Sunday, Sept 22

16:00 – 19:00	**Registration** **Welcome reception** **/INEOS RAS: ul. Vavilova 28, Moscow/**	

Monday, Sept 23

09:30 – 09:50	**Opening Ceremony** **Aziz M. Muzafarov, Vladimir S. Papkov, Michael P. Egorov** INEOS RAS, Russia	
	Chair: Aziz M. Muzafarov	
09:50 – 10:25	***I-1***	**New approach to synthesis of functionalized polysiloxane microspheres** **Julian Chojnowski, Witold Fortuniak, Stanislaw Slomkowski, Piotr Pospiech, Jan Kurjata, Urszula Mizerska** Centre of Molecular and Macromolecular Studies, Polish Academy of Sciences, Poland
10:25 – 11:00	***I-2***	**Structured Silicones: Assembly Through Physical and Click Linkages** **Michael A. Brook, John B. Grande, Laura Dodge, Amanda S. Fawcett** McMaster University, Canada
11:00 – 11:30	***Coffee-break***	
	Chair: Vladimir S. Papkov	
11:30 – 12:05	***I-3***	**New Catalysts enabling Siloxane Materials Growth** **Gregg Zank, Avril Surgenor, Kurt Brandstadt, Richard Taylor** Dow Corning Corporation, United States of America
12:05 – 12:35	***O-1***	**Glassy siloxane-containing polynorbornenes – novel materials for hydrocarbon membrane separation** **Maria Leonidovna Gringolts[1], Maksim Vladimirovich Bermeshev[1], Alexandr Vladimirovich Syromolotov[1], Ljudmila Erikovna Starannikova[1], Valentin Georgievich Lakhtin[2], Eugene Shmerovich Finkelshtein[1], Yurii Pavlovich Yampolskii[1]** [1]A.V. Topchiev Institute of Petrochemical Synthesis RAS, Russian Federation; [2]State Scientific Center of the Russian Federation "State Research Institute for Chemistry and Technology of Organoelement Compounds"
12:35 – 14:00	***Lunch***	
	Chair: Sergei N. Chvalun	
14:00 – 14:35	***I-4***	**Silicon-based magnetic elastomers with giant magnetic response** **G.V. Stepanov[1], V.S. Molchanov[2], A.S. Semisalova[2], N.S. Perov[2], Elena**

		Yulievna Kramarenko[2] [1]Institute of Chemistry and Technology of Organoelement Compounds; [2]Moscow State University, Russian Federation
14:35 – 15:10	***I-5***	**Conjugated organosilicon materials for organic electronics and photonics** **Sergey A. Ponomarenko** ISPM RAS, Russian Federation
15:10 – 15-30	***O-2***	**"Self-healing" silicone additives for sealing applications** **Etienne Delebecq[1], Nicolas Hermeline[2], Alain Flers[2], Francois Ganachaud[1,3]** [1]IAM, Institut Charles Gerhardt, ENSCM, 8 rue de l'Ecole Normale 34296 Montpellier cedex, France; [2]Delphi Connection Systems, Research & Technology Center, ZI des Longs Réages 28231 Epernon, France; [3]IMP@INSA, INSA-Lyon, Bâtiment Jules Verne, 17 avenue Jean Capelle 69621 Villeurbanne Cedex, France
15:30 – 15:50	***O-3***	**Hetero-phase polymerization of vinyl monomers in the presence of silicone surfactants** **Denis Shragin[1], Lubov Zlydneva[2], Inessa Gritskova[2], Viktor Kopylov[2], Inna Markuze[2], Aziz Muzafarov[1]** [1]ISPM RAS, Russian Federation; [2]Lomonosov Moscow University of Fine Chemical Technology
16:00 – 18:00	***Poster session (P-1 – P-42) + Coffee-break***	

