

<b>MONDAY, 28 SEPTEMBER</b>	<b>TIME</b>
<b>Conference Opening</b> (INEOS RAS, conference hall)	10 <sup>00</sup> – 12 <sup>00</sup>
<b>Lunch</b>	12 <sup>30</sup> – 13 <sup>40</sup>
<b>Opening of Workshop "Organometallics in Catalysis, Environment and Life Sciences"</b> (Presidium of RAS, beige hall)	13 <sup>40</sup> – 14 <sup>00</sup>
<b>Session 1B</b> (beige hall)	
<i>Chairperson – R. Poli</i>	
PL <b><u>I. P. Beletskaya</u></b> New Trends in Transition Metal Catalyzed Reactions	14 <sup>00</sup> – 14 <sup>40</sup>
IL <b><u>P. H. Dixneuf</u>, M. Zhang, C. Vovard, S. Derien, S. Osipov</b> Ruthenium-Carbenes for C—C Bond Formation: Catalysis and Heterocycles	14 <sup>40</sup> – 15 <sup>10</sup>
IL <b><u>C. Bianchini</u>, <u>G. Giambastiani</u>, L. Luconi, A. Rossin, A. Meli</b> Imino- and Amino-Pyridyl-Based Catalysts for the Efficient Olefin Upgrading; Spanning from d- to f-Block Metal Complexes	15 <sup>10</sup> – 15 <sup>40</sup>
OP <b><u>A. Rossin</u>, M. Erlandsson, L. Gonsalvi, A. Guerriero, M. Peruzzini, G. Reginato, C. Tiozzo</b> The Quest for Advanced Tailoring of Water Soluble Phosphines. Upper Rim Functionalisation of PTA and Applications in Catalytic Hydrogenation Reactions	15 <sup>40</sup> – 16 <sup>00</sup>
OP <b><u>M. Rodriguez-Zubiri</u>, P. Dub, R. Poli, J. J. Brunet</b> Halide-Activated Intermolecular Hydroamination of Non Activated Olefins	16 <sup>00</sup> – 16 <sup>20</sup>
<b>Coffee break</b>	16 <sup>20</sup> – 16 <sup>50</sup>
<b>Session 2B</b> (beige hall)	
<i>Chairperson – I. P. Beletskaya</i>	
PL <b><u>D. W. Stephan</u></b> Frustrated Lewis Pairs: A New Paradigm for the Activation of Small Molecules and Catalysis	16 <sup>50</sup> – 17 <sup>30</sup>
IL <b><u>Yu. A. Ustynyuk</u>, E. E. Nifant'ev, Yu. V. Babin, O. N. Temkin, V. R. Flid</b> Hydrophosphoryl Compounds – Novel Type of Donor Ligands in Homogeneous Metallocomplex Catalysis	17 <sup>30</sup> – 18 <sup>00</sup>
IL <b><u>W. Buchowicz</u>, <u>A. Pietrzykowski</u></b> Progress in Synthesis of Nickelocenes via Olefin Metathesis in the Metal Coordination Sphere	18 <sup>00</sup> – 18 <sup>30</sup>
OP <b><u>J. Hannedouche</u>, I. Aillaud, J. Collin, E. Schulz, A. Trifonov</b> New Chiral Rare Earth Catalysts for Asymmetric Intramolecular Hydroamination	18 <sup>30</sup> – 18 <sup>50</sup>

<b>TUESDAY, 29 SEPTEMBER</b>	<b>TIME</b>
<b>Session 3B</b> (beige hall)	
<i>Chairperson – D. W. Stephan</i>	
PL <b><u>Yu. N. Belokon</u></b> Binuclear Lewis Acids in Asymmetric Catalysis. Success and Unexpected Problems	9 <sup>00</sup> – 9 <sup>40</sup>
IL <b><u>R. Poli</u>, <u>R. Malacea</u>, <u>S. Vincendeau</u>, <u>E. Manoury</u>, <u>J. M. Hayes</u>, <u>G. Ujaque</u>, <u>A. Lledós</u></b> Asymmetric Hydrogenation of Prochiral Ketones with Iridium and Planar Chiral Bifunctional Ferrocenyl Phosphines	9 <sup>40</sup> – 10 <sup>10</sup>
IL <b><u>E. Schulz</u>, <u>A. Zulauf</u>, <u>M. Mellah</u></b> New Methods for Efficient Reuse of Asymmetric Catalysts	10 <sup>10</sup> – 10 <sup>40</sup>
IL <b><u>A. A. Trifonov</u></b> Reactions of Ytterbocenes with Redox-Active Diimines, TCNQ and TCNB: Fairly Rich Chemistry and Promising Way to Novel Materials	10 <sup>40</sup> – 11 <sup>10</sup>
<b>Coffee break</b>	11 <sup>20</sup> – 11 <sup>50</sup>
<b>Session 4B</b> (beige hall)	
<i>Chairperson – F. Lamaty</i>	
