



ADVANCES IN SYNTHESIS AND COMPLEXING

INORGANIC AND COORDINATION CHEMISTRY SECTION

25 April, TUESDAY

- 9.00 - 10.00** Registration (Ordgonikidze st. 3, room 102).
10.00 - 13.00 Plenary lectures
13.00 - 14.00 Lunch
15.00 - 18.00 The first German-Russian interdisciplinary Student Workshop: “Nanoscale interdisciplinary research: physics, chemistry, biology, mathematics” (Miklukho-Maklaya st. 6, Main Building)
19.00 – 21.00 Get-together party

Ordgonikidze st. 3, club

10.00-10.10	Leonid G. Voskressensky (Dean of the Science Faculty)	Greetings
10.15-10.55	Valentine P. Ananikov (Zelinsky IOC, Russia)	Dynamic phenomena in catalytic transformations: influence on efficiency and selectivity
11.00-11.40	Vladimir N. Gevorgyan (University of Illinois at Chicago, USA)	Development of Novel C–H Functionalization Methodologies
11.45-12.15	Frédéric Lamaty (Institut des Biomolécules Max Mousseron, France)	Mechanochemistry : a powerful sustainable approach in organic and organometallic synthesis
<i>(Departure to G-RISC workshop)</i>		
12.20-13.00	Gromov Sergey Panteleimonovich (Photochemistry Center of the RAS)	Photoactive supramolecular devices and machines based on unsaturated and macrocyclic compounds
13.00-14.00	LUNCH	
19.00	PARTY	



26 April, WEDNESDAY

9.00 - 11.10 Plenary lectures (Ordgonikidze st. 3, club).**13.00 - 14.00 Lunch****14.00 – 16.30 Section work, oral talks****16.30 - 18.00 Poster session**

9.00-9.40	Andrei V. Malkov (Loughborough University, UK)	Catalytic Stereoselective Formation of C-C and C-N Bonds in Target-Oriented Synthesis
9.45-10.25	Ahmad Shaabani (Shahid Beheshti University, Iran)	Isocyanide based multicomponent reactions in Iran
10.30-11.10	Jef De Brabander (University of Texas Southwestern Medical Center, USA)	Natural Products: An Opportunity for Discovery
11.10-11.40	COFFEE-BREAK	
Ordgonikidze st. 3, 7th floor, HALL №2		
12.00-12.30	Belkova Natalia Viktorovna (A.N. Nesmeyanov Institute of Organoelement Compounds, RAS)	Coordination chemistry and reactivity of iridium pincer hydrides
12.30-12.50	Glushkov Vladimir Aleksandrovich (Institute of Technical chemistry, Ural's branch of RAS; Perm State National Research University)	Synthesis and studies on catalytic performance of new NHC-Pd(II) PEPPSI-type complex
12.50-13.00	Tarakanova Ekaterina N. (Institute of Physiologically Active Compounds, Russian Academy of Sciences)	Structural features of sandwich-type tetradiazepinoporphyrzine lanthanide complexes
13.00-14.00	LUNCH	
14.00-14.20	Vikulova Evgeniia Sergeevna (Nikolaev Institute of Inorganic Chemistry SB RAS)	Volatile iridium(I) β -diketone derivatives for MOCVD application: synthesis, structure, thermal properties
14.20-14.30	Nosova Yulia Nikolaevna (Chemistry Department. Lomonosov Moscow State University)	Enhancing the cytotoxic activity of anticancer Pt(IV) complexes by introduction of glycolysis inhibitor as an axial ligand
14.40-14.50	Shurygin Anton Vladimirovich (Far Eastern Federal University)	Electronic structure of adducts of Eu(III) β -diketonates complexes
14.50-15.00	Dyukova Irina Ivanovna (Novosibirsk State University, Institute of Inorganic Chemistry, Siberian Division of RAS)	Synthesis, structure and biological activity of Cu(II) coordination compounds with heterocyclic polynitrogen ligands
15.10-15.20	Sukat Georgiy Yanovich (Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences)	Novel Type of Preorganized C3-Symmetrical Triarylphosphine Oxide Tripodal Ligands: Synthesis, Coordination and Extraction Properties
15.20-15.30	Protas Akeksandra Vladimirovna (Institute of Chemistry, Saint Petersburg State University)	DNA/protein binding and gel electrophoresis studies of novel water soluble palladium(II) complexes featuring



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		tetrazolylacetic acids and their esters
15.30-15.40	Kuvichkina Tatiana Nikolaevna (G.K. Skryabin Institute of Biochemistry and Physiology of Microorganisms, RAS)	Oxidation of ethylenediaminetetraacetate, diethylenetriaminepentaacetate and their complexes with the metals of immobilized bacterial cells of <i>Chelativorans oligotrophicus</i> VKM B-2395
15.50-16.00	Gorobtsov Philipp Yurievich (Kurnakov Institute of General and Inorganic Chemistry)	Heteroligand metal complexes of alkoxy- β -diketonate species as prospective precursors for functional nanomaterials
16.00-16.30		
16.30-17.00	COFFEE-BREAK	
16.30-18.00	POSTER SESSION	



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27 April, THURSDAY

9.00 - 12.00 Plenary lectures (Ordgonikidze st. 3, club).

