

SCIENTIFIC PROGRAM

The scientific program will include plenary (PL) and invited (Inv) lectures, oral (O) and poster (P) contributed papers

Monday, June 10, 2019

8.00 -10.00 Registration
10.00 Departure

10.15 – 11.00	WELCOME PARTY	
11.00 – 11.30	OPENING CEREMONY	
Chair: <u>Eduard Karakhanov, Anton Maximov</u>		
11.30 - 12.10	PL1	MACROMOLECULAR COMPLEXES AS AN ADVANCED FUNCTIONAL POLYMER Hiroyuki Nishide <i>Waseda University, Tokyo, Japan</i>
12.10 - 12.50	PL2	SELF-ASSEMBLY AND LAYER-BY-LAYER STRATEGIES FOR NOVEL ELECTROACTIVE POLYMER MATERIALS AND APPLICATIONS Christopher Brett <i>University of Coimbra, Coimbra, Portugal</i>
12.50 - 13.30	PL3	NANO-SIZED CARRIERS FOR CONTROLLED DRUG DELIVERY Alexander Yaroslavov <i>Lomonosov Moscow State University, Moscow, Russia</i>
13.30 – 14.30	LUNCH	
Chair: <u>Hiroyuki Nishide, Alexander Yaroslavov</u>		
14.45 – 15.15	Inv2	SELF-PROPELLED PROTEIN MICROTUBE MOTORS Teruyuki Komatsu <i>Chuo University, Tokyo, Japan</i>
15.15 – 15.45	O1	POLY(N-ISOPROPYLACRYLAMIDE) IN WATER/METHANOL MIXTURES: NONEQUILIBRIUM LIQUID–LIQUID PHASE SEPARATION Vladimir Aseyev <i>University of Helsinki, Helsinki, Finland</i>
15.45 – 16.00	O2	DENDRITIC MACROMOLECULES AS A FUNCTIONAL MEDIA FOR NANOPARTICLE FORMATION Zinaida Shifrina <i>A.N.Nesmeyanov Institute of Organoelement Compounds Russian Academy of Sciences, Moscow, Russia</i>

16.00 – 16.15	O3	CHROMIUM COMPLEXES FOR INNOVATIVE FIBERGLASS REINFORCED COMPOSITES Natalia Demina <i>JSC “NPO Stekloplastic”, Moscow region, Solnechnogorsky r-n, Andreevka</i>
16.15 – 16.30	O4	POLY(AM-CO-NiPAM) HYDROGEL-SUPPORTED COPPER CATALYST FOR OXIDATION REACTIONS Shimei Xu <i>Sichuan University, Chengdu, China</i>
16.30 - 16.45	COFFEE-BREAK	
Chair: Kimihisa Yamamoto, Vladimir Aseyev		
16.45 – 17.00	O5	HYDROTHERMAL SYNTHESIS OF Zr-MOF: SPECTACULAR INCREASE OF THE SURFACE AREA USING CYCLODEXTRIN AS NOVEL MODULATOR Jolanta Rousseau <i>University Artois, Lens, France</i>
17.00 – 17.15	O6	SURFACE STRUCTURE AND PROPERTIES OF THE CATALYSTS BASED ON THE HYPERCROSSLINKED POLYMERS MODIFIED WITH Fe_3O_4 AND SiO_2 Antonina Stepacheva <i>Tver State Technical University, Tver, Russia</i>
17.15 – 17.30	O7	TWO- AND THREE-PHOTON ABSORPTION PROPERTIES OF CROSSLINKED CONJUGATED POLYMERS AND THEIR METAL ION COMPLEXES Jan Zaręba <i>Wroclaw University of Science and Technology, Wroclaw, Poland</i>
17.30 – 17.45	O8	FLUORENONE/FLUORENOL POLYMER NANOPARTICLES FOR REVERSIBLE HYDROGEN-FIXING AND -RELEASING WITH THE IRIIDIUM COMPLEX Kouki Oka <i>Waseda University, Tokyo Japan</i>
17.45- 18.00	O24	METHYL FORMATE AS SYNGAS ALTERNATIVE SOURCE IN HYDROFORMYLATION OF UNSATURATED COMPOUNDS Dmitry Gorbunov <i>Lomonosov Moscow State University, Moscow, Russia</i>
18.00 - 19.00	Poster session (P 01 – P 36)	
19.00	DINNER	

