

<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>Session 1A</b> (Presidium RAS, Red hall)	
<i>Chairperson – Yu.N .Bubnov</i>	
<b><u>M.P. Egorov, O.M. Nefedov</u></b> Reactivity and reaction mechanisms of carbenes and their analogues	14 <sup>00</sup> – 14 <sup>40</sup>
<b><u>N.A. Ustynyuk</u></b> Redox activation of transition metal $\pi$ - and $\sigma,\pi$ -complexes	14 <sup>40</sup> – 15 <sup>10</sup>
<b><u>I.T. Chizhevsky</u></b> Fluxional metallocarboranes: structural and synthetic aspects, dynamic behaviour in solution	15 <sup>10</sup> – 15 <sup>40</sup>
<b><u>D.V. Muratov, A.S. Romanov, A.R. Kudinov</u></b> Triple-decker complexes with bridging diborolyl ligand	15 <sup>40</sup> – 16 <sup>00</sup>
<b><u>Yu.A. Belousov, T.A. Belousova, Yu.A. Borisov, Yu.S. Nekrasov</u></b> Reactions of ferricenium salts with Lewis bases	16 <sup>00</sup> – 16 <sup>20</sup>
<b>Coffee break</b>	16 <sup>20</sup> – 16 <sup>50</sup>
<b>Session 2A</b>	
<i>Chairperson – M.P. Egorov</i>	
<b><u>G A Abakumov</u></b> Spin labels in coordination chemistry	16 <sup>50</sup> – 17 <sup>30</sup>
<b><u>A.A. Pasynskii, S.S. Shapovalov, Yu.V.Torubaev</u></b> Organometallic clusters with shortened M-Sn and M-Te bonds	17 <sup>30</sup> – 18 <sup>00</sup>
<b><u>V.V. Burlakov, U. Rosenthal</u></b> Five-membered metallacyclocumulenes. synthesis, structure and reactivity	18 <sup>00</sup> – 18 <sup>20</sup>
<b><u>D.M. Roitershtein, A.A. Vinogradov, A.A. Vinogradov, K.A. Lyssenko, Yu.V. Neliubina, M.Yu.Antipin</u></b> An efficient synthetic route to the rare-earth mono- and dicarboxylates	18 <sup>20</sup> – 18 <sup>40</sup>
<b><u>S.Yu. Erdyakov, S.V. Stefanyuk, A.V. Ignatenko, T.V. Potapova, M.E. Gurskii, Yu.N. Bubnov</u></b> Design of bicyclic and cage boron compounds based on allylboration of acetylenes with allyldichloroboranes	18 <sup>40</sup> – 19 <sup>00</sup>
<b><u>Yu.A.Kolbanovsky, N.N.Buravtsev</u></b> Kinetics and mechanism of fluoroethylenes thermal conversion	19 <sup>00</sup> – 19 <sup>20</sup>

<b>TUESDAY, 29 SEPTEMBER</b>	<b>TIME</b>
<b>Session 3A</b>	
<i>Chairperson – A.D. Dil'man</i>	
<b><u>A.K Yudin</u></b> Amphoteric molecules in organic synthesis	9 <sup>00</sup> – 9 <sup>40</sup>
<b><u>V.P. Krasnov, G.L. Levit, V.A. Ol'shevskaya, V.N. Kalinin, O.N. Chupakhin, V.N. Charushin</u></b> New aspects in synthesis of chiral aminocarboranes	9 <sup>40</sup> – 10 <sup>10</sup>
<b><u>P.M. Valetsky</u></b> , Yu.A. Kabachii, I.I. Ponomarev Ortho-carborane – multifunction matrix for creation of new types of monomers and polymers	10 <sup>10</sup> – 10 <sup>40</sup>
<b><u>A.B. Koldobskii, E.V. Solodova, V.N. Kalinin</u></b> Electron-accepting acetylenes – the novel reagents in organic synthesis	10 <sup>40</sup> – 11 <sup>00</sup>
<b><u>V.A. Ol'shevskaya, A.V. Zaitsev, A.N. Savchenko, R.G. Nikitina, M.A. Kaplan, D.V. Belykh, A.V. Kuchin, M.M. Moisenovich, A.A. Shtil, V.N. Kalinin</u></b> Development of novel macroheterocyclic derivatives of carboranes, the novel generation of medicinal drugs	11 <sup>00</sup> – 11 <sup>20</sup>
<b>Coffee break</b>	11 <sup>20</sup> – 11 <sup>50</sup>
<b>Session 4A</b>	
<i>Chairperson – N.A. Ustynyuk</i>	
<b><u>E.R. Milaeva, N.S. Zefirov</u></b> Bioorganometallic chemistry as a novel trend in medicinal chemistry. Goals. Tasks. Methods	11 <sup>50</sup> – 12 <sup>20</sup>
<b><u>Ya.Z. Voloshin</u></b> Organoelement compounds as synthetic blocks for the design of polynuclear and polycentered molecules and supramolecular systems of XXI century	12 <sup>20</sup> – 12 <sup>50</sup>
<b><u>L.V. Snegur, A.A. Simenel, Yu.S. Nekrasov, L.A. Ostrovskaya</u></b> Biologically active ferrocenes	12 <sup>50</sup> – 13 <sup>10</sup>
<b><u>S.Z. Vatsadze</u></b> Coordination polymeric gels – new trend in supramolecular gel chemistry	13 <sup>10</sup> – 13 <sup>30</sup>
<b>Lunch</b>	13 <sup>30</sup> – 15 <sup>00</sup>

