Scientific program



Organometallic Chemistry Around the World

(7th Razuvaev Lectures)

Russian-Chinese Workshop on Coordination and Supramolecular Chemistry

Cluster of International Conferences Topical Problems of Modern Chemistry

Organometallic Chemistry Around the World (7th Razuvaev Lectures)

18th International Conference on Chemistry and Physical Chemistry of Oligomers

Russian-Chinese Workshop on Coordination and Supramolecular Chemistry

Nizhny Novgorod, September 16-21, 2019

Organizing committee:

Prof. Gleb A. Abakumov (Chairman) Nizhny Novgorod

Prof. Sergey M. Aldoshin Chernogolovka

Prof. Alexandr A. Berlin Moscow

Prof. Vladimir K. Cherkasov Nizhny Novgorod

Prof. Igor L. Fedushkin Nizhny Novgorod

Prof. Dmitry F. Grishin Nizhny Novgorod

Prof. **Andreas Grohmann** *Germany*

Prof. Xiao-Juan Yang China

Prof. Biao Wu China

ORGANIZERS

Ministry of Science and Higher Education

Russian Academy of Sciences

Department of Chemistry and Material Science of RAS

G.A. Razuvaev Institute of Organometallic Chemistry of RAS

Russian Foundation for Basic Research

Lobachevsky State University of Nizhny Novgorod

Northwest University

Organometallic Chemistry Around the World (7th Razuvaev Lectures)

Nizhny Novgorod, September 16-21, 2019

Organizing committee:

Prof.	Gleb A.	Abakumov	(Co-Chairman)	Nizhn	v Novaorod
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Prof. Sergey M. Aldoshin Chernogolovka

Prof. **Igor S. Antipin** *Kazan*

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Prof. Alexander A. Trifonov Moscow

Prof. Sergey Z. Vatsadze Moscow

The conference was supported by Russian Foundation for Basic Research (project 19-03-20073) and Ministry of Science and Higher Education.

Russian-Chinese Workshop on Coordination and Supramolecular Chemistry

Nizhny Novgorod, September 16-21, 2019

Organizing committee:

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Prof. Vladimir I. Bregadze Moscow

Prof. **Chunming Cui** *Nankai*

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Prof. **Guo-Xin Jin** *Shanghai*

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Prof. Sergey Z. Vatsadze Moscow

Prof. Biao Wu (Vice Chairman) Xi'an

Prof. Yanxia Zhao Xi'an

"Mikhail Frunze" Traffic Road

Date	Arrival	Departure	Place
15.09.2019		23.55	N. Novgorod
17.09.2019	08.30	13.30	Yaroslavl'
18.09.2019	14.00	19.00	Goritsy
19.09.2019	16.00	19.00	Uglich
20.09.2019	17.30	20.00	Pleos
21.09.2019	15.00 – 17.00		N. Novgorod

OVERALL SCHEDULE

Monday, September 16th

8.00	BREAKFAST
9.00 – 9.15	Cluster of International Conferences Opening
9.15 – 9.30	"Razuvaev's Lectures" Opening
9.30 – 11.00	Session 1
11.00 – 11.15	Coffee Break
11.15 – 12.45	Session 2
13.00	LUNCH
14.00 – 16.30	Session 3
16.30 – 16.45	Coffee Break
16.45 – 19.25	Session 4
20.00	DINNER
22.00	WELCOME PARTY

Tuesday, September 17th

7.30	BREAKFAST
8.30 – 13.30	Stop in Yaroslavl'
13.30	LUNCH
15.00 – 17.10	Session 5
17.10 – 17.30	Coffee Break
17.30 – 19.50	Session 6
20.00	DINNER

Wednesday, September 18th

8.00	BREAKFAST
9.00 - 11.00	Session 7

11.00 – 11.15	Coffee Break
11.15 – 12.55	Session 8
13.00	LUNCH
14.00 - 19.00	Stop in Goritsy
19.00 – 20.00	Round table
20.00	DINNER
21.00 – 22.00	Posters Session