IL <b><u>V. K. Jain</u></b> Molecular Precursors for the Synthesis of Uniformly Sized Metal Chalcogenide Nanoparticles	11 <sup>50</sup> – 12 <sup>20</sup>
IL <b><u>N. V. Belkova</u>, <u>O. A. Filippov</u>, <u>L. M. Epstein</u>, <u>E. S. Shubina</u></b> Primary Role of Secondary Interactions in Transition Metal Hydrides Protonation Pattern	12 <sup>20</sup> – 12 <sup>50</sup>
PL <b><u>M. Basallote</u></b> The Rich Mechanistic Chemistry of Proton Transfer to Hydride Complexes: the Case of Hydride Clusters	12 <sup>50</sup> – 13 <sup>30</sup>
<b>Lunch</b>	13 <sup>30</sup> – 15 <sup>00</sup>
<b>Session 5B</b> (beige hall)	
<i>Chairperson – V. I. Bregadze</i>	
PL <b><u>A. Lledós</u>, <u>S. Montserrat</u>, <u>G. Kovács</u>, <u>G. Ujaque</u></b> Reaction Mechanisms of Gold-Catalyzed Organic Transformations	15 <sup>00</sup> – 15 <sup>40</sup>
OP <b><u>O. A. Filippov</u>, <u>L. V. Epstein</u>, <u>E. S. Shubina</u></b> New Insight on Intermolecular Interactions of Main Group Hydrides	15 <sup>40</sup> – 16 <sup>00</sup>
IL <b><u>D. H. Wu</u>, <u>H. Yan</u></b> Mixed-valent Diruthenium Half-Sandwich Complexes Containing Two Chelating <i>ortho</i> -Carborane 1,2-Dithiolato Ligands: Reactivity towards Alkynes	16 <sup>00</sup> – 16 <sup>30</sup>
OP <b><u>A. A. Vasil'ev</u>, <u>A. S. Burukin</u>, <u>I. V. Kuchurov</u>, <u>S. G. Zlotin</u></b> Palladium-Catalyzed Arylation and Amination of Polychloroarenes	16 <sup>30</sup> – 16 <sup>50</sup>
<b>Coffee break</b>	16 <sup>50</sup> – 17 <sup>20</sup>
<b>Session 6B</b> (beige hall)	
<i>Chairperson – A. Lledos</i>	
IL <b><u>Y. Zhu</u>, <u>S. Gatard</u>, <u>C. M. Fafard</u>, <u>S. D. Timpa</u>, <u>P. Surawatanawong</u>, <u>C.-H. Chen</u>, <u>B. M. Foxman</u>, <u>O. V. Ozerov</u></b> Oxidative Addition Reactions at Pincer-Supported Rh(I) and Ir(I) centers	17 <sup>20</sup> – 17 <sup>50</sup>
OP <b><u>D. A. Valyaev</u>, <u>N. Lugan</u>, <u>G. Lavigne</u>, <u>N. A. Ustynyuk</u></b> Synthetic applications of $\eta^1$ -phosphinocarbene complexes	17 <sup>50</sup> – 18 <sup>10</sup>
OP <b><u>N. Yu. Kuznetsov</u>, <u>Yu. N. Bubnov</u></b> Combination of Diallylboration and Intramolecular RCM in Synthesis of Bi- and Polycyclic Heterocycles	18 <sup>10</sup> – 18 <sup>30</sup>

<b>WEDNESDAY, 30 SEPTEMBER</b>	<b>TIME</b>
<b>Session 7B</b> (beige hall)	
<i>Chairperson – P. H. Dixneuf</i>	
PL <b><u>M. Suginome</u></b> New Catalytic Accesses to Functionalized Organoboronic Acids for Organic Synthesis	9 <sup>00</sup> – 9 <sup>40</sup>
IL <b><u>V. P. Ananikov</u></b> Unusual Catalytic Properties of Ni and Pd Complexes in Carbon-Heteroatom and Carbon-Carbon Bond Formation	9 <sup>40</sup> – 10 <sup>10</sup>
OP <b><u>S. Pasynkiewicz</u>, A. Pietrzykowski, A. Koziol</b> New Method of Carbenes Formation from Nickelocene. Carbenes Reactions and Polymerization	10 <sup>10</sup> – 10 <sup>30</sup>
OP <b><u>D. N. Zarubin</u>, A. A. Znizhin, P. A. Zhizhko, A. N. Volov, N. A. Ustynyuk</b> Transition Metal-Mediated Heterometathesis Reactions of Sulfinylamines	10 <sup>30</sup> – 10 <sup>50</sup>
<b>Coffee break</b>	10 <sup>50</sup> – 11 <sup>20</sup>
<b>Session 8B</b> (beige hall)	
<i>Chairperson – V. P. Ananikov</i>	
IL <b><u>S. Varray</u>, P. Ribière, V. Declerck, L. Daïch, L. Villebrun, E. Colacino, J. Martinez, F. Lamaty</b> PEG as Polymeric Support of Organic and Metallic Molecules	11 <sup>20</sup> – 11 <sup>50</sup>