<b>Session 5A</b>	
<i>Chairperson – Yu.I. Baukov</i>	
<b><u>A.M. Muzafarov</u></b> Development of selective approaches to the synthesis of organosilicon compounds and polymers	15 <sup>00</sup> – 15 <sup>40</sup>
<b><u>Yu.L. Yagupolskii</u>, W. Tyrra, L.M. Yagupolskii, D. Naumann</b> Perfluoroalkyl-, vinyltrimethylsilanes in organic and metalorganic compounds syntheses	15 <sup>40</sup> – 16 <sup>10</sup>
<b><u>B.G. Zavin</u>, N.V. Sergiyenko, A.N. Bilyachenko, N.V. Cherkun, A.A. Korlyukov</b> Controlled synthesis and chemical transformations of cage-like metallasiloxanes, generating heteronuclear clusters	16 <sup>10</sup> – 16 <sup>30</sup>
<b><u>G.A. Kuznetsova</u>, M.G. Voronkov</b> Direct synthesis of 1-organylsilatranes from organyltrichlorosilanes and tris(2-hydroxyethyl)amine	16 <sup>30</sup> – 16 <sup>50</sup>
<b>Coffee break</b>	
16 <sup>50</sup> – 17 <sup>20</sup>	
<b>Session 6A</b>	
<i>Chairperson – A.A. Pasynskii</i>	
<b><u>T.A. Kochina</u>, D.V. Vrazhnov, E.N. Sinotova, I.S. Ignatyev</b> Tricoordinated cations of the 14 <sup>th</sup> group elements	17 <sup>20</sup> – 17 <sup>40</sup>
<b><u>D.V. Vrazhnov</u>, M.G. Voronkov, T.A. Kochina, I.S. Ignatyev</b> Antranilium cations of the 14 group elements	17 <sup>40</sup> – 18 <sup>00</sup>
<b><u>L.A. Leites</u>, S.S. Bukalov, R.R. Aysin, G.I. Magdanurov, A.V. Zabula</b> Vibrational spectra of carbene analogs of the type R <sub>2</sub> El <sup>II</sup> (El=Ge, Sn, Pb) and their complexes	18 <sup>00</sup> – 18 <sup>20</sup>
<b><u>S.S. Bukalov</u>, L.A. Leites</b> Raman, UV and IR studies of the nature of phase transitions in polydialkylmetallanes, σ-conjugated organometallic polymers of the type [RR'El] <sub>n</sub> (El=Si, Ge, Sn)	18 <sup>20</sup> – 18 <sup>40</sup>
<b><u>E.R. Gasilova</u>, N.N. Saprykina, O.N. Zakharova, Yu.D. Semchikov</b> Architecture of hyperbranched poly(phenylene germanes)	18 <sup>40</sup> – 19 <sup>00</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	19 <sup>00</sup> – 19 <sup>20</sup>
<b><u>M.L. Gringolts</u>, M.V. Bermeshev, A.G. Kazmin, E.Sh. Finkelshtein</b> Synthesis and polymerization of new monomers – silicon containing tricyclonones	19 <sup>20</sup> – 19 <sup>40</sup>

