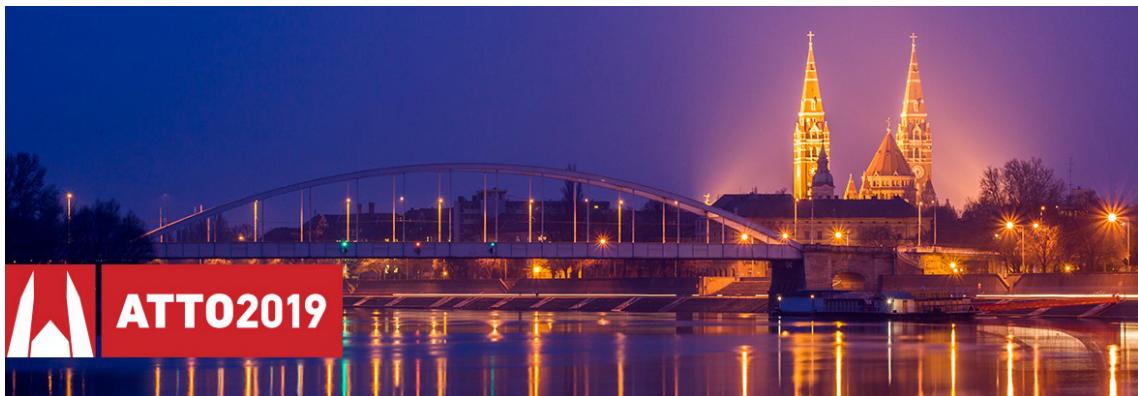


## **Session Program**

**1-5 Jul 2019**



## **ATTO2019 Registration to Scientific Sessions**

### **Poster session 2**

University of Szeged Congress Centre  
Ady Square 10., 6722 Szeged, Hungary

## Wednesday 3 July

18:00

### Poster session 2: Wednesday poster session with sandwiches

Session | Location: University of Szeged Congress Centre, Ady Square 10., 6722 Szeged, Hungary

18:00-20:00 **Selective Electron Emission in XUV+IR Photoionization**

**Speaker**

Renata Della Picca

18:00-20:00

### On the Theory of Attosecond Interferometry Experiments for Liquid Water

**Speaker**

Hans Jakob Wörner

18:00-20:00

### A Real-Space Perspective On High Harmonic Generation In Solids

**Speaker**

Guilmot Ernotte

18:00-20:00

### An Intense Attosecond Light Source for Time-resolved Photodissociation Studies in Large Molecules

**Speaker**

Mr Jasper Peschel

18:00-20:00

### Multiple Ionization of Ar in Strong Elliptically Polarized Laser Fields

**Speakers**

Ms Zhao Xinning, Luo Sizuo, Ding Dajun

18:00-20:00

### Isotope Effects on the Ionization of Hydrogen Molecular Ions in Strong Laser Fields

**Speaker**

Liang Xu

18:00-20:00

### First Attosecond Pulses in ELI-ALPS High Repetition Rate Beamline

**Speaker**

Miklós Füle

18:00-20:00

### High Harmonic Generation Gas Cell for High Repetition Rate Secondary Sources

**Speaker**

Mr Zoltán Filus

18:00-20:00

### Asymmetry of the Photoelectron Momentum Distribution from Molecular Ionization in Elliptically Polarized Laser Pulses

**Speaker**

Dr Yanan Qin

18:00-20:00

### High Harmonic Generation and Applications at ELI Beamlines

**Speaker**

Dr Ondřej Hort

18:00-20:00

**Selection Rules in HHG: Unified Microscopic-macroscopic Group Theory and Observation of New Selection Rules****Speaker**

Mr Gavriel Lerner

18:00-20:00

**XUV and Soft X-ray Transient Absorption Spectroscopy of Strong-Field Excited Molecules****Speaker**

Mr Danylo Matselyukh

18:00-20:00

**Decomposition of AC Stark Effect and Interference Signals in the Temporal and Spectral Response in Attosecond Transient Absorption Spectroscopy****Speaker**