IL <b><u>H. Kozłowski</u>, L. Szyrwił, E. Gralka, M. Taraszkiewicz</b> Biological Inorganic Chemistry of Prion Proteins, From Mammals To Fishes	11 <sup>50</sup> – 12 <sup>20</sup>
IL <b><u>V. I. Bregadze</u>, A. A. Semioshkin, I. B. Sivaev</b> Conjugates of Polyhedral Boron Compounds for Neutron Capture Therapy	12 <sup>20</sup> – 12 <sup>50</sup>
OP <b><u>M. Helou</u>, O. Miserque, J.-M. Brusson, J.-F. Carpentier, S. M. Guillaume</b> Zinc and Other Biometals Mediated Immortal Ring-Opening Polymerization of Trimethylene Carbonate as a Green Process	12 <sup>50</sup> – 13 <sup>10</sup>
OP <b><u>S. N. Osipov</u></b> Combination of Metal-Catalyzed Rearrangement of CF <sub>3</sub> -Carbenes with Carbocyclization: New Pathway to Fuctionalized Heterocycles	13 <sup>10</sup> – 13 <sup>30</sup>
<b>Lunch</b>	13 <sup>30</sup> – 15 <sup>00</sup>
<b>Session 9B</b> (beige hall)	
<i>Chairperson – S. Pasynkiewicz</i>	
PL <b><u>W. Baratta</u>, C. Barbato, G. Chelucci, E. Herdtweck, S. Magnolia, K. Siega, P. Rigo</b> Highly Efficient Ruthenium and Osmium Catalysts for Asymmetric Reduction of Carbonyl Compounds	15 <sup>00</sup> – 15 <sup>40</sup>
IL <b><u>J. Collin</u>, M. Martin, S. Bezenine</b> Enantioselective Carbon-Nitrogen Bond Formation Catalyzed by Samarium Iodo Binaphtholate	15 <sup>40</sup> – 16 <sup>10</sup>
IL <b><u>C. Bruneau</u></b> Ruthenium Catalysts Design for Selective Nucleophilic Allylic Substitution	16 <sup>10</sup> – 16 <sup>40</sup>
IL <b><u>D. P. Krut'ko</u>, <u>D. A. Lemenovskii</u></b> Complexes of Zr and Ti based on Side-Chain Functionalized Cyclopentadienyl Ligands	16 <sup>40</sup> – 17 <sup>10</sup>

<b>THURSDAY, 1 OCTOBER</b>	<b>TIME</b>
<b>Session of Younger researcher presentations (red hall)</b>	
<i>Chairperson – M. Yu. Antipin</i>	
<b>L. M. Abdrakhmanova, V. F. Mironov, M. N. Dimukhametov, T. A. Baronova</b> Cascade reactions of the substituted oxoalkyl- and aminoalkylphosphites with unsaturated activated compounds	$9^{00} - 9^{15}$
<b>D. V. Aleksanyan, V. A. Kozlov, Yu. V. Nelyubina, K. A. Lyssenko, P. V. Petrovskii, A. A. Vasil'ev, I. L. Odinets</b> Unsymmetrical palladium pincer complexes with organothiophosphorus ligands	$9^{15} - 9^{30}$
<b>O. S. Serkova, T. V. Guzeeva, V. V. Kopteva, V. I. Maslennikova, E. E. Nifant'ev</b> Ortho-substituted phosphoresorcinarenes. synthesis, structure, properties	$9^{30} - 9^{45}$
<b>D. A. Tatarinov, V. F. Mironov, E. N. Varaksina</b> A versatile approach to the synthesis of hydroxyalkenylphosphine oxides	$9^{45} - 10^{00}$
<b>N. R. Khasiyatullina, A. V. Bogdanov, V. F. Mironov, A. D. Voloshina, V. V. Zobov</b> Some features of the reactions of 1,2-naphthoquinones with tertiary phosphines	$10^{00} - 10^{15}$
<b>O. V. Vjunskovskaya, M. A. Malenkovskaya, D. A. Predvoditelev, E. E. Nifant'ev</b> Frame bicyclopophosphate of tripentaerythritol	$10^{15} - 10^{30}$
<b>A. V. Salin, A. A. Khabibullin, Yu. V. Bakhtiyarova, V. I. Galkin</b> Kinetics and mechanism of unsaturated acids and esters phosphorylation by triphenylphosphine in acetous media	$10^{30} - 10^{45}$
<b>V. V. Novikov, A. Yu. Lebedev, A. S. Belov, Ya. Z. Voloshin</b> Hyperfine shifts in NMR spectra of macrobicyclic tris-dioximate complexes with encapsulated cobalt(II) ion: a new class of paramagnetic tags	$10^{45} - 11^{00}$
<b>Coffee Break, Poster Session</b>	$11^{00} - 12^{00}$
