



EU-Russian Open Days

5-th International Workshop

***Nanotechnology applications in the automobile industry and mechanical engineering
High-quality research and advanced Research Infrastructures (RI) in Russia and EU***

***The Russian Centre of Science and Culture in Italy
00186 Rome, Piazza Benedetto Cairoli, 6***



October 2012

Organizers of the Event

- Ministry of Education and Science of the Russian Federation
- NCP for Research Infrastructures in Russia
- Russian Centre of Science and Culture in Rome

Event is supported by

- Ministry of Education and Science of the Russian Federation
- Russian Centre of Science and Culture in Rome
- National University of Science and Technology “MISIS”

Organizing Committee Members

- Evgeny Ugrinovich, the Ministry of Education and Science of the Russian Federation
- Evgeny Levashov, National University of Science and Technology “MISIS”, NCP “Infrastructure”
- Dora Farmaki, National Hellenic Research Foundation (EKT/NHRF, Greece); FP7 EuroRIs-NET+ coordinator
- Oleg Osipov, the Russian Centre of Science and Culture in Italy

For the latest workshop information and news: <http://fp7-infra.misis.ru/en/>

More info & contact person:

Marine Melkonyan, Coordinator of FP7 Research Infrastructures NCP in Russia

Phone: +7-495-638-46-29;

GPS: +7 916 7079257

Fax: +7-499-236-21-05;

E-mail: fp7-infra@misis.ru;

Invitation and Workshop objectives

The Ministry of Education and Science of the Russian Federation, the Russian FP7 Research Infrastructures NCP are pleased to invite you to the 5-th International Workshop and exhibition entitled: "Nanotechnology applications in the automobile industry and mechanical engineering. High-quality research and advanced Research Infrastructures (RI) in Russia and EU".

The event will take place in the Russian Centre of Science and Culture in Rome (Italy) on October 1-5, 2012.

The workshop will be supported by the Russian Ministry of Education and Science, and partially the European Network of National Contact Points for Research Infrastructures (RIs NCP Network).

The main objectives of the event are to present:

- Russian large-scale RI in the area of N&N (unique scientific equipment and complexes, Joint Use Centres) relevant to the automobile industry and mechanical engineering;
- Russian leading research centres possessing high potential for building new RIs (including e-Infrastructures) to the European Scientific Community and stakeholders;
- RIs' strategy in the Russian Federation;

To discuss:

- Next steps in the development process of "Virtual Institute of Research Infrastructures" (VIRIS) within FP7, utilizing the Russian and European RIs possibilities;
- Opportunities and challenges for stronger synergies between Russian and European RIs policies.



SCIENTIFIC PROGRAM

Nanotechnology applications in the automobile industry and mechanical engineering High-quality research and advanced Research Infrastructures (RI) in Russia and EU

The first day - October 01, 2012

Registration 9³⁰ – 10⁰⁰

Welcome coffee

Opening Ceremony 10⁰⁰ – 11⁰⁰

Welcome Addresses

Director of the Russian Centre of Science and Culture in Italy
Representative of the Embassy of Russian Federation in Italy
Representative of European Commission –Directorate-General for Research and Technological Development (DG RTD)
Representatives of the Italian organizations
Representative of the Ministry of Education and Science of the Russian Federation
Representative of European RIs NCP Network

Session I: 11⁰⁰ – 13⁰⁰

Chairman: Igor Chashey, Dr. Sc., Prof., Deputy Director of the Pushchino Radio Astronomy Observatory, Russian Academy of Science, Moscow Region, Pushchino

Name of Speaker	Title of oral presentation	Affiliation and Position	Contact address
Evgeny Levashov	New generation of multifunctional coatings for the automobile industry and mechanical engineering	Dr. Sc., Prof., Head of Russian FP7 Research Infrastructures NCP, Head of SHS-Center and Department "Powder Metallurgy and Functional Coatings", National University of Science and Technology "MISIS", Moscow	phone: +7-495-638-4500 fax: +7-499-236-5298 mobile: +7-916-690-8045 e-mail: levashov@shs.misis.ru
Valery Bukhtiyarov	Nanostructured catalysts. To meet EURO standards for fuel quality and vehicle emission	Dr. Sc., Prof., Member Correspondent of RAS, Deputy Director and Laboratory Head of the Borekov' Institute of Catalysis, Siberian Branch of Russian Academy of Science, Novosibirsk	phone : +7-383-330-6771 fax: +7-383-330-8356 e-mail: vib@catalysis.nsk.su
Aleksey Oryshchenko	High strength nanostructured steels characterized by high resistance to fractures in extreme conditions	Dr. Sc., General Director of the Federal State Unitary Enterprise "Central Research Institute of Structural Materials "PROMETEI", St-Petersburg	phone : +7-812-274-17-07 +7-812-274-2330 e-mail: mail@crism.ru
Pavel Todua	Metrology and standardization for Nanotechnologies	Dr. Sc., Prof., Director of Research Center for Surface and Vacuum, Dean of the State Technical University "Moscow Physical-Technical Institute", Moscow	phone: +7-495-935-9666 +7-495-935-9777 fax: +7-495-935-9690 e-mail: fgupnicpv@mail.ru