13.00 - 14.00 Lunch

15.00 - 19.00 Cultural Program

9.00-9.40	Lutz F. Tietze (Georg-August-University Göttingen, Germany)	Domino Reactions. The Green and Economical Art of Chemical Synthesis
9.40-10.20	Cosimo Altomare (University of Bari Aldo Moro, Italy)	Fragment-based approach to the optimization of glycosidic inhibitors of blood coagulation proteases: Deconstruction, superadditivity, and selectivity
10.20-10.50	Jing Zhao (Peking University, China)	Bridging Chemistry and Biology through Metal Catalysis
11.00-11.30	COFFEE-BREAK	
11.30-12.00	Hiroyuki Nakamura (Tokyo Institute of Technology, Japan)	C-H versus C-C in Activation of Propargylic Amines under Transition-Metal Catalysis
15.00-19.00	CULTURAL PROGRAM	



ADVANCES IN SYNTHESIS AND COMPLEXING

28 April, FRIDAY

9.00 - 12.00 Plenary lectures (Ordgonikidze st. 3, club).

13.00 - 14.00 Lunch

14.00 – 16.30 Section work, oral talks

16.00 - 18.00 Poster session (Organic chemistry section)

18.00 - 18.30 Reward ceremony, Conference closure

9.00-9.40	Andrei Antonchick (Technical University of Dortmund, Germany)	Advances in Heterocycle Synthesis
9.40-10.20	Oliver Reiser (Universität Regensburg, Germany)	Converting hay to gold with modern spinning wheels: Non-edible, renewable resources as starting materials for the synthesis of fine chemicals utilizing light, flow and mag(net)ic catalysts
10.20-11.00	Thomas J.J. Mueller (Dusseldorf University)	Sequentially Pd-catalyzed one-pot syntheses of functional heterocycles
11.00-11.30	COFFEE-BREAK	
11.30-12.00	Tatiana V. Timofeeva (New Mexico Highlands University, USA)	Structural Tuning of Luminescent and Magnetic Properties of Porous Metal Organic Frameworks
Ordgonikidze st. 3, 7th floor, HALL №2		
12.10-12.30	Fedorchenko Irina Valentinovna (Kurnakov Institute of General and Inorganic Chemistry)	Nanocomposites based on semiconductor-ferromagnetic alloys
12.30-12.50	Golub Igor Evgen'evich (People's Friendship University of Russia, RUDN University)	Proton-Hydride Transfer and BH/XH Activation in Metal Tetrahydroborates Alcoholysis
12.50-13.00	Puzyrev Igor Sergeevich (Institute of Organic Synthesis, Ural Branch, Russian Academy of Sciences)	The use of metal polyolates in synthesis of metal oxides and composites
13.00-14.00	LUNCH	
14.00-14.20	Titov Aleksei Aleksandrovich (People's Friendship University of Russia, RUDN university)	Complexes formed by trimeric copper(I) and silver(I) pyrazolates with phosphorus containing compounds
14.20-14.30	Godunov Evgeny Borisovich (Moscow Polytechnic University, Kurnakov Institute of General and Inorganic Chemistry, RAS)	Application of the method of electrometric titration for determination of oxidation level of atoms of manganese in the synthesized manganese oxides
14.30-14.40	Bezdomnikov Alexey Alexandrovich (Moscow Technological University, MITHT)	Modification of surfaces of aluminum alloys for controlling functional properties
14.50-15.00	Mikhailenko Evgeny Vladimirovich (Far Eastern Federal University)	Electronic structure of adducts of Eu(III) β -diketonates complexes
15.00-15.10	Khamidullina Liliya Albertovna (Ural Federal University named after	Binding properties of some of fluorine-containing aryl- β -diketones: biological



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	the first President of Russia B.N. Yeltsin)	activity and luminescent properties of metal complexes
15.20- 15.30	Zubenko Anastasia Dmitrievna (INEOS RAS)	Synthesis and complex formation of pyridine-azacrown macrocycles with heavy and rare earth metal ions in aqueous solution
15.30- 15.45	SECTION CLOSURE	
16.00- 17.00	COFFEE-BREAK	
16.00- 18.00	POSTER SESSION	
18.00- 18.30	REWARD CEREMONY, CONFERENCE CLOSURE	