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-Avetsiyan, 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. Bezhanov (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 an 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:
  Konstantin Yu. Vagin, vagin@sci.lebedev.ru, +7(499) 1326303, +7(495) 6688888 (6303)
  Sergey G. Bochkariev, bochkar@sci.lebedev.ru, +7(909) 6455592
  Elena S. Sunchugashcheva, ses@sci.lebedev.ru, +7(499) 1326735, +7(495) 6688888 (6735)
  Ilya A. Semerikov, ilia179@mail.ru, +7 (499) 1326721, +7(495) 6688888 (6721)