Tuesday, Sept 24

	Chair: Michael A. Brook	
09:30 – 10:05	***I-6***	**1D- 2D- and 3D-Coordination Polymers Containing Organosilicon Linkers** **Paul D. Lickiss, Rob P. Davies, Karen Robertson, Andrew J. P. White** Imperial College, United Kingdom
10:05 – 10:40	***I-7***	**Functional polysiloxanes and nano-devices** **Wlodzimierz Andrzej Stanczyk[1], Krzysztof Jasek[2], Tomasz Ganicz[1], Jan Kurjata[1], Tomasz Makowski[3], Adam Tracz[3]** [1]Department of Engineering of Polymer Materials, Centre of Molecular and Macromolecular Studies, Polish Academy of Sciences, Poland; [2]Military Academy of Technology; [3]Department of Physics, Centre of Molecular and Macromolecular Studies, Polish Academy of Sciences
10:40 – 11:10	***Coffee-break***	
	Chair: Paul D. Lickiss	
11:10 – 11:45	***I-8***	**Novel Cage Silsesquioxanes and Their Potential in Materials Science** **Alan Richard Bassindale, P.G. Taylor, E.L. Heeley, Y. El Aziz, I.**

		Williamson The Open University, United Kingdom
11:45 – 12:05	***O-4***	**New composites based on highly gas permeable addition poly(3-trimethylsilyltricyclononene-7) and substituted calixarenes** **Maxim Vladimirovich Bermeshev[1], Ludmila Starannikova[1], Pavel Chapala[1], Viktor Shantarovich[2], Nataliya Gavrilova[3], Yurii Yampolskii[1], Eugene Finkelshtein[1]** [1]A.V. Topchiev Institute of Petrochemical Synthesis RAS, Russian Federation; [2]Semenov Institute of Chemical Physics RAS; [3]Mendeleyev University of Chemical Technology of Russia
12:05 – 12:25	***O-5***	**An efficientent route for synthesis of ethoxysilanes and processes occurring on condensation of methyltriethoxysilane in aqueous systems** **Jan Kurjata, Krystyna Rozga-Wijas, Wlodzimierz Stanczyk** Center of Molecular and Macromolecular Studies, Polish Academy of Sciences, Poland
12:25 – 14:00	***Lunch***	
	Chair: Sergei A. Ponomarenko	
14:00 – 14:35	***I-9***	**Advances on Silicone Resins** **D. Katsoulis, B. Zhu, G. Zank, M. Itoh, M. Suto, G. Wieber, J. Degroot, R. Schmidt** Dow Corning Corporation, United States of America
14:35 – 14:55	***O-6***	**Direct Synthesis of Alkoxysilanes by the Reaction between Silicon and Alcohols** **A. S. Zhiltsov[1,2], M. N. Temnikov[1,2], V. M. Kotov[1,2], A. M. Muzafarov[1,2]** [1]Institute of Synthetic Polymeric Materials RAS; [2]Institute of Organoelement Compounds RAS
14:55 – 15:15	***O-7***	**Functional properties and submolecular organization of high permeable 1,2-disubstituted polyacetylenes** **Samira Matson, Valeriy Khotimskiy** A.V.Topchiev Institute of Petrochemical Synthesis RAS, Russian Federation
15:15 – 15:35	***O-8***	**Self-assembled oligothiophenesilanes for monolayer organic electronics** **Elena V. Agina[1], Alexey S. Sizov[1,2], Daniil A. Anisimov[1,2], Oleg V. Borshchev[1], Maxim A. Shcherbina[1], Artem V. Bakirov[1], Dmitry Yu. Paraschuk[2], Sergey N. Chvalun[1], Sergey A. Ponomarenko[1]** [1]ISPM RAS, Russian Federation; [2]MSU, Russian Federation
15:35 – 15:55	***O-9***	**Model Silicone Contact Lenses as Drug Delivery Devices to Ocular Tissues** **Frances Jacqueline Rosemary Lasowski, Genevieve Conant, Heather Sheardown** McMaster University, Canada