Thursday, September 19th

8.00	BREAKFAST
9.00 – 11.10	Session 9
11.10 - 11.25	Coffee Break
11.25 – 12.55	Session 10
13.00	LUNCH
14.00 – 15.20	Session 11
16.00 – 19.00	Stop in Uglich
20.00	DINNER

Friday, September 20th

8.00	BREAKFAST
9.00 - 11.00	Session 12
11.00 - 11.15	Coffee Break
11.15 – 13.00	Session 13
13.00	LUNCH
14.00 – 15.50	Session 14
15.50 - 16.00	Coffee Break
16.00 – 17.30	Session 15
17.30 – 20.00	Stop in Pleos
20.00	CONFERENCE DINNER

Saturday, September 21th

8.00	BREAKFAST
9.00 – 12.15	Young Scientist Session 16
12.30 – 13.00	Closing Ceremony
13.00	LUNCH
15.00 – 17.00	Arrival to Nizhny Novgorod

"Razuvaev Lectures" Scientific Program

Monday, September 16th

8.00	BREAKFAST	
9.00 – 9.15	9.15 Cluster of International Conferences Opening	
9.15 – 9.30	"Razuvaev's Lectures" Opening	
Session 1 (9.30 – 11.00)		
Chairman Prof. Igor Fedushkin		
9.30 – 10.00	Prof. Irina P. Beletskaya , Lomonosov Moscow State University	
3.30 10.00	New trends in catalysis of organic reactions	
	Prof. Zhaomin Hou, RIKEN	
10.00 – 10.30	Recent Advances in Organo Rare Earth Catalysis for Organic	
	Synthesis and Olefin Polymerization	
	Prof. Pierre H. Dixneuf , CNRS-University of Rennes	
10.30 – 11.00	Catalytic C-H Bond Cross-Couplings and Modifications of P & N	
	Ligands	
11.00 – 11.15	Coffee Break	
	Session 2 (11.15 – 12.45)	
	Chairman Prof. Pierre Dixneuf	
	Prof. Karol L. Grela , University of Warsaw, Institute of Organic	
11.15 – 11.45	Chemistry PAS	
	"Missions Impossible" in Ruthenium Catalyzed Olefin Metathesis	
11 15 12 15	Prof. Chunming Cui, Nankai University	
11.45 – 12.15	Rare Earth Complexes for Catalytic Hydroelement Addition Reactions	
	Prof. Samuel Dagorne, CNRS-University of Strasbourg	
	Combining N-Heterocyclic Carbenes (NHCS) with Cheap and	
12.15 – 12.45	Earth-Abundant Zinc(II) and Aluminum(III) Centers: Fundamental	
	Reactivity and Use in Homogeneous Catalysis	
13.00 LUNCH		
13.00	Session 3 (14.00 – 16.30)	
	Chairman Prof. Samuel Dagorne	
	Prof. Partha Sarathi Mukherjee, Indian Institute of Science	
14.00 – 14.30	Chemistry in Molecular Vessels	
	Prof. Martin Baumgarten, Max Planck Institute of Polymer	
14.30 – 15.00	Research	
	Conjugated donor acceptor based semiconductors	
	Duck Koul Kinchmon Tooknigal University Views	
15.00 15.30	Prof. Karl Kirchner, Technical University Vienna Well defined from and Manganese Complexes in Catalysis	
15.00 – 15.30	Well-defined Iron and Manganese Complexes in Catalysis –	
	Hydrogenations, Dehydrogenations and More	