13.00 -14.00	Exhibition opening		
14.00 – 15.00	Lunch		
15.00 -17.00	<p>Panel discussion: The bilateral interaction of EU-Russian Research infrastructures. Sharing experiences, identifying opportunities for synergy, challenges and recommendations</p> <p>Moderator: Marine Melkonyan, Coordinator of FP7 Research Infrastructures NCP in Russia</p>		
Marine Melkonyan	<p>Research infrastructures in Russia and EU. EuroRIs-Net FP7 project</p>	<p>PhD, coordinator of Russian FP7 Research Infrastructures NCP National University of Science and Technology "MISIS", Moscow</p>	<p>phone: +7 495 638 46 29 fax: +7 499 2362105 e-mail: m.melkonyan@misis.ru fp7-infra@misis.ru</p>
18.00 – 20.30	All participants are invited to Reception		

The second day - October 02, 2012

10.00 -13.30

Session 2

Chairman: Pavel Todua, Dr. Sc., Prof., Director of Research Center for Surface and Vacuum, Moscow

Name of Speaker	Title of oral presentation	Affiliation and Position	Contact address
Mikhail Filonov	Nanotechnologies for the automobile industry and mechanical engineering. MISIS main developments in this area	Dr. Sc., Prof., Vice-Rector for Science and Innovations, Head of Scientific-Educational Center "Nanomaterials and Nanotechnologies", National Research Technological University "MISIS", Moscow	Phone: +7 499 237 22 25 Fax: +7 499 236 21 05 GPS: +7-917-530-8837 e-mail: filonov@misis.ru
Vladimir Balakirev	Phase transformations in Ln-Mn-O three component systems (Ln = rare earth element) in air and for the different oxygen pressure	Dr. Sc., Prof., Member Correspondent of RAS, Institute of Metallurgy of the Ural Branch of Russian Academy of Science, Yekaterinburg	Phone: +7 343 267 89 04 , +7 343 267 89 09 e-mail: yfbal@mail.ru
Igor Chashey	Pushchino Radio Astronomy Observatory in Research Infrastructures: Science, Facilities and International Collaboration	Dr. Sc., Prof., Deputy Director of the Pushchino Radio Astronomy Observatory, Russian Academy of Science, Moscow Region, Pushchino	phone: +7-4967-73-2757 GPS: +7-962-993-6440 e-mail: chashey@prao.ru

11.30 – 12.00	Coffee – break		
Konstantin Kuper	Fundamental and applied investigations in "Siberian Synchrotron and Terahertz Radiation Center	Ph.D, Senior research worker, Budker Institute of Nuclear Physics Siberian Branch of Russian Academy of Science, Novosibirsk	phone: +7-383-329-41-54 GPS: +7-923-23-121-96 e-mail: k.e.kuper@inp.nsk.su
Ruslan Valiev	High-strength nanostructured metals and alloys produced by severe plastic deformation. Potential for innovation application.	Dr. Sci., Professor, Scientific Director of the Institute of Physics of Advanced Materials (IPAM), Ufa State Aviation Technical University (USATU), Ufa	phone: + 7 3472 73 34 22 Fax: + 7 3472 73 34 22 GPS: 8-927-234-66-02 e-mail: rzvaliev@mail.rb.ru
Vladimir Kryukov	Research directions of the Centre for competence and advanced technologies	Dr. Sc., Head of the Innovative Technological Center "Technopark Perspektiva" (ITC), Moscow	GPS: +7-916-629-0610 e-mail: vkryukov@techno-park.org
13.30– 14.30	Lunch Break – Table Discussion		

14.30 - 18.00	Poster Session continue. Working meetings with EuroRISNet FP7 members (http://www.euroris-net.eu)
The third day – October 3, 2012	
10.00 – 13.00	Visiting the Italian organizations with high competence in the area of N&N for the automobile industry and mechanical engineering
13.00 - 14.00	Discussion and joint lunches and dinners are welcome
14.00 – 18.00	Visiting Università degli Studi di Roma «La Sapienza»