Tuesday, June 11, 2019

7.45 - 8.45	BREAKFAST	
Chair: <u>Eric Monflier, Gulzhian Dzhardimalieva</u>		
9.00 - 9.40	PL4	ATOMHYBRIDIZATION: SYNTHESIS OF MULTIMETALLIC CLUSTERS USING A DENDRIMER REACTOR Kimihisa Yamamoto <i>Tokyo Institute of Technology, Yokohama, Japan</i>
9.40 - 10.10	Inv3	PHOSPHORUS CONTAINING POLYMERS IN THE ION-EXCHANGE AND COMPLEXATION OF METAL IONS Andrzej Trochimczuk <i>Wroclaw University of Science and Technology, Wroclaw, Poland</i>
10.10 – 10.40	Inv4	METAL NANOPARTICLES AND CARBON NANOTUBES FOR ENERGY HARVESTING FROM WASTE HEAT Naoki Toshima <i>Sanyo-Onoda City University (former Tokyo University of Science Yamaguchi), Sanyo-Onoda, Yamaguchi, Japan</i>
10.40 - 11.00	COFFEE-BREAK	
Chair: <u>Naoki Toshima, Sarkyt Kudaibergenov</u>		
11.00 – 11.30	Inv5	COORDINATION POLYMERS WITH CARBOXYLIC AND CHELATE LIGANDS: SYNTHESIS, STRUCTURE AND PROPERTIES Gulzhian Dzhardimalieva <i>Institute of Problems of Chemical Physics Russian Academy of Sciences, Chernogolovka, Moscow Region, Russian Federation</i>
11.30 - 11.45	O9	INFLUENCE OF THE POLYMER STRUCTURE ON CATALYTIC PROPERTIES OF MAGNETICALLY RECOVERABLE CATALYSTS Lyudmila Bronstein <i>Indiana University, Bloomington, USA</i>
11.45 – 12.00	O10	BRIDGING THE HOMOGENEOUS/ HETEROGENEOUS CHEMISTRY GAP WITH METAL/LIGAND POLYMER CHAINS: TOWARDS SINGLE SITE CATALYSIS Kenneth Caulton <i>Indiana University and University of Central Florida, USA</i>
12.00 – 12.15	O11	GELATION IN LOW CONCENTRATED GLYCYRAM AND AMINO ACIDS SOLUTIONS IN THE PRESENCE OF SILVER NITRATE Asilkan Dzhumanazarova <i>Institute of Chemistry and Phytotechnologies of the National Academy of Sciences, Bishkek, Kyrgyzstan</i>

12.15 – 12.30	O12	BIOPOLYMER STABILIZED FLUORESCENT METAL CLUSTERS Alexei Kononov <i>St. Petersburg State University, St. Petersburg, Russia</i>
12.30 – 13.30	LUNCH	
13.30 – 18.30	Social program Tver	
17.30 – 18.30	Poster session (P 01 – P 36)	
18.30 – 19.30	DINNER	

Wednesday, June 12, 2019

7.30 – 8.30	BREAKFAST	
Chair: Andrzej Trochimczuk, Anthony Guiseppi-Elie		
8.30 – 9.00	Inv6	MACROMOLECULAR COMPLEXES OF POLYAMPHOLYTES Sarkyt Kudaibergenov <i>Institute of Polymer Materials and Technology, Almaty, Kazakhstan</i>
9.00 – 9.30	Inv7	TRANSITION METAL CATALYSIS INVOLVING CYCLODEXTRIN POLYMERS IN LIQUID PHASE: RECENT RESULTS AND FUTURE TRENDS Eric Monflier <i>University Artois, Lens, France</i>
9.30 – 9.45	O13	NANOSTRUCTURED CORE-SHELL RUTHENIUM CATALYSTS FOR AROMATICS HYDROGENATION Aleksandr Glotov <i>Gubkin Russian State University of Oil and Gas, Moscow, Russia</i>
9.45 – 10.00	O14	Ni AND Ni/Ru BIMETALLIC POLYMER-BASED CATALYSTS FOR N-METHYLGLUCOSAMINE SYNTHESIS Stepan Mikhailov <i>Tver State Technical University, Tver, Russia</i>
10.00 – 10.30	COFFEE-BREAK	
10.30 – 14.00	Social program Myshkin	
14.00 – 15.00	LUNCH	