15.30 – 16.00	Prof. Anna M. Trzeciak, University of Wroclaw
	Palladium Supported on Functionalized Polysiloxanes: Simple and
	Reusable Catalysts for C-C Coupling
	Prof. Valentine Nenajdenko, Lomonosov Moscow State
16.00 – 16.30	University
10.00 10.50	Copper catalyzed reaction of hydrazones with polyhalogenated
	compounds. An efficient approach to alkenes and diazadienes.
16.30 – 16.45	Coffee Break
	Session 4 (16.45 – 19.25)
	Chairman Prof. Martin Baumgarten
	Prof. Xiao-Juan Yang, Northwest University
16.45 – 17.15	Small-Molecule Activation Studies of Metal–Metal-Bonded
	Compounds Supported by alpha-Diimine and Related Ligands
	Prof. Natalia V. Belkova , Nesmeyanov Institute of
17.15 – 17.45	Organoelement Compounds
17.15 – 17.45	Bifunctional transition metal complexes in catalytic production of
	H_2
	Prof. Dmitry Yakhvarov, Arbuzov Institute of Organic and
17.45 – 18.05	Physical Chemistry
17.45 – 18.05	Synthetic electrochemistry in modern organometallic and
	organoelement chemistry
	Dr. Denis Bazhin, Institute of Organic Synthesis UB RAS
18.05 – 18.25	Fluorinated functionalized diketonates in the synthesis of
	lanthanide complexes
	Prof. Sergey Nefedov , Institute of General and Inorganic
18.25 – 18.45	Chemistry
	Electron-deficient molecules of 3-d metals carboxylates
	Prof. Alyona Starikova , Institute of Physical and Organic
18.45 – 19.05	Chemistry at SFU
16.45 – 19.05	A computational and experimental study of metal-dioxolene
	complexes with pyridinophane ligands
	Prof. Mikhail Bochkarev, Razuvaev Institute of Organometallic
19.05 – 19.25	Chemistry
19.05 – 19.25	Luminescence of organic complexes of rare earth metals under x-
	ray and β-ray excitation
20.00	DINNER
22.00	WELCOME PARTY

Tuesday, September 17th

7.30	BREAKFAST
8.30 – 13.30	Stop in Yaroslavl'
13.30	LUNCH
	Session 5 (15.00 – 17.10)
	Chairman Prof. Sergey Konchenko
	Prof. Aiwen Lei , Wuhan University
15.00 – 15.30	One or Two Electron Redox Oxidation-Induced C-H Activation and
	Oxidative Cross-Coupling Reactions with Hydrogen Evolution
15.30 – 16.00	Prof. Elena Shubina , Nesmeyanov Institute of Organoelement Compounds
15.50 - 10.00	Dihydrogen bonding across the periodic table
	Dr. Yanxia Zhao, Northwest University
16.00 – 16.30	Reductive Linear- and Cyclo-trimerization of Isocyanides by an
	Al–Al-Bonded Compound
16.30 – 16.50	Dr. Alexey Bilyachenko , Nesmeyanov Institute of Organoelement
	Compounds
	Heteroligand metallacomplexes based on sesquioxane units.
	Synthesis, structure and properties
16.50 – 17.10	Prof. Ivan Grishin , Lobahevsky State University
	Ruthenium (II) carborane clusters with chelate ligands: synthesis,
	structure and applications
17.10 – 17.30	Coffee Break
	Session 6 (17.30 – 19.50)
	Chairman Prof. Anna Trzeciak
	Prof. Kaushik Ghosh , Indian Institute of Technology Roorkee
17.30 – 18.00	Chemistry of nitric oxide (NO) with ruthenium organometallics:
	Photolability of coordinated NO for target specific delivery
	Prof. Sergey Konchenko , Nikolaev Institute of Inorganic Chemistry
18.00 – 18.30	Coordination Chemistry of Functionalized Benzothiadiazoles and
	Their Analogues
	Prof. Vladimir Bregadze , Nesmeyanov Institute of
18.30 – 19.00	Organoelement Compounds
10.50 15.00	Recent Advances in the Chemistry of Cobalt and Iron
	Bis(dicarbollides)
19.10 – 19.30	Prof. Dmitrii Bolotin , Saint Petersburg State University
	Novel metal-mediated o-functionalization of oximes
19.30 – 19.50	Dr. Eugenii Gutsul , Nesmeyanov Institute of Organoelement
	Compounds
	Synthesis, structural properties and reactivity of ruthenocene-
	based pincer Pd(II) tetrahydroborate
20.00	DINNER