Lorenz Drescher

18:00-20:00

**Interference Signatures from Kramers-Henneberger Atoms****Speaker**

Mr Pei-Lun He

18:00-20:00

**Strong-field Dynamics Driven by Ultrafast Hyper-Gaussian Pulses in Cascade Three-level System****Speaker**

Dr Ji-Cai Liu

18:00-20:00

**Nonlinear Fourier Transform Spectroscopy of Acetylene by Intense Attosecond Pulse Trains****Speaker**

Mr Takuya Matsubara

18:00-20:00

**Spatio-Temporal Dynamics in Femtosecond Filamentation****Speaker**

Mrs Lana Neoricic

18:00-20:00

**Optical Lasing during Laser Filamentation in the Nitrogen Molecular Ion: Ro-vibrational Inversion****Speakers**

Dr Felipe Morales, Dr Maria Richter

18:00-20:00

**Spatiotemporal Coupling of Attosecond Pulses****Speakers**

Mr Hampus Wikmark, Prof. Mette B. Gaarde

18:00-20:00

**Simultaneous, Long-term Stabilization of the Delay and CEP for Coherent Combination of the Two-color Few-cycle Pulses**

**Speaker**

Prof. Shaobo Fang

18:00-20:00

**Two-Color High-Harmonic Spectroscopy of Liquids****Speaker**

Dr Tran Trung Luu

18:00-20:00

**HHG-Driven Photoionization of Noble Gaseous Atoms Investigated with Newly-Built Reaction Microscope in Lanzhou****Speakers**

Prof. Shaofeng Zhang, Prof. Xinwen Ma

18:00-20:00

**Sub-cycle Control Electron Localization of H\$-2\$ in Multicycle Laser Fields****Speaker**

Dr Sizuo Luo

18:00-20:00

**Study on XUV Photon Flux Contributed by Phase-matched Off-axis High-order Harmonic Generation (HHG)****Speaker**

Dr Lifeng Wang

18:00-20:00

**Detecting and Characterizing the Nonadiabaticity of Laser-Induced Quantum Tunneling****Speaker**

Siqiang Luo

18:00-20:00

**Angularly Resolved Two-photon Above-threshold Ionization of Helium****Speaker**

Dr Diego I. R. Boll

18:00-20:00

**Nonlinear Fourier Transform Spectroscopy of O\$-2\$ with Intense Attosecond Pulse Trains****Speaker**

Dr Shinichi Fukahori

18:00-20:00

**High Intensity High-order Harmonic Generation by Optimizing Phase Matching Condition****Speaker**

Ms Yueying Liang

18:00-20:00

**Ultrafast Electron Dynamics and High Harmonic Generations in Novel Two-dimensional Materials****Speaker**

Dr Mousumi Upadhyay Kahaly

18:00-20:00

**High Power 1 TW Ti:sapphire Laser at 1 kHz for High Energy High Harmonic Generation****Speaker**

Prof. Hao Teng

18:00-20:00

**Spatio-temporal Characterization of a High Repetition Rate, Few-cycle, CEP-stable OPCPA Laser****Speaker**

Dr Chen Guo

18:00-20:00

**Quantum Path Interferences in High-Harmonics Generated by Impulsively Aligned N<sub>2</sub> Molecules****Speaker**

Dr Ioannis Lontos

18:00-20:00

**Probing Molecular Influence on Photoemission Delays****Speaker**

Dr Shubhadeep Biswas

18:00-20:00

**Sub-cycle Electron Dynamics in the Generation of Below Threshold Harmonics****Speaker**

Prof. Zhenan Zeng

18:00-20:00

**Polarization-state-resolved High-harmonic Spectroscopy on Crystalline Solids****Speaker**

Mr Nicolai Klemke

18:00-20:00

**Angularly Resolved RABBITT at 2 $\omega$ : Attosecond Pulses Measurement & Attosecond Signature of the 1s3p Resonance of Helium****Speakers**

