

Program
Rostov-on-Don, 23 April, 2018
Smart materials and Mega-Scale Research Facilities

- 13:00 – 13:05** Opening ceremony
- 13:05 – 13:35** Professor Carlo Lamberti
“Characterization of metal organic frameworks by Synchrotron radiation techniques”
- 13:35 – 14:45** Oral presentations*. A Session (10 persons)
- A1. A. Aboraia**, “Effects of Fe-substitution on structural and electronic properties of LiCoPO₄ cathode material”
- A2. S. Cherkasova** “Structural, electronic and optical properties of Cu-doped SiO₂ glass”
- A3. E. Kamyshova** “Formation of palladium nanoparticles inside UiO-67 according to in situ x-ray absorption spectroscopy”
- A4. A. Kozlenko** “Study of bulky substituents influence on photochromic properties of salt spiropyrans”
- A5. I. Lobzenko** “Biochar development by pyrolysis of plant residues”
- A6. A. Martini** “Revealing Cu speciation in Cu-CHA zeolites by Multivariate Techniques applied on in situ X-Ray Absorption Spectroscopy”
- A7. Yu. Rusalev**, “Insights on mechanisms of CO oxidation over Cu/CeO₂ catalyst from x-ray absorption and kinetics analysis”
- A8. V. Shapovalov**, “Operando studies of mixed d-metal olivine cathode materials for Li-ion batteries using XAS and Mossbauer spectroscopy”
- A9. A. Tereshchenko**, “Palladium nanoparticles on different supports revealed by adsorption of probe molecules using infrared spectroscopy”
- A10. O. Usoltsev** “Detection of core and shell carbides in palladium nanoparticles by XANES and EXAFS”
- 14:45 – 15:00** Break

15:00 – 16:30 Oral presentations* . **B Session** (13 persons)

B1. S. Lelouche “Gold nanoparticles embedded into porous matrices: structural and electronic properties”

B2. V. Malay “Synthesis of new spiropyrans of indoline series, based on 2,7-dihydroxynaphthaldehyde”

B3. P. Medvedev “The study of MIL-88a activation process”

B4. M. Kirichkov “Characterization and computer modeling of the intermediate products in the process of the gold reduction by oleylamine”

B5. Yu. Pimonova “Carbon materials with bamboo-like nanotubes active in the oxygen reduction reaction”

B6. V. Polyakov “Chemical synthesis of noble metal-based catalysts”

B7. A. Pugachev “New salt spiropyran with bromine atom”

B8. E. Noyan “Effect Of Barnyard Biochar And Poultry Biochar Application On Post Harvest Soil, Yield And Development Of Dwarf Bean”

B9. K. Shalimova “Bimetallic ZIFs for halogens capture”

B10. A. Severin “Modulated synthesis of MOF MIL-88A”

B11. A. Skorynina “Surface-Core-Shell Structure of Palladium Nanoparticles”

B12. K. Vetlitsyna-Novikova “The formation of UiO-66/MIL-140A polymorphs during MW synthesis”

B13. S. Zaytsev “2D carboran systems with octahedral fragments: quantum-chemical study”

* We kindly ask all participants to keep to the timetable: **5 minutes** for the report and **2 minutes** for questions.

Venue:

The workshop will be held in a building of SFEDU Computer Center (ЮГИИФО) in a room **206** (address: 200/1, Stachki av., Rostov-on-Don, Russia, 344090)