Wednesday, September 18th

8.00	BREAKFAST
Session 7 (9.00 – 11.00)	
Chairman Prof. Karol Grela	
9.00 – 9.30	Prof. Igor Fedushkin, Razuvaev Institute of Organometallic
	Chemistry
	The Periodic Table: Back to Mendeleev Version
	Prof. Liang Deng , Shanghai Institute of Organic Chemistry
9.30 - 10.00	Low-Coordinate Zero-Valent 3D Metal Complexes with NHC and
	Alkene Ligation
	Prof. Tatiana V. Magdesieva, Lomonosov Moscow State
10.00 – 10.30	University
10.00 – 10.30	New reagents for Cu-assisted reductive amination of arylboronic
	acids
	Prof. Sergey Yu. Ketkov , Razuvaev Institute of Organometallic
10.30 – 11.00	Chemistry
10.30 11.00	Probing Molecular Orbitals of Sandwich Compounds by DFT-
	Supported Laser Spectroscopy
11.00 – 11.15	Coffee Break
	Session 8 (11.15 – 12.55)
	Chairman Prof. Sergey Ketkov
	Prof. Chengjian Zhu, Nanjing University
11.15 – 11.45	Metal Complexes and Photoredox Catalyzed Inert Bond
	Functionalization
	Dr. Evgueni Kirillov, University of Rennes
11.45 – 12.15	Modern Metallocene Catalysts for Stereoselective Polymerization
	of Olefins
12.15 – 12.35	Dr. Sergey Adonin , Nikolaev Institute of Inorganic Chemistry
	Halogen-rich complexes of 15 and 16 group elements
12.35 – 12.55	Dr. Kseniya Maryunina , International Tomography Center SB RAS
	Re(I)-nitroxide spin-labeled fortepiano stool
13.00	LUNCH
14.00 – 19.00	Stop in Goritsy
19.00 – 20.00	Round table
20.00	DINNER
21.00 – 22.00	Posters Session

Thursday, September 19th

8.00	BREAKFAST	
Session 9 (9.00 – 11.10)		
	Chairman Prof. Kaushik Ghosh	
9.00 – 9.30	Prof. Maxim N. Sokolov , Nikolaev Institute of Inorganic Chemistry	
	Out of Shadow: New Aspects of Chemistry of Cluster Iodides of	
	Group 5-7 Transition Metals	
	Dr. Marina Katkova , Razuvaev Institute of Organometallic	
9.30 – 9.50	Chemistry	
	Current advances and future perspectives in rational design of	
	new aqua metallamacrocyclic 15-mc-5 complexes	
0.50 40.40	Prof. Alexandr Shestakov , Institute of Problems of Chemical Physics	
9.50 – 10.10	Theoretical study of C – H bond activation by metal complexes with macrocyclic ligands in a reduced state	
	Dr. Oleg Levitskiy, Lomonosov Moscow State University	
10.10 10.20	Noncovalent interactions in the 3d structure of metal complexes:	
10.10 – 10.30	an inluence on the stereoselectivity of the reactions and stability	
	of the redox forms	
10.30 – 10.50	Dr. Pavel Petrov , Nikolaev Institute of Inorganic Chemistry	
	Homo- and heteroleptic catecholates of tantalum	
	Dr. Larisa Klapshina , Razuvaev Institute of Organometallic Chemistry	
10.50 - 11.10	Novel series of cyano-aryl porphyrazines for specifically	
	personalized medicine: pdt treating and optical sensing of	
	intracellular viscosity	
11.10 – 11.25	Coffee Break	
	Session 10 (11.25 – 12.55)	
	Chairman Prof. Maxim Sokolov	
11.25 – 11.55	Prof. Alexander Kirillov , <i>University of Lisbon</i> Metal-Organic Architectures for Catalysis & (Bio)Materials	
	Dr. Natalia Artiukhova , International Tomography Center SB RAS	
11.55 – 12.15	Spin transition characteristics of molecular solvates of Cu(II)	
	complexes with nitroxides	
12.15 – 12.35	Dr. Yury Belousov, Lomonosov Moscow State University	
	Mixed metal lanthanide triazoledicarboxylates for luminescent	
	sensing	
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12.35 – 12.55	Dr. Alexander Morozov , Razuvaev Institute of Organometallic
	Chemistry
	Titanium and aluminium complexes with dpp-BIAN in ROP of
	cyclic esters
13.00	LUNCH
Session 11 (14.00 – 15.20)	
Chairman Prof. Karl Kirchner	
14.00 – 14.20	Prof. Yulia Nelyubina, Nesmeyanov Institute of Organoelement
	Compounds
	Towards molecular design of spin-crossover complexes based on
	2,6-di(pyrazole-3-yl)pyridines
14.20 – 14.40	Prof. Ilya Taydakov , P.N. Lebedev Physical Institute of RAS
	Lanthanide tris- and tetrakis complexes with substituted 4-acyl-
	pyrazol-5-ones – synthesis, structure and luminescent properties
14.40 – 15.00	Prof. Valentin Novikov, Nesmeyanov Institute of Organoelement
	Compounds
	Trigonal prismatic complexes for molecular spintronics
15.00 – 15.20	Dr. Yuliya Panova, Razuvaev Institute of Organometallic
	Chemistry
	Azaphosphole or stabilized phosphinidene – there is a question:
	the nature of p $(\sigma^2 \lambda^3 \leftrightarrow \sigma^2 \lambda^1)$ in diazadiphosphapentalenes
16.00 – 19.00	Stop in Uglich
20.00	DINNER

