



7th German-Russian Travelling Seminar “Nanomaterials and Scattering Methods”



BRIEF PROGRAM

11.09.17 Ekaterinburg **Ural Federal University**

10:00 – 10:20 **TS-2017 Opening session**

10:00-10:05 Opening speech of Organizing Committee Chairman, **Corresponding Member of the RAS, Prof. Andrey Rempel**

10:05-10:10 Opening speech of Rector of UrFU **Dr. Victor Koksharov**

10:10-10:15 Opening speech of Vice-president of the RAS, Chairman of the Ural Branch of the RAS, **Academician of the RAS, Prof. Valery Charushin**

10:15-10:20 Opening speech of Organizing Committee Chairman **Prof. Andreas Magerl**

10:20 – 10:45 *Coffee break*

10:45 – 11:00 **Prof. Andreas Magerl, Prof. Mirijam Zobel** – “Concept of the TS-2017”

11:00 – 12:00 **Prof. Andreas Magerl** – “The fundamentals of scattering methods”

12:00 – 12:45 **Prof. Ernst Kurmaev** – “Resonant inelastic X-ray scattering (RIXS) as a probe of electronic structure of solids”

12:45 – 14:00 *Lunch*

14:00 – 14:45 **Dr. Sc. Maxim Ananyev** – “Surface defect chemistry”

14:45 – 15:15 Aleksey Perepelitsa

15:15 – 15:45 Benedikt Sochor

15:45 – 16:15 *Coffee break*

16:15 – 17:15 Guided tour to NANOTECH center of UrFU

17:15 *Cultural program*

19:00 *Welcome dinner* (Restaurant Krasna hata. 8 Marta str., bld. 46)

12.09.17 Ekaterinburg **Institute of Electro-physics of Ural Branch of Russian Academy of Sciences (IEP UB RAS)**
09:30 – 09:45 **Deputy director of IEP UB RAS, Dr. Anton Kaygorodov** – Opening in IEP UB RAS
09:45 – 10:30 **Dr. Anton Kaygorodov** – “Nanotechnologies in creating of advanced ceramics for different applications”
10:30 – 12:00 Guided tour to IEP labs
12:00 – 13:15 *Lunch*
13:15 – 14:15 **Prof. Mirijam Zobel** – “Structure of non-crystalline substances in the X-ray beam”
14:15 – 14:45 Eckardt Mirco
14:45 – 15:15 Elizaveta Derevyannikova
15:15 – 15:45 *Coffee break*
15:45 – 16:15 Andrey Leonov
16:15 – 16:45 Tobias Lauster
16:45 *Cultural program*

13.09.17 *Transfer to Kazan*

14.09.17 Kazan **German-Russian Institute of Advanced Technologies (GRIAT)**
09:30 – 09:45 **Director of GRIAT, Dr. Sven Rost** – Opening in GRIAT
09:45 – 10:30 **Prof. Albert Gilmudinov** – “Production and use (additive manufacturing) of nanomaterials”
10:30 – 11:00 Sebastian Krauß
11:00 – 11:30 Yulia Perevozchikova
11:30 – 12:00 Anton Weißbach
12:00 – 13:00 *Lunch*
13:00 – 15:00 Guided tour to GRIAT labs
15:00 – 15:30 *Coffee break*
15:30 – 16:00 Ilya Balyakin
16:00 – 16:30 Felix Wenzel
16:30 *Cultural program*

15.09.17 Kazan **Arbuzov Institute of Organic and Physical Chemistry of Kazan Scientific Centre of Russian Academy of Sciences**

09:00 – 09:15 **Director of IOPC, Chairman of the Kazan Scientific Centre of the RAS, Academician of RAS, Prof. Oleg Sinyashin** – Opening in IOPC KSC RAS

09:15 – 10:00 **Prof. Aidar Gubaydullin** – “X-Ray Diffraction Methods in Nanoscience“

10:00 – 10:45 **Prof. Marina Balakina** – “Polymer Materials with Quadratic Nonlinear-optical Activity“