Dr Vincent Loriot, Marius Herve

18:00-20:00

**Cooper Minimum in Singly Ionized and Neutral Argon****Speaker**

Dr Ola Hassouneh

18:00-20:00

**High Repetition Rate Attosecond Pulse Source for Coincidence Spectroscopy****Speaker**

Dominik Ertel

18:00-20:00

**Towards Intense Isolated Attosecond Pulses by Waveform Synthesis****Speaker**

Alice Autuori

18:00-20:00

**Seemingly Anomalous Electronic Signature in oriented Chiral Molecules upon Ultrafast laser****Speaker**

Dr Gopal Dixit

18:00-20:00

**A Geometric Perspective of Photoelectron Circular Dichroism****Speaker**

Mr Andres Ordóñez

18:00-20:00

**Coherent Synchrotron Emission Source from Few Cycle Laser Driven Relativistic Surface****Speaker**

Mojtaba Shirozhan

18:00-20:00

**Detection of Electronic and Lattice Dynamics through Attosecond X-ray Absorption Spectroscopy****Speaker**

Mr Nicola Di Palo

18:00-20:00

**Influence of Vacancy-Defect in Solid High-Harmonic Generation****Speaker**

Mr Adhip Pattanayak

18:00-20:00

**Universal Pulse Characterization Method for a Multi-octave Wavelength Range from UV to IR****Speaker**

Mr Wosik Cho

18:00-20:00

**High Efficient Carrier-Envelope Offset Frequency Measurement and Control with a Tapered Photonic Crystal Fiber****Speaker**