<i>Chairperson – A. A. Trifonov</i>	
<b>A. O. Borissova, M. Yu. Antipin, K. A. Lyssenko</b> The investigation of charge density distribution in organometallic complexes via high-resolution XRD	$12^{00} - 12^{15}$
<b>P. A. Dub, O. A. Filippov, N. V. Belkova, M. Rodriguez-Zubiri, R. Poli</b> Experimental (IR, Raman) and computational analysis of a series of PtBr <sub>2</sub> derivatives: vibrational coupling in the coordinated ethylene and Pt-Br modes	$12^{15} - 12^{30}$
<b>D. S. Perekalin, E. E. Karslyan, A. R. Kudinov</b> New method for synthesis of cyclopentadienyl ruthenium complexes based on substitution of the naphthalene ligand	$12^{30} - 12^{45}$
<b>A. V. Polezhaev, A. M. Sheloumov, P. V. Petrovskii, A. A. Koridze</b> Interactions of P,C,P pincer complexes of rhodium and ruthenium with small molecules	$12^{45} - 13^{00}$
<b>V. M. Uvarov, D. A. de Vekki, N. K. Skvortsov</b> Catalytic hydrosilylation of ketones in the presence of metal complexes with chiral ligands	$13^{00} - 13^{15}$
<b>V. N. Tsupreva, O. A. Filippov, M. G. Kuznetsova, A. V. Kisin, V. I. Bregadze, E. S. Shubina</b> Peculiarities of proton transfer to dimethylaminoborane via hydrogen bonded complexes	$13^{15} - 13^{30}$
<b>Lunch</b>	$13^{30} - 15^{00}$

<i>Chairperson – D. A. Lemenovskii</i>	<b>TIME</b>
<b><u>Yu. V. Nelyubina</u>, K. A. Lyssenko, M. Yu. Antipin</b> Investigations of the nature and the energetics of the anion-anion interactions in solids	15 <sup>00</sup> – 15 <sup>15</sup>
<b><u>A. V. Bogdanov</u>, L. I. Musin, V. F. Mironov, D. B. Krivolapov, I. A. Litvinov</b> Synthesis and crystal structure of a novel n,n'-dialkyl derivatives of isoindigo	15 <sup>15</sup> – 15 <sup>30</sup>
<b><u>L. S. Alekseyev</u>, F. M. Dolgushin, I. A. Godovikov, A. A. Korlyukov, S. E. Lyubimov, V. A. Davankov, I. T. Chizhevsky</b> Electronically deficient ( $\eta^3$ -cyclooctenyl)metallacarboranes: synthesis, stabilization pathway, application in asymmetric catalysis	15 <sup>30</sup> – 15 <sup>45</sup>
<b><u>D. A. Loginov</u>, M. M. Vinogradov, A. R. Kudinov</b> Cationic metallacarborane fragments and their synthetic application	15 <sup>45</sup> – 16 <sup>00</sup>
<b><u>A. A. Tyutyunov</u>, S. E. Lyubimov, E. G. Rys, V. A. Davankov, V. N. Kalinin</b> Carborane derivatives with organophosphorus moieties for metal complex catalysis	16 <sup>00</sup> – 16 <sup>15</sup>
<b><u>Yu. I. Bolgova</u>, O. M. Trofimova, A. I. Albanov, T. N. Aksamentova, N. N. Chipanina, M. G. Voronkov</b> The synthesis and stereoelectronic structure of organosilicon derivatives of cyclic imides	16 <sup>15</sup> – 16 <sup>30</sup>
<b><u>N. N. Buravtsev</u>, Yu. A. Kolbanovsky</b> Kinetics and mechanism of trifluoroethylene thermal conversion	16 <sup>30</sup> – 16 <sup>40</sup>
<b><u>M. A. Katkova</u>, V. A. Ilichev, A. N. Konev, M. N. Bochkarev</b> Metal-organic complexes of scandium as materials for organic light-emitting diodes	16 <sup>40</sup> – 17 <sup>00</sup>
<b><u>V. P. Vasiliev</u>, G. V. Loukova, V. A. Smirnov</b> Spectral luminescent methods in study of coordinative interactions of $d^0$ zirconocene with organic compounds in solution	17 <sup>00</sup> – 17 <sup>15</sup>
<b>Coffee Break, Poster Session</b>	17 <sup>15</sup> – 19 <sup>00</sup>
<b>GDRE round table (beige hall)</b>	16 <sup>00</sup> – 17 <sup>00</sup>