10:45 – 11:15 *Coffee break*

11:15 – 12:45 Guided tour to IOPC labs

12:45 – 14:00 *Lunch*

14:00 – 14:30 Alessandro Greco

14:30 – 15:00 Markus Hecht

15:00 – 15:30 Yaroslav Biryukov

15:30 – 16:00 Daniil Kozlov

16:00 *Cultural program*

16-17.09.17 *Cultural program*

18.09.17 Dubna **Joint Institute for Nuclear Research (JINR)**

09:00 – 09:15 **Deputy director of JINR, Prof. Egor Lychagin** – Opening in JINR

09:15 – 10:00 **Prof. Egor Lychagin** – “Frank Laboratory of Neutron Physics at JINR, Dubna”

10:00 – 10:45 **Prof. Viktor Petrenko** – “Structural Stability Of Bio-Macromolecules And Nanoparticles According To Small-Angle Scattering Data”

10:45 – 11:15 *Coffee break*

11:15 – 12:30 Guided tour to JINR labs (**Prof. Dorota Chudoba**)

12:30 – 13:30 *Lunch*

13:30 – 14:00 Ekaterina Anikina

14:00 – 14:30 Maxim Syrtanov

14:30 – 15:00 Christoph Habel

15:00 – 15:30 Matthias Wiecha

19.09.17 Moscow

Moscow State University (MSU)

09:00 – 09:15 **Vice-rector of MSU, Professor of RAS, Prof. Andrei Fedyanin** – Opening in MSU

09:15 – 10:00 **Professor of RAS, Prof. Igor Potemkin** – “Soft matter nanomaterials”

10:00 – 10:45 **Prof. Olga Filippova** – “Tuning the structure of polymer-surfactant systems”

10:45 – 11:15 *Coffee break*

11:15 – 13:00 Guided tour to MSU main building (MSU museum, observation deck)

13:00 – 14:00 *Lunch*

14:00 *Cultural program*

20.09.17 Moscow

Skolkovo Institute of Science and Technology (Skoltech)

09:00 – 09:45 **Director of the Skoltech Centre for Photonics and Quantum Materials (CPQM), Prof. Ildar Gabitov** –
“Welcome speech and Overview of CPQM”

09:45 – 10:30 **Dr. Sergei Kosolobov** – “Modern research techniques”

10:30 – 11:00 *Coffee break*

11:00 – 12:00 Guided tour to Skoltech labs:

1. Overview of Hybrid Photonics Laboratory (**Dr. Mael Brossard**)

2. Overview of Nanomaterials Laboratory (**Prof. Albert Nasibulin and Dr. Yuriy Gladush**)

12:00 – 13:00 *Lunch*

13:00 – 13:30 Theresa Nemeth

13:30 – 14:00 Sabrina Thomä

14:00 – 14:30 Julia Ariko

14:30 – 15:00 *Coffee break*

15:00 – 15:30 Fabian Nehr

15:30 – 16:00 Olga Saprykina

21.09.17 Moscow

Institute of Spectroscopy of Russian Academy of Sciences (ISAN)

10:00 – 10:15 **Director of ISAN, Prof. Dr. Viktor Zadkov** – Opening in ISAN, Welcome talk

10:15 – 11:00 **Corresponding Member of RAS, Prof. Dr. Evgeny Vinogradov** – “Near field phonon-polariton spectroscopy as a method for studying the optical properties of nanofilms”

11:00 – 11:45 **Professor of RAS, Prof. Dr. Andrei Naumov** – “Laser selective spectroscopy of single organic dye-molecules and quantum dots: basic aspects and applications in nanoscopy”.

11:45 – 12:45 *Lunch*

12:45 – 14:15 Guided tour to ISAN labs (*):

1. Atom optics and nanophotonics (**Dr. Anton Afanasiev; Prof. Dr. Viktor Balykin**)

Laboratory of Laser Spectroscopy, Laser Spectroscopy Dept.

2. Single molecule spectroscopy and nanoscopy (**Dr. Ivan Eremchev; Prof. Dr. Andrei Naumov**)

Lab. of Electronic Spectra of Molecules, Molecular Spectroscopy Dept.

3. Ultrafast spectroscopy (**Prof. Dr. Sergey Aseyev**)

Lab. of Ultrafast Spectroscopy, Laser Spectroscopy Dept.

14:15 – 14:30 *Coffee break*

14:30 – 16:00 **Prof. Mirijam Zobel** – Closing session