**International school on optics and laser physics**

Moscow, 23-27 may 2016

**Program**

**23 May 2016, Monday**

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| 09. 00 – 10.00 | **Registration of participants of the school**  *Conference hall of the 3rd floor of the Main building of MEPhI* |
| 10.00 – 10.20 | **Opening Ceremony: *Vitalii* *I. Konov, Nikolai I. Kargin*** |
| **Section 1** | Chairman: ***Alexei P. Menushenkov*** |
| 10.20-10.40 | ***I.N. Zavestovskaya*** (LPI, MEPhI) **“National Research Nuclear University MEPhI (Moscow Engineering Physics Institute)”** |
| 10.40-11.20 | ***Vitalii I. Konov* (**GPI, MEPhI**) “Carbon Photonics”** |
| 11.20-11.40 | Break |
| 11.40-12.20 | ***Sergei V. Poprujenko*** (MEPhI) **”Institute for laser and plasma technologies”** |
| 12.20-13.00 | ***Svetlana G. Lukishova* (**UR,USA**)"Nonclassical light sources: the science of darkness".** |
| 13.00-14.00 | Lunch |
| 14.00-17.00 | The tour of the laboratories of MEPhI - **Laser center** |

**24 May 2016, Tuesday**

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| 09. 00 – 10.00 | **Registration of participants of the school**  *Physics hall of the 1st floor of the Main building of P.N. Lebedev Physical Institute of RAS* |
| **Section 2** | Chairman: ***Vitaly I. Konov*** |
| 10.00-10.40 | ***Igor R. Nabiev* (**Reims Univ., France, MEPhI) **“Linear and non-linear optical effects on the interfaces of nano- and biological systems”** |
| 10.40-11.20 | ***Igor I. Vlasov* (**GPI, MEPhI**) “Luminescent nanodiamond biomarkers”** |
| 11.20-11.40 | Break |
| 11.40-12.20 | ***Petr I. Nikitin* (**GPI, MEPhI**) “Optical chemical and bio sensing”** |
| 12.20-13.00 | ***Vladimir Yu. Yurov* (**GPI**) “Optical diagnostics of CVD diamond growth”** |
| 13.00-14.00 | Lunch |
| 14.00-17.00 | The tour of the laboratories of Prokhorov General Physics Institute (GPI) of RAS |

**25 May 2016, Wednesday**

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| 09. 00 – 10.00 | **Registration of participants of the conference**  *Pillared hall of the 3rd floor of the Main building of*  *P.N. Lebedev Physical Institute of RAS* |
| **Section 3** | Chairman: ***Leonid D. Mikheev*** |
| 10.00-10.40 | ***Edward Lozansky*** (American Univ. in Moscow)**“Relationship between USA and Russian Federation. Who is in fault and que faire?”** |
| 10.40-11.20 | ***Alexei Vitukhnovsky*** (LPI, MEPhI)**“Organic nanophotonics”** |
| 11.20-11.40 | Break |
| 11.40-12.20 | ***Evgeny V.Zavedeev*** (GPI)«Nonlinear propagation of fs laser pulses in silicon bulk» |
| 12.20-13.00 | ***Andrey A. Ionin*** (LPI) **"Laser activity at the Quantum Radiophysics Division of the P.N. Lebedev Physical Institute"** |
| 13.00-14.00 | Lunch |
| 14.00-17.00 | The tour of the laboratories of **Quantum Radiophisics Department** of P.N. Lebedev Physical Institute (LPI) of the RAS |

**26 May 2016, Thursday**

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| 09. 00 – 10.00 | **Registration of participants of the conference**  *Conference hall of the 7rd floor of the building-K of*  *of MEPhI* |
| **Section 4** | Chairman: ***Igor I. Yashin*** |
| 10.00-10.40 | ***Yuri M. Popov* (**LPI, MEPhI**) “History of injection lasers in P.N. Lebedev Physical Institute”** |
| 10.40-11.20 | ***Sergei Y. Gus’kov* (**LPI,MEPhI**) “Laser thermonuclear fusion”** |
| 11.20-11.40 | Break |
| 11.40-12.20 | ***Leonid D. Mikheev* (**LPI, MEPhI**) «Hybrid (solid/gas) femtosecond systems in the visible: architecture and applications»** |
| 12.20-13.00 | ***Elena R. Koresheva*** **(**LPI, MEPhI**)** “**Cryogenic laser targets for inertial confinement fusion”** |
| 13.00-14.00 | Lunch |
| 14.00-17.00 | The tour of the laboratories of MEPhI - **scientific-educational center "Nanotechnologies"** |

**27 May 2016, Friday**

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| 09. 00 – 10.00 | **Registration of participants of the conference**  *Conference hall of the 7rd floor of the building-K of*  *of MEPhI* |
| **Section 5** | Chairman: ***Andrey P. Kuznetsov*** |
| 10.00-10.40 | ***Yuri N. Kulchin*** (IAPU RAS, Vladivostok, MEPhI) **”Modern Photonics”** |
| 10.40-11.20 | ***Andrei V. Kabashin***  **(**Aix-Marseille University, France**) "Novel Materials and Methods for Bionanophotonics"** |
| 11.20-11.40 | Break |
| 11.40-12.20 | ***Irina N. Zavestovskaya*** (LPI, MEPhI) «**Laser materials nanostructurization»** |
| 12.20-13.00 | ***Alexander V. Osadchy*** (GPI, MEPhI)**«Modeling of nanomaterials optical properties»** |
| 13.00-14.00 | Lunch |
| 14.00-17.00 | The tour of the **laboratory of nano-bioengineering** of MEPhI |