Huibo Wang

18:00-20:00

**Photoionization Time Delay in Xenon 4d Probed by Coincidence Spectroscopy****Speaker**

Shiyang Zhong

18:00-20:00

**High-order Harmonic Generation in Graphene Under Local Ultrahigh Pressure****Speaker**

Giovanni Consalvo Cistaro

18:00-20:00

**Observation of Inter-Channel Coupling in Photoionization Delays of Carbon Dioxide****Speaker**

Mr Andrei Kamalov

18:00-20:00

**NewStock, a Time-dependent Close-coupling Program for Atomic Ionization****Speaker**

Dr Luca Argenti

18:00-20:00

**Following Phonon Dynamics in Solids Using High-Harmonic Spectroscopy****Speaker**

Tran Trung Luu

18:00-20:00

**Enhancement and Spatial Manipulation of High Harmonics in Crystals****Speaker**

Ms Shatha Kaassamani

18:00-20:00

**High-order Harmonics as Induced by a Quantized Field: a Phase-space Picture****Speaker**

Dr Péter Földi

18:00-20:00

**Photoelectron Holography of Noble Gas Atoms****Speaker**

Attila Tóth

18:00-20:00

**Towards a mW-scale Attosecond Source****Speaker**

Dr Christoph M. Heyl

18:00-20:00

**High Harmonic Generation on Noble Gas Clusters****Speaker**

Mr Balázs Bódi

18:00-20:00

**Intense Attosecond Pulses from Few Cycle Relativistic Interaction****Speaker**

Dr Subhendu Kahaly

18:00-20:00

**Effects of the Pump Wavelength on Laser-Induced Ultrafast Demagnetization****Speaker**

Katherine Légaré

18:00-20:00

**Phase Control of Complex Fano Resonances****Speaker**

Mr Nicola Mayer

18:00-20:00

**H\$ \_2 ^+ + \$ Dissociation in Strong Laser Fields****Speaker**

Prof. Feng He

18:00-20:00

**Nonperturbative Enhancement of Inelastic Photoemission Delay in Metals: Comparison with Correlated Insulators**

**Speaker**  
Jaedong Lee

18:00-20:00

**Quantum Control and Multi-Dimensional Laser-Induced Mass Spectrometry of Biomolecules**

**Speaker**  
Ms Ruth Ayers

18:00-20:00

**Time-resolved Soft X-Ray Transient Absorption in the Liquid Phase**

**Speaker**  
Dr Adam Smith

18:00-20:00

**High Harmonic Generation in 2D and 3D Semiconductors**

**Speakers**  
Ms Shatha Kaassamani, Dr David Gauthier

18:00-20:00

**ELI-ALPS SYLOS GHHG Beamlines: Optimizing Generation Conditions for High-power Laser Pulses**

**Speaker**  
Balázs Nagyillé

18:00-20:00

**Resonant Faraday Effect Using High Order Harmonics for the Investigation of Ultrafast Demagnetization**

**Speaker**  
Dr Guillaume Lambert

18:00-20:00

**Self-referenced Spatio-temporal Characterization of Few-cycle Pulses**

**Speaker**  
Dr Tobias Witting

18:00-20:00

**Ultrafast Intramolecular Electron Transfer in Dye-sensitized Solar Cells: A Computational Perspective**

**Speaker**  
Dr Mousumi Upadhyay Kahaly

18:00-20:00

**Surface High Harmonics Using a Long Focusing Length**

**Speakers**  
Mr Mingyan Shi, Mr Ross McHugh

18:00-20:00

**CEP-stabilized, sub-18fs, 10kHz and TW-class 1kHz Dual Output Ti:Sa Laser with Wavelength Tunability Option**

**Speaker**  
Dr Anna Golinelli

18:00-20:00

**Spectral Variation of the Driver after HHG in Long Medium: Correlation to Conversion Efficiency and Harmonic Spectral Shift**

**Speaker**

Dr Jaroslav Nejdl

18:00-20:00

**Ultrafast Electronic Decay through Carbon Chains****Speaker**

Dr Alexander Kuleff

18:00-20:00

**Ellipticity-Resolved High-Harmonic Spectroscopy of Phase-Locked Attosecond Pulse Trains****Speaker**

Mr Eliyahu Bordo

18:00-20:00

**ATTOLAB SE10: a Versatile and Integrated Beamline for Attosecond Physics on Gases and Surfaces****Speaker**

David Bresteau

18:00-20:00

**Ultrafast Background-Free Detection of Ring Currents by Symmetry Breaking High Harmonic Spectroscopy****Speaker**

Mr Ofer Neufeld

18:00-20:00

**Post-Compression of Pulses from an Yb Amplifier to 25 fs at 40 mJ****Speaker**

Paolo Carpeggiani

18:00-20:00

**Artifact-free XUV Coherence Tomography by One-dimensional Phase Retrieval****Speaker**

Martin Wünsche

18:00-20:00

**Ultrafast Dissociation of OCS Influenced by Neighbor Ion  $OCS^{(1,2)+}$  in a Dimer****Speaker**

Mr Xitao Yu

18:00-20:00

**A Gauge-Invariant Approach to Interband and Intraband Currents****Speaker**

Marco Taucer

18:00-20:00

**Characterization of Attosecond Pulse Train using RABBITT Technique****Speaker**

Harshitha Nandiga Gopalakrishna

18:00-20:00

**Ab Initio Approach to Ultrafast Spectroscopy with Stochastic Time-Dependent Density Functional Theory and Gauge-Including Projector Augmented Wave Method**

**Speaker**

Stanislav Kruchinin

18:00-20:00

**Tailoring Caustics in High-harmonic Generation with Phase-controlled Multi-colour Fields****Speaker**

Mr Sambit Mitra

18:00-20:00

**Ultrafast Electron Dynamics in Relativistic Intensity Laser Plasma Interaction Revealed by Coherent THz Transition Radiation****Speaker**