Friday, September 20th

8.00	BREAKFAST	
Russian-Chinese Workshop on Coordination and Supramolecular Chemistry		
	Session 12 (9.00 – 11.00)	
	Chairman Prof. Cheng-Yong Su	
9.00 – 9.30	Prof. Guo-Xin Jin , Fudan University	
	Organometallic Macrocycles, Cages and Their Application	
	Prof. Vladimir P. Fedin , Nikolaev Institute of Inorganic Chemistry	
9.30 – 10.00	Porous Coordination Polymers: Deliberate Synthesis, Structure	
	and Functional Properties	
	Prof. Chunying Duan , Dalian University of Technology	
10.00 – 10.30	Confined Electron Transfer for Supramolecular Catalysis within	
	Metal-Organic Architectures	
10.30 – 11.00	Prof. Igor S. Antipin , Kazan Federal University	
	Thiacalix[4]arenes derivatives: a scaffold for supramolecular	
	systems design	
11.00 – 11.15	Coffee Break	
	Session 13 (11.15 – 13.00)	
	Chairman Prof. Vladimir Fedin	
	Prof. Cheng-Yong Su , Sun Yat-Sen University	
11.15 – 11.45	Coordination assembly of metal-organic materials (MOMs) for	
	catalysis	
	Prof. Yong Cui , Shanghai Jiao Tong University	
11.45 – 12.15	Design of Chiral Metal-Organic Frameworks for Heterogeneous	
	Asymmetric Catalysis	
12.15 – 12.40	Prof. Sergey Z. Vatsadze , Lomonosov Moscow State University	
	Bispidines: How Spatial Pre-Organization Helps in Biomedical,	
	Analytical and Catalytic Applications	
12.40 – 13.00	Dr. Dmitry M. Lyubov , Razuvaev Institute of Organometallic	
	Chemistry	
	Alkyl complexes of Ln(II) and Ca – universal catalysts for	
	intermolecular C–E (E = C, N, Si, P, S) bond formation	
13.00	LUNCH	
	Session 14 (14.00 – 15.50)	
Chairman Prof. Guo-Xin Jin		
14.00 – 14.30	Prof. Biao Wu, Northwest University	
	Anion-Coordination-Driven Assembly	
14.30 – 15.00	Prof. Qing-Fu Sun , Fujian Institute of Research on the Structure of	
	Matter	
	Lanthanide-Organic Assemblies: New Arena for Supramolecular	
	Chemistry	