15:55 – 16:25	***Coffee-break***	
	Chair: Richard Weidner	
16:25 – 16:45	***O-10***	**The carbodiimide sol-gel process - recent advances in synthesis, structures and understanding of a sol-gel route to non-oxide materials** **Edwin Kroke** TU Bergakademie Freiberg, Germany
16:45 – 17:05	***O-11***	**Metal-Free Click Assembly of Amphiphilic Silicone Architectures** **Talena Rambarran, Ferdinand Gonzaga, Michael A. Brook** McMaster University, Canada
17:05 – 17:25	***O-12***	**Novel electrical insulation and anti-corrosion materials based on linear and branched sol-gel hybrid polymers** **Stefan Pfeifer, Edwin Kroke** TU Bergakademie Freiberg, Germany
17:25 – 17:45	***O-13***	**Rhodium catalysts supported on polysiloxanes for hydrosilylation** **Marek Jaroslaw Cypryk[1], Piotr Pospiech[1], Krzysztof Strzelec[2]** [1]Center of Molecular and Macromolecular Studies, Poland; [2]Technical University of Lodz
17:45 – 18:05	***O-14***	**Synthesis and ionic conductivity of siloxane based polymer electrolytes with pendant propyl acetoacetate pendant groups** **Jimi Nikoloz Aneli[1,2], Omari Vasili Mukbaniani[1,2], Eliza George Markarashvili[1,2], Tamara Nugzar Tatrishvili[1,2], Maia Zurab Chigvinadze[1]** [1]Iv. Javakhishvili Tbilisi State University; [2]Institute of Macromolecular Chemistry and Polymeric Materials, Iv. Javakhishvili Tbilisi State University
20:00 – 23:00	***Cruise on the Moscow River (Conference Dinner)***	

Wednesday, Sept 25

	Chair: Alan R. Bassindale	
09:30 – 10:05	***I-10***	**Supramolecular interactions in ladder oligosilsesquioxane materials.** **Anna Kowalewska** Centre of Molecular and Macromolecular Studies, Polish Academy of Sciences, Poland
10:05 – 10:40	***I-11***	**New Applications of Cyclic Silanols** **Masafumi Unno, Hisayuki Endo, Chika Kuramochi, Nobuhiro Takeda** Gunma Univesity, Japan
10:40 – 11:10	***Coffee-break***	

	Chair: Aziz M. Muzafarov	
11:10 – 11:45	***I-12***	**Silicone Surface Science** **Michael James Owen** Michigan Molecular Institute, United States of America
11:45 – 12:20	***I-13***	**Silicon-based nanoparticles for biomedical applications** **Victor Yurevich Timoshenko** Moscow State Lomonosov University, Russian Federation
12:20 – 12:30	***Closing remarks***	
12:30 – 14:00	***Lunch***	

Poster Session (Monday, Sept 23, 16:00-18:00)

P-1. Synthesis and properties of nanostructured cuprous chloride

Nicolay Yu. Adonin[1], Sergey A. Prikhodko[1], Anton Yu. Shabalin[1], Igor P. Prosvirin[1], Vladimir I. Zaikovskii[1], Evgeny A. Monin[2], Irina A. Bykova[2], Petr O. Martynov[2], Sergey L. Rusakov[2]

[1]G.K. Boreskov Institute of Catalysis SB RAS, Russian Federation; [2]State Research Institute for Chemistry and Technology of Organoelement Compounds, Russian Federation

P-2. New organosiloxane coatings with methylenephosphone groups

Alexey Anatolevich Amelichev, Elena Nikolaevna Rodlovskaya, Boris Aleksandrovich Izmailov, Valery Aleksandrovich Vasnev

Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciencies, Russian Federation

P-3. Siliconorganic backbone as a matrix for solid polymer electrolyte membranes

Jimi Nikoloz Aneli[1,2], Omari Vasili Mukbaniani[1,2], Tamara Nugzari Tatrishvili[1,2], Eliza George Markarashvili[1,2], Natia Amiran Jalagania[1]

[1]Iv. Javakhishvili Tbilisi State University, Georgia; [2]Institute of Macromolecular Chemistry and Polymeric Materials, Iv. Javakhishvili Tbilisi State University