Sudipta Mondal

18:00-20:00

**Angle-resolved Photoemission Delays in Noble Gases and Molecules****Speaker**

Mr Daniel Hammerland

18:00-20:00

**Coherent Control of Extreme-ultraviolet Emission Generated through Frustrated Tunneling Ionization****Speaker**

Dr Hyeok Yun

18:00-20:00

**Central Laser Facility Artemis Upgrade: New Capabilities for X-Ray Spectroscopy****Speaker**

Dr Adam Wyatt

18:00-20:00

**Single-Image Measurement of an Isolated Attosecond Pulse****Speaker**

Dr Donghyuk Ko

18:00-20:00

**Generation of Terahertz radiation Using Large Aperture Photoconductive Antennas and Subps KrF Lasers****Speaker**

Mr Zsolt Kovács

18:00-20:00

**The Influence of Many-Electron Atoms Polarization in a Strong Laser Field on the High-Order Harmonic Generation****Speaker**

Dr Nikolai V. Vvedenskii

18:00-20:00

**First Results on Single Ionization of Helium by Extreme Ultraviolet Photons at Lanzhou****Speakers**

Prof. Shaofeng Zhang, Prof. Xinwen Ma

18:00-20:00

**Time Resolved Photoelectron Circular Dichroism of Fenchone at FERMI**

**Speaker**

Davide Faccialà

18:00-20:00

**Strong-field-induced Electron and Nuclear Dynamics in Nitric Oxide Probed by Attosecond Soft X-ray Absorption Spectroscopy****Speaker**

Mr Nariyuki Saito

18:00-20:00

**High-energy Ultrafast Mid-IR Optical Parametric Amplifier for Strong-Field Science****Speaker**

Mr Prabhash Prasannan Geetha

18:00-20:00

**Photon Gas in Plasma: Thermodynamics and Bose-Einstein Condensate****Speaker**

Peter Mati

18:00-20:00

**Analysis of Photoionization Time Delay Using R-matrix Method****Speaker**

Dr Jinlei Liu

18:00-20:00

**Nonsequential Double Ionization of Helium in IR+XUV Two-color Laser Fields****Speaker**

Dr Bingbing Wang

18:00-20:00

**Enhancement of High Harmonics Emission in Transmission by Surface Plasmon Polariton****Speaker**

Chaoneng Wu

18:00-20:00

**Dual Self-diffraction Dispersion-scan: Characterizing Ultrashort Ultraviolet Pulses in Inhomogeneous Beams****Speaker**

Mr Miguel Canhota

18:00-20:00

**Radially Polarized Pulses Compression****Speaker**

Chunmei Zhang

18:00-20:00

**Origin of Strong-Field Induced Low-Order Harmonic Generation in Amorphous Solids****Speaker**

Benjamin Liewehr

18:00-20:00

**Subcycle Transfer of Linear Momentum in Nondipole Tunnel Ionization****Speaker**

Hongcheng Ni

20:00	18:00-20:00	<b>High Resolution Mass Spectrometry and Velocity Map Imaging for Ultrafast Electron Dynamics in Biomolecules</b>
	<b>Speaker</b>	Mr Krishna Chaitanya Saraswathula
	18:00-20:00	<b>Transient Optical Gain in Solids after Strong-field Excitation</b>
	<b>Speaker</b>	Mr Muhammad Qasim
	18:00-20:00	<b>Measurement of Attosecond Electron Pulses Emitted from Metallic Nanotips</b>
	<b>Speaker</b>	Mr Hee-Yong Kim
	18:00-20:00	<b>High Order Harmonic Generation in an Active Grating</b>
	<b>Speaker</b>	Thierry Ruchon
	18:00-20:00	<b>Photodissociation Dynamics of the LiF Molecule</b>
	<b>Speaker</b>	Dr Attila Tóth
	18:00-20:00	<b>Reconstruction of Tunneling Time and Exit Momentum in Strong Field Ionization, Based on Phase Space Methods</b>
	<b>Speakers</b>	Szabolcs Hack, Attila Czirják