Chair: Teruyuki Komatsu, Gulzhian Dzhardimalieva		
15.00 – 15.15	O15	Zn IMPREGNATED H-ZSM-5 ZEOLITE CATALYSTS FOR METHANOL TO HYDROCARBONS TRANSFORMATION PROCESS Valentin Doluda <i>Tver State Technical University, Tver, Russia</i>
15.15 – 15.30	O16	COORDINATION NANOSHEETS Ryota Sakamoto <i>University of Tokyo, Tokyo, Japan</i>
15.30 – 15.45	O17	HYDROTHERMAL SYNTHESIS OF POLYMERIC METAL-CONTAINING CATALYSTS Mariia Markova <i>Tver State Technical University and Tver State University, Tver, Russia</i>
16.00 - 21.00	Social program Uglich	
21.00 – 22.00	DINNER	

Thursday June 13, 2019

8.00 – 9.00	BREAKFAST	
Chair Alexander Anisimov, Lyudmila Bronstein		
9.00 – 9.30	Inv8	3D PRINTABLE BIOINKS BASED ON ELECTROCONDUCTIVE HYDROGELS FOR NEUROREGENERATION Anthony Guiseppi-Elie <i>Texas A&M University, College Station, USA</i>
9.30 – 10.00	Inv9	ULTRAFINE METALL POLYMER CATALYST BASED ON POLYCONJUGATION SYSTEMS FOR FISHER-TROPSCH SYNTHESIS Mayya Kulikova <i>A.V.Topchiev Institute of Petrochemical Synthesis Russian Academy of Sciences, Moscow, Russia</i>
10.00 – 10.15	O18	HYPERCROSSLINKED POLYSTYRENE AS AN EFFECTIVE SUPPORT FOR CATALYTIC ACTIVE METAL NANOPARTICLES Valentina Matveeva <i>Tver State Technical University and Tver State University, Tver, Russia</i>
10.15 – 10.30	O19	ORGANOMETALIC COMPLEXES AS EFFICIENT LIGHT ACTIVATED SELF-DISINFECTING MATERIALS Zafar Ahmed <i>Tampere University, Tampere, Finland</i>

10.30 – 10.45	O20	THE SYNTHESIS OF MAGNETICALLY SEPARABLE BIOCATALYSTS BASED ON MONO- AND BI- ENZYME Aleksandrina Sulman <i>Tver State Technical University, Tver, Russia</i>
10.45 – 11.30	COFFEE-BREAK	
Chair: <u>Christopher Brett, Eduard Karakhanov</u>		
11.30 – 11.45	O21	COMPLEX SOLUTION BEHAVIOUR OF A POLYCATION-PEG COPOLYMER Vikram Baddam <i>University of Helsinki, Helsinki, Finland</i>
11.45 – 12.00	O22	HYDROPROCESSING OF OIL FRACTIONS OVER METAL CATALYSTS SUPPORTED ON POROUS AROMATIC FRAMEWORKS Leonid Kulikov <i>Lomonosov Moscow State University, Moscow, Russia</i>
12.00 – 12.15	O23	DENDRON-FUNCTIONALIZED MAGNETICALLY RECOVERABLE CATALYSTS FOR SUZUKI CROSS- COUPLING REACTION Svetlana Sorokina <i>A.N. Nesmeyanov Institute of Organoelement Compounds Russian Academy of Sciences, Moscow, Russia</i>
12.15 – 13.00	CLOSING CEREMONY	
13.00 - 14.00	LUNCH	
17.30- 20.30	BANQUET	

POSTER PRESENTATION

- P1** Maria I. Artemova, Aleksandr P. Glotov, Natalia R. Demikhova, Evgenii V. Ivanov, Vladimir A. Vinokurov, Yuri M. Lvov