P-4. The approaches to the synthesis of siloxane rotaxanes

Anton Anisimov, Yuriy Kononevich, Dmitriy Arkhipov, Aleksandr Peregudov, Olga Shchegolikhina, Aziz Muzafarov

INEOS RAS, Russian Federation

P-5. Synthesis polymolybdenophenylsiloxane containing molybdenum atoms in oxidation state +6

M.I. Balanov, A.V. Ermolaeva, V.V. Vasilieva, A.V. Alikovsky

Far Eastern Federal University, Russian Federation

P-6. Investigations on structural properties and reactivity of novel aryl substituted silanes

Judith Binder, Kristina Schrempf, Ana Torvisco, Roland Fischer, Frank Uhlig

TU Graz, Austria

P-7. Luminescent organosiloxane nanocomposites

Oleg Borshchev[1,2], Maxim Skorotetcky[1,2], Nikolay Surin[1,2], Elena Tatarinova[1], Aziz Muzafarov[1], Sergei Ponomarenko[1,2]

[1]ISPM RAS, Russian Federation; [2]«Luminescent Innovation Technologies» LLC, Russian Federation

P-8. Thermal and oxidation degradation of metallasiloxanes

Boris Zavin, Mikhail Buzin, Ilya Volkov, Natalia Sergienko, Ekaterina Trankina, Natalia Cherkun, Vladimir Papkov

INEOS RAS, Russian Federation

P-9. Influence of Si-substition on photovoltaic properties of thiophene-based copolymers

Fedor Drozdov, Ekaterina Myshkovskaya, Michail Surin, Abdderahim Yassar, Sergej Ponomarenko

ISPM RAS, Russian Federation

P-10. POSS-containing, Reactive Siloxane Resins as Polymer Modifiers

Michal Dutkiewicz[1,2], Mariusz Szolyga[3], Hieronim Maciejewski[2,3], Bogdan Marciniec[1,2]

[1]Advanced Technology Centre, Adam Mickiewicz University of Poznan, Poland; [2]Poznan Science and Technology Park, Adam Mickiewicz University Foundation, Poland; [3]Faculty of Chemistry, Adam Mickiewicz University of Poznan, Poland

P-11. The Synthesis of High Molecular Weight POSS-Polymers Using ATRP

Adrian Franczyk[1], Krzysztof Matyjaszewski[2], Bogdan Marciniec[1,3]

[1]Adam Mickiewicz University in Poznan; [2]Carnegie Mellon University; [3]Adam Mickiewicz University in Poznan, Centre of Advanced Technologies

P-12. Synthesis of polysiloxanes microcapsules containing phase change materials

Witold Fortuniak, Chojnowski Julian, Pospiech Piotr, Kurjata Jan, Slomkowski Stanislaw

Centre of Molecular and Macromolecular Studies Polish Academy of Sciences, Poland

P-13. Polycondensation of Methylbenzyldiethoxysilane in Acetic Acid

Aleksandra Kalinina[1], Sergey Milenin[1], Vadim Gorodov[1], Natalia Vasilenko[1], Nina Demchenko[1], Aziz Muzafarov[1,2]

[1]ISPM RAS, Russian Federation; [2]INEOS RAS, Russian Federation

P-14. Synthesis polymolybdaenphenylsiloxanes and investigation of their thermostatic the stabilizing properties

S.G. Krasitskaya, A.V. Alikovskiy, V.V. Vasileva, M.I. Balanov

The Far Eastern Federal University, Russian Federation

P-15. Novel fluorine-containing polyorganosiloxane for the protective antireflection coatings

Elena Ladilina[1], Tatiana Lyubova[1], Kirill Sidorenko[2], Vladimir Semenov[1]

[1]G. A. Razuvaev Institute of Organometallic Chemistry RAS, Russian Federation; [2]Research Physico-Technical Institute, Lobachevsky Nizhegorodsky State University, Russian Federation

P-16. Novel water-soluble polysiloxanes for the biomedical applications

Elena Ladilina[1], Tatiana Lyubova[1], Swetlana Lermontova[1], Yury Klapshin[2], Vladimir Semenov[1]