<b>WEDNESDAY, 30 SEPTEMBER</b>	<b>TIME</b>
<b>Session 7A</b>	
<i>Chairperson – A.S. Peregudov</i>	
<b><u>V. Gevorgyan</u></b> Development of novel transition metal-catalyzed transformations	$9^{00} - 9^{40}$
<b><u>V.B. Shur, I.A. Tikhonova, K.I. Tugashov</u></b> Perfluorinated mercury anticrowns. host-guest chemistry and applications in catalysis	$9^{40} - 10^{10}$
<b><u>K.A. Kochetkov</u></b> Chemically-fermentative method of chiral polyfluorinated alcohols obtaining	$10^{10} - 10^{30}$
<b><u>G.P. Belov</u></b> Catalytic synthesis of higher $\alpha$ -olefins from ethylene. The state of the art and perspectives	$10^{30} - 10^{50}$
<b>Coffee break</b>	$10^{50} - 11^{20}$
<b>Session 8A</b>	
<i>Chairperson – R.A. Cherkasov</i>	
<b><u>I.L. Odinets, E.V. Matveeva, E.V. Sharova, O.I. Artyushin</u></b> “Greening up” of organophosphorus synthesis	$11^{20} - 11^{50}$
<b><u>Yu.G. Gololobov</u></b> Dual (C- or N-) reactivity of methyleneactive compounds and P-containing zwitter ions with respect to polynitrofluorobenzenes	$11^{50} - 12^{10}$
<b><u>A.V. Artemiev, S.F. Malysheva, N.K. Gusarova, B.A. Trofimov</u></b> Three-component reaction of secondary phosphine selenides with elemental selenium and bases: new route to the synthesis of diselenophosphinates	$12^{10} - 12^{30}$
<b><u>V.I. Ilin, E.N. Ofitserov, L.V. Kovalenko</u></b> Features of reagents and solvents regeneration & recyclesation process in synthesis of 1-hydroxy- $\omega$ -aminoalkylidene-1,1-bisphosphonic acids	$12^{30} - 12^{50}$
<b><u>V.A. Kuimov, S.F. Malysheva, N.K. Gusarova, B.G. Sukhov, Yu.V. Smetannikov, N.P. Tarasova, B.A. Trofimov</u></b> Synthesis of organic phosphines and phosphine chalcogenides from red phosphorus and its nanocomposites	$12^{50} - 13^{10}$
<b><u>E.I. Goryunov, I.B. Goryunova, T.V. Baulina, S.A. Smirnova, P.V. Petrovskii, E.I. Matrosov, K.A. Lyssenko, M.S. Grigor’ev, A.M. Safiulina, A.A. Letushov, V.P. Morgalyuk, I.G. Tananaev, E.E. Nifant’ev, B.F. Myasoedov</u></b> Synthesis, complex-forming and extraction properties of N-diphenylphosphorylureas and related compounds	$13^{10} - 13^{30}$
<b>Lunch</b>	$13^{30} - 15^{00}$