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15.00 – 15.25	Prof. Yulia G. Gorbunova , Frumkin Institute of Physical Chemistry
	and Electrochemistry
	Novel photosensitizers with tunable properties based on
	tetrapyrrolic compounds
15.25 – 15.50	Prof. Alexander A. Trifonov , Nesmeyanov Institute of
	Organoelement Compounds
	Rare- and alkaline earth metal complexes for catalytic C-C and C-
	E bond formation: new achievements and perspectives
15.50 – 16.00	Coffee Break
	Session 15 (16.00 – 17.30)
	Chairman Prof. Alexander Trifonov
16.00 – 16.25	Prof. Hao Li , Zhejiang University
	Dynamic Covalent Chemistry in Water
16.25 – 16.50	Prof. Wei Jiang , Southern University of Science and Technology
	Biomimetic Molecular Recognition in Water
16.50 – 17.10	Dr. Svetlana E. Solovieva, Arbuzov Institute of Organic and
	Physical Chemistry
	Design (Thia)Calix[4]Arene Based New Coordination Compounds
17.10 – 17.30	Dr. Vladimir A. Dodonov, Razuvaev Institute of Organometallic
	Chemistry
	Activation heterocumulenes by redox-active complexes of XIII
	group metals
17.30 – 20.00	Stop in Pleos
20.00	CONFERENCE DINNER

Saturday, September 21th

8.00	BREAKFAST
	Young Scientist Session 16 (9.00 – 12.15)
Chairman Dr. Dmitry Lyubov	
9.00 – 9.15	Dmitry Khristolyubov, Razuvaev Institute of Organometallic
	Chemistry
0.00	Alkyl complexes of alkaline and rare-earth metals with tridental
	diphenylmethanido ligand
0.45 0.30	Ekaterina Tiukacheva, Kurnakov Institute of General and
9.15 – 9.30	Inorganic Chemistry
	Coordination compounds of lanthanides with Schiff base ligand
	Dr. Dmitriy Yambulatov , Kurnakov Institute of General and
9.30 – 9.45	Inorganic Chemistry Iron(II) complexes with various N,P-donor ligands: synthesis,
	structure, magnetic properties
9.45 – 10.00	Aleksandr Chistyakov, Kurnakov Institute of General and
	Inorganic Chemistry
	Synthesis and structure of substituted zinc(II) and manganese(II)
	malonates with photosensitive and photoinert N-donor ligands
10.00 - 10.15	Sergey Norkov, Razuvaev Institute of Organometallic Chemistry
	Synthesis of new bifunctional o-quinones. Semiquinone
	complexes with Fe, Co, Ni
10.15 – 10.30	Dr. Kira Pashanova , Razuvaev Institute of Organometallic
	Chemistry
	Cobalt complexes bearing functionalized o-aminophenols:
	peculiarities of synthetic routes, molecular and electronic
10.20 10.45	structures
10.30 – 10.45	Zufar Gafurov , Arbuzov Institute of Organic and Physical
	Chemistry Pincer type nickel (II) complexes: synthesis and catalytic activity
10.45 – 11.00	Stanislav Melnikov, Kurnakov Institute of General and Inorganic
10.45 - 11.00	Chemistry
	Synthesis, structure and photoluminescent properties of
	heterometallic coordination compounds {Zn ₂ Ln}
11.00 – 11.15	Ekaterina Pylova, Nikolaev Institute of Inorganic Chemistry
	4-Amino-2,1,3-benzothiadiazole derivatives: synthesis, structure
	and luminescent properties
11.15-11.30	Vladimir Kharitonov, Nesmeyanov Institute of Organoelement
	Compounds
	Fluorene complexes of 9 group metals: synthesis and catalytic
	application