[1]G. A. Razuvaev Institute of Organometallic Chemistry RAS, Russian Federation; [2]Lobachevsky State University of Nizhny Novgorod, Russian Federation

P-17. Kinetic studies of condensation of α,ω-siloxane diols with aminoalkyl(alkoxy)silanes

Magdalena Łubkowska[1], Włodzimierz Stańczyk[2], Krystyna Rózga-Wijas[2]

[1]Chemical Plant "Silikony Polskie" Ltd., Nowa Sarzyna, Poland; [2]Centre of Molecular and Macromolecular Studies, Polish Academy of Sciences, Łódź, Poland

P-18. Bithiophenesilane-based dendritic macromolecules: synthesis and properties

Yuriy N. Luponosov[1], Sergei A. Ponomarenko[1], Nadezda.N. Rasulova[1], Nikolay M. Surin[1], Dmitriy A. Lupenko[2], Eugeniy I. Maltzev[2], Aziz. M. Muzafarov[1]

[1]Institute of Synthetic Polymeric Materials of the Russian Academy of Sciences, Russian Federation; [2]Institute of Physical Chemistry and Electrochemistry of RAS, Moscow Russia

P-19. Hydrophobic Materials Based on Fluorocarbofunctional Spherosilicates

Joanna Karasiewicz[1], Hieronim Maciejewski[1,2], Michal Dutkiewicz[2,3], Bogdan Marciniec[2,3]

[1]Faculty of Chemistry, Adam Mickiewicz University of Poznan, Poland; [2]Poznan Science and Technology Park, Adam Mickiewicz University Foundation, Poland; [3]Advanced Technology Centre, Adam Mickiewicz University of Poznan, Poland

P-20. Synthesis of hyperbranched polymethylsilsesquioxanes

Ivan Borisovich Meshkov

ISPM RAS, Russian Federation

P-21. Synthesis of the polymethyl(vinyl)silsesquioxane nanogels with different core-shell structures through the condensation of the hyperbranched polymethyl(vinyl)siloxanes

Dmitry Migulin, Elena Tatarinova, Ivan Meshkov, Michail Buzin, Aziz Muzafarov

ISPM RAS, Russian Federation

P-22. Synthesis of some new siloxane hyperbranches

Sergey Alexandrovich Milenin, Denis Igorevich Shragin, Aziz Mansurovich Muzafarov
ISPM RAS, Russian Federation

P-23. Synthesis of Carbosilane Dendrimer Derivatives Containing Linear Ethylene Oxide and Dioxolane Groups in the Outer Layer

Natalia Alexandrovna Novozhilova, Yuriy Nikolaevich Kononevich, Elena Anatolievna Tatarinova, Aziz Mansurovich Muzafarov
ISPM RAS, Russian Federation

P-24. Influence of Size and Architecture of Nano-Particles on Properties of Polystyrene-Based Composite Materials

Natalia Alexandrovna Novozhilova, Olga Anatolievna Serenko, Aziz Mansurovich Muzafarov
ISPM RAS, Russian Federation

P-25. Synthesis and properties of new tetrafunctional cyclosiloxanolates

Maria Nowacka, Anna Kowalewska
Centre of Molecular and Macromolecular Studies, Polish Academy of Sciences, Poland

P-26. Nanostructured surfaces by associative interactions in ladder oligosilsesquioxanes.

Maria Nowacka, Anna Kowalewska, Adam Tracz, Tomasz Makowski
Centre of Molecular and Macromolecular Studies, Polish Academy of Sciences, Poland

P-27. Self-assembly of ladder oligo(phenylsilsesquioxanes) into spherical structures.

Maria Nowacka, Anna Kowalewska, Adam Tracz, Tomasz Makowski, Przemysław Sowiński, Marcin Florczak, Beata Wiktorska
Centre of Molecular and Macromolecular Studies, Polish Academy of Sciences, Poland

P-28. Synthesis of trimethylsiloxane derivatives of polymethylsilsesquioxane

M. A. Obrezkova, A. M. Muzafarov
N.S. Enikolopov Institute of Synthetic Polymeric Matherials of RAS / Russian Federation, Russian Federation

P-29. How sticking efficiently silicone elastomers on metals?