<b>Session 9A</b>	
<i>Chairperson – E.E. Nifant'ev</i>	
<p><b><u>E.S. Batyeva</u>, E.K. Badeeva, E.V. Platova, L.I. Kursheva, O.G. Sinyashin, U.P. Khodyrev</b> Green Chemistry. A new methods for the synthesis of phosphorus compounds based on the elemental phosphorus</p>	15 <sup>00</sup> – 15 <sup>20</sup>
<p><b><u>O.I. Artyushin</u>, E.V. Sharova, O.B. Mokhodoeva, G.V. Myasoedova, B.F. Myasoedov, I.L. Odinets</b> Carbamoylmethylphosphoryl compounds and ionic liquids on their base. Synthesis and application in concentration of f-elements</p>	15 <sup>20</sup> – 15 <sup>40</sup>
<p><b><u>V.I. Maslennikova</u>, L.V. Schelenkova, D.M. Polekhin, E.E. Nifantiev</b> Phosphocyclic derivatives of dinaphthalene's systems</p>	15 <sup>40</sup> – 16 <sup>00</sup>
<p><b><u>S.Yu. Ketkov</u>, H.L. Selzle</b> Modern methods of laser ionization spectroscopy for studying transition metal sandwich complexes</p>	16 <sup>00</sup> – 16 <sup>20</sup>
<p><b><u>E.A. Fushman</u>, O.N. Babkina, S.S. Lalayan, L.Yu. Ustynyuk</b> Mechanisms of ion formation in the solutions of AlR<sub>2</sub>X (x = R, OAlR<sub>2</sub>) with electron donors and their structure</p>	16 <sup>20</sup> – 16 <sup>40</sup>
<p><b><u>Yu.S. Nekrasov</u>, Yu.A. Borisov, Yu.A. Belousov, A.N. Rodionov, N.S. Ikonnikov</b> Reactivity of ferrocene derivatives under conditions of electrospray ionisation</p>	16 <sup>40</sup> – 17 <sup>00</sup>
<p><b><u>G.K. Semin</u>, V.M. Burbelo</b> Stochastic dynamics of electron-nuclear interactions and a <sup>127</sup>I NQR study of coordination crystals RHgI</p>	17 <sup>00</sup> – 17 <sup>20</sup>

<b>THURSDAY, 1 OCTOBER</b>	<b>TIME</b>
<b>Younger researcher presentations session (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. Guzeva, 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. Zbov</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</b> <b>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. R.-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>	$13^{30} - 15^{00}$

<b>Chairperson – D.A. Lemenovskii</b>	
<b><u>Yu.V. Nelyubina, K.A. Lyssenko, M.Yu. Antipin</u></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, L.I. Musin, V.F. Mironov, D.B. Krivolapov, I.A. Litvinov</u></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, F.M. Dolgushin, I.A. Godovikov, A.A. Korlyukov, S.E. Lyubimov, V.A. Davankov, I.T. Chizhevsky</u></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, M.M. Vinogradov, A.R. Kudinov</u></b> Cationic metallacarborane fragments and their synthetic application	15 <sup>45</sup> – 16 <sup>00</sup>
<b><u>A.A. Tyutyunov, S.E. Lyubimov, E.G. Rys, V.A. Davankov, V.N. Kalinin</u></b> Carborane derivatives with organophosphorus moieties for metal complex catalysis	16 <sup>00</sup> – 16 <sup>15</sup>
<b><u>Yu.I. Bolgova, O.M. Trofimova, A.I. Albanov, T.N. Aksamentova, N.N. Chipanina, M.G. Voronkov</u></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, Yu.A. Kolbanovsky</u></b> Kinetics and mechanism of trifluoroethylene thermal conversion	16 <sup>30</sup> – 16 <sup>45</sup>
<b><u>M.A. Katkova, V.A. Ilichev, A.N. Konev, M.N. Bochkarev</u></b> Metal-organic complexes of scandium as materials for organic light-emitting diodes	16 <sup>45</sup> – 17 <sup>00</sup>
<b><u>V.P. Vasiliev, G.V. Loukova, V.A. Smirnov</u></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>FRIDAY, 2 OCTOBER</b>	<b>TIME</b>
<i>Chairperson – N.D. Chkanikov</i>	
<b><u>V.M. Buznik, A.R. Khokhlov</u></b> New approaches in fluoropolymer material sciences	$9^{00} - 9^{40}$
<b><u>V.A. Davankov</u></b> Inherent homochirality of primary particles and meteorite impacts as a possible source of prebiotic molecular chirality	$9^{40} - 10^{20}$
<b><u>M.Yu. Antipin</u></b> Can the modern chemistry of organoelement compounds exist without X-ray diffraction data?	$10^{20} - 11^{00}$
<b><u>E.N. Ofitserov</u></b> Development of ideas of balance between dual reactive capacity and tautomerism of A. Nesmeyanov and M. Kabachnik. Fifty years later	$11^{00} - 11^{20}$
<b><u>G.V. Loukova, V.A. Smirnov</u></b> Photophysics and photochemistry of d <sup>0</sup> group IVb metallocenes	$11^{20} - 11^{40}$
<b><u>V.A. Ilichev, M.N. Bochkarev</u></b> 2(2'-oxyphenyl)benzotiazolates of lanthanides. synthesis and electroluminescent properties	$11^{40} - 12^{00}$