11.30-11.45	Dmitriy Sinitsa, Nikolaev Institute of Inorganic Chemistry
	Synthesis and reduction properties of lanthanide complexes (Ho,
	Dy) with bulky o-iminobenzoquinone ligand
11.45 – 12.00	Olga Mironova, Novosibirsk State University
	Application of salt metathesis reactions in synthesis of lanthanide
	arylthiolate and chalcogenide complexes supported by β-
	diketiminate ligand
12.00 – 12.15	Aliia Shamsieva, Arbuzov Institute of Organic and Physical
	Chemistry
	Luminescent binuclear copper (I) complexes bearing three
	bridged pyridylphospholane ligands
12.30 – 13.00	Closing Ceremony
13.00	LUNCH
15.00 – 17.00	Arrival to Nizhny Novgorod

Poster Session program

(Wednesday, September 18th)

- *P1.* **M. Arsenov.** Synthesis of polycyclic aromatic hydrocarbons via C–H activation for photoactive materials.
- *P2.* **M. Arsenyev.** Synthesis of new sterically hindered catechols and o-quinones via o-quinonemethides.
- *P3.* **R. Aysin**. Aromaticity suppression by intermolecular coordination. Optical spectra and electronic structure of carbene analogs with amidophenolate ligand.
- *P4.* **R. Aysin**. Blue digermene $(tBu_2MeSi)_2Ge=Ge(SiMetBu_2)_2$: Its electronic structure and conformational isomerism.
- *P5.* **T. Balashova.** Heteroligand ytterbium-erbium complexes as potential upconversion materials.
- *P6.* **K. Baranova**. Group 11 metal pyrazolates complexes with bidentate phosphoruscontaining ligands.
- *P7.* **S. Baryshnikova**. Transition metal complexes based on ferrocenyl-containing o-iminophenols: synthesis, structure and electrochemical properties.
- *P8.* **A. Zolotukhin**, Cobalt(II, III) complexes based on ferrocenyl-containing oiminophenols.
- *P9.* **N. Protasenko**. Transition metal complexes based on ferrocenyl-containing Schiff bases.
- *P10.* **N. Bazyakina**. Complexes of group 13 metals with sterically-hindered acenaphthene-1,2-diimine ligand.
- P11. Yu. Begantsova. Synthesis, structures and spectroscopic studies of new Schiff-base complexes of zinc and cobalt(II).
- *P12.* **M. Chegerev**. Magnetic bistability of octahedral iron and cobalt complexes bearing substituted catecholate ligands.
- P13. I. Dayanova. Cu(I) and Au(I) complexes of 1,5-diaza-diphosphacyclo-octanes containing 2-ethyl(thiophen-2'-yl) substituents at phosphorus atoms.
- *P14.* **A. Demkin**. Use of the "reductive approach" for the synthesis of chalcogenide and pyrazinide complexes of lanthanides.
- P15. V. Dodonov. Transformations induced by Ga- and Al- redox species.
- P16. I. Ershova. The nickel(II) derivatives bearing functionalized o-aminophenol.
- *P17.* **I. Ershova**. Manganese(III) bis-o-iminobenzosemiquinonates with various substituents in N-aryl fragment of redox-active ligand.
- *P18.* **A. Fagin**. Neodymium–ytterbium and neodymium-europium nitride-sulfide clusters: synthesis and structure.

- *P19.* **A. Fayoumi**. Pincer ligands based on substituted diphenylmethanes $CH_2[C_6H_3-4-tBu-2-R]_2$ (R = $-PPh_2$, $-P(O)Ph_2$, $-P(S)Ph_2$): synthesis and reactivity toward alkali metal alkyls.
- P20. S. Fokin. New Pd-organic complex with nitroxide
- *P21.* **I. Fomina**. Controllable self-assembly of iron containing nanodiamonds novel hybrid nanomaterials.
- *P22.* **I. Fomina**. Binuclear gadolinium(III) carboxylates with heterocyclic N-donors: synthesis, magnetic and luminescent properties, and EPR studies.
- *P23.* **E. Gulyaeva**. Effect of ligands on the interaction between pincer iridium hydrides and Lewis bases.
- *P24.* **G. Gurina**. Scandium alkyl complexes supported by azomethine-derived tridentate ligands.
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