

RACIRI 2019 Summer School

Structure, Real-time Dynamics and Processes in Complex Systems

04. - 11.08.2019, Svetlogorsk, Russia



Immanuel Kant Baltic Federal University

| Time | Sunday 04.08. | Monday 05.08. | Tuesday 06.08. | Wednesday 07.08. | Thursday 08.08. | Friday 09.08. | Saturday 10.08. | Sunday 11.08. |
|-------------|--|---|---|---|---|---|---|--------------------------|
| | Arrival | X-ray & Neutron Sources, Fundamentals of Scattering | Experimental Techniques & related Theory | Basic Science, Quantum Materials, Data Science | Cultural Excursion | Soft Matter & Life Science | Applications towards a Sustainable Development | Departure |
| 07:30-08:30 | | | | | Breakfast | | | |
| 08:30-09:30 | | Opening Ceremony (8.45 - 9.30) | L6 Alexander Belushkin Neutron techniques for the study of condensed matter | L12 Alexander Soldatov Local order in a disordered kingdom: insight with synchrotron radiation | | L18 Harald Reichert Hard X-rays for soft matter | L23 Tatyana Feldman Neutron study of visual pigment rhodopsin | |
| 09:30-10:30 | | L1 Introductory Lecture Mikhail V. Kovalchuk | L7 Anders Nilsson X-ray studies of the mysteries of water | L13 Hermann Dürr Electron and spin dynamics | | L19 Sarah Koester Hard X-rays for cell imaging | L24 Evgeny Antipov Storage batteries - progress from neutron and X-ray research | Check out & Departure |
| 10:30-11:00 | | Coffee & Tea | | | | Coffee & Tea | | (before 12:00h) |
| 11:00-12:00 | | L2 Vladimir Voronin State-of-the-art neutron sources | L8 Zahid Hussain Advanced techniques in photoelectron spectroscopy | L14 Hlynur Gretarsson Entering the world of spin-orbit-coupled materials using RIXS | | L20 Jörg Pieper Structure and dynamics of biomolecules studied by neutron scattering | Free time | |
| 12:00-12:30 | | Group Picture | Free | time | | Free time | | - |
| 12:30-13:30 | | Lunch | | | | Lunch | | |
| 13:30-14:30 | Arrival & Check-in (rooms available from 13:00h) | L3 Serguei Molodtsov X-ray sources - from Röntgen's tube via SR towards XFEL facilities | L9 Joseph Nordgren Soft X-ray emission spectroscopy and resonant inelastic X-ray scattering | L15 Marco Merlini X-ray studies of matter at extreme pressures and high temperature | Excursion to Curonian Spit | L21 Valeriya Samygina Structural Biology - a weapon against disease | L25 Robert Schlögl Dynamics of catalysts for energy applications | |
| 14:30-15:30 | | L4 Bridget Murphy Basic scattering theory I - X-rays | L10 Jaques Ollivier Time-resolved measurements by neutron scattering | L16 Joachim Stohr The nature of X-rays | & Kaliningrad (inkl. Organ Concert at Cathedral) | L22 Eleonora Shtykova SAXS by stressed cells in vitro and in vivo | L26 Raif Vasilov Bio-economics as the basis for a sustainable development | |
| 15:30-16:00 | | Coffee & Tea Coffee & Tea Coffee & Tea | | | | Coffee & Tea | | |
| 16:00-17:00 | | L5 Frank Schreiber Basic scattering theory II - Neutrons | L11 <i>Marianne Liebi</i> Advanced imaging techniques with coherent X-rays | L17 Jonathan Taylor Data management and software | | Tutorials IV | Tutorials V | |
| 17:00-18:00 | | Tutorials I | Tutorials II | Tutorials III | | SCIENCE SLAM Presentations | L27 Andrey Popeko Keynote Lecture 150 years of Periodic Table of elements | |
| 18:00-19:00 | | Free time | Free time | Free time | | | Free time (or bus trip to Closing Dinner) | |
| 19:00-20:00 | Welcome | Dinner | | | | Dinner | | |
| 20:00-22:00 | Barbecue & Social Gathering | Poster Session I | Preparation of SCIENCE SLAM Preparation of Cultural Evening | Poster Session II | | Cultural Evening | Closing Dinner & Awards | |
| | | | | | Dinner | directed by the students | | |
| S | ponsored by: | RFBR | dNess Rederal Ministry of Education and Research | VANHA HERE | | | | |