Loic Picard, Francois Ganachaud, Etienne Fleury
INSA Lyon, France

P-30. Synthesis of functionalized microspheres for immobilization of catalyst

Piotr Pospiech, Julian Chojnowski, Witold Fortuniak, Marek Cypryk

Centre of Molecular and Macromolecular Studies Polish Academy of Sciences, Poland

P-31. Siloxane copolymers containing hydrolytically degradable poly(L-lactide) blocks.

Krystyna Rozga-Wijas, Jan Kurjata, Wlodzimierz Stanczyk, Witold Fortuniak, Stanislaw Slomkowski

Centre of Molecular and Macromolecular Studies, Poland

P-32. Synthesis of methyltriethoxysilane and their application as material for soil modification

Krystyna Rozga-Wijas, Jan Kurjata, Wlodzimierz Stanczyk

Centre of Molecular and Macromolecular Studies, Poland

P-33. Aryl Substituted Silanoles as Precursors for Novel Polysiloxanes

Kristina Schrempf, Judith Binder, Vera Dopona, Ana Torvisco, Roland Fischer, Frank Uhlig

TU Graz, Austria

P-34. Exchange reactions of the framework metallasiloxanes

Boris Zavin, Natalia Sergienko, Natalia Cherkun, Ekaterina Trankina, Alexandr Korlyukov

INEOS RAS, Russian Federation

P-35. Nanometallocarbosilanes: synthesis, physicochemical properties, structure

Galina Igorevna Shcherbakova, Mariya Khristoforovna Blokhina, Dmitriy Vladimirovich Zhigalov, Valeriy Vladimirovich Shatunov

SSC RF FSUE «GNIICHTEOS», Russian Federation

P-36. Synthesis and Properties of Fluorine-containing Carbosilane Dendrimers

Natalya Sheremetyeva[1], Elena Tatarinova[1], Viktor Myakushev[1], Michael Buzin[2], Aziz Muzafarov[1]

[1]ISPM RAS, Russian Federation; [2]INEOS RAS, Russian Federation

P-37. New luminescent crosslinking agents for functional organosiloxane polymers

Maxim Skorotetcky

Enikolopov Institute of Synthetic Polymer Materials RAS, Russian Federation

P-38. Preparation of honeycomblike porous films by Breath figures method from epoxy binder modified with fluorocontaining organosilicon oligomers

Mikhail Alexandrovich Soldatov, Natalya Alexandrovna Sheremetyeva, Aziz Mansurovich Muzafarov

ISPM RAS, Russian Federation

P-39. Synthesis of hyperbranched polyphenylsilsesquioxanes

M.N. Temnikov[1,2], D.I. Shragin[1,2], M.I. Buzin[2], M.A. Muzafarof[1,2]

[1]ISPM RAS, Russian Federation; [2]INEOS RAS, Russian Federation

P-40. Polyethylene-silicon dioxide composites with the structure of semi-interpenetrating networks

Elena Trofimchuk[1], *Ivan Meshkov*[2], *Ekaterina Nesterova*[1], *Nina Nikonorova*[1], *Valentina Kazakova*[2], *Aziz Muzafarov*[2], *Nikolay Bakeev*[1,2]

[1]Moscow State University, Russian Federation; [2]Institute of Synthetic Polymer Materials RAS, Russian Federation

P-41. New heat-resistant oligoorganoelementsilazanes with a tantalum-, hafnium fragments

S.V. Zhukova, O.G. Ryzhova, P.A. Storozhenko, A.N. Polivanov

State Research Institute for Chemistry and Technology of Organoelement Compounds, Russian Federation

P-42. The preparation of microchannel silicon rubber

Natalia Vadimovna Zolotareva, Vladimir Viktorovich Semenov, Viktor Nikolaevich Myakov

G.A. Razuvaev Institute of Organometallic Chemistry of Russian Academy of Sciences, Russian Federation