



International Conference on Ultrafast Optical Science October 03-05, 2017

Venue: Lebedev Physical Institute (LPI), Leninskiy prospect 53, Moscow, Russia

Website: <http://ultrafastlight-2017.lebedev.ru>

Chair: Nikolay N. Kolachevsky (LPI), **vice-chair:** Andrey A. Ionin (LPI)

Conference sections

1. Ultrafast high-field science

Section Chair: Valery Yu. Bychenkov (LPI), email: bychenk@lebedev.ru

Program committee

Vladimir T. Tikhonchuk, CELIA, Universite' Bordeaux 1-CEA - CNRS, France

Sargis Ter-Avetisyan, Center for Relativistic Laser Science, Institute of Basic Science, Korea

Anatoly Maksimchuk, Center for Ultrafast Optical Science, University of Michigan, USA

Scope

- charged particle acceleration,
- relativistic optics,
- secondary electromagnetic emission,
- quantum electrodynamics with lasers,
- laser-triggered nuclear reactions and elementary particles

2. Ultrafast phenomena in condensed matter and ionized gases

Section Chair: Sergey A. Uryupin (LPI), email: uryupin@lebedev.ru

Program committee

Nadezhda M. Bulgakova, HiLASE Centre, Institute of Physics ASCR, Czech Republic

Sergey V. Popruzhenko, Max Planck Institute for the Physics of Complex Systems, Germany

Stanislav G. Bezhnov (LPI), Russia

Scope

- optical properties of heated solid conductors,
- instabilities and high-frequency phenomena in photoionized plasma,
- non-linear phenomena in nonequilibrium plasma and metals,
- kinetics of rapidly heated electrons in metals and plasma

3. Ultrafast laser nanofabrication and nanophotonics

Section Chair: Sergey I. Kudryashov (LPI), email: sikudr@lebedev.ru

Program committee

Maria Farsari, Institute of Electronic Structure and Lasers, FORTH, Greece

Alexander Kuchmizhak, Institute of Automation and Control Processes and FEFU, Russia

Scope

- Ultrafast nanostructured light + nanostructured matter
- Ultrafast nanophotonics
- Femtosecond-laser nanofabrication

4. Femtosecond non-linear optics. Filamentation

Section chair: Leonid V. Seleznev (LPI), email: seleznev@lebedev.ru

Program committee

Vladimir Yu. Fedorov (LPI), Russia

Aleksandr A. Zemlyanov, Institute of Atmospheric Optics, Russia

Scope

- self-focusing and collapse
- terahertz science
- filamentation in various media
- pulse self-compression

5. Femtosecond radiation in spectroscopy and optical frequency metrology

Section Chair: Vadim N. Sorokin (LPI), email: sovn@lebedev.ru

Program committee

Mikhail A. Gubin (LPI), Russia

Masayuki Katsuragawa, University of Electro-Communications, Japan

Scope

- measurements of absolute optical frequency with combs
- femtosecond frequency combs for direct spectroscopy of ions and atoms
- HUV generation with frequency combs
- two-photon Frequency Comb Spectroscopy
- Frequency combs in astrophysics

The sessions will start with **invited talks** (30 min), which will be followed by **regular oral talks** (15 min) and ended up by **short oral student presentations** (3 slides, 5 min).

To **register** for Conference with presentation, please submit your filled **Abstract Form** electronically by email to Session Chairs to be automatically registered.

Abstract submission deadline: May 15, 2017

Author acceptance notification: June 15, 2017

To **register** for Conference without presentation, please contact Section Chairs before June 01, 2017.

The **conference fee is waived** in this year.

If you need a **visa**, put your visa requests both to the corresponding **Session chairs** and the **Organizing Committee**.

Additional information about **accommodation opportunities** will be provided upon acceptance of abstracts, while the nearest 3-star hotel is at 5-min walking distance.

Sufficient time will be allocated for **excursion and sightseeing** during the Conference.

Organizing committee:

Chair: Pavel A. Danilov, Pavel-Danilov2009@yandex.ru, +7(916) 2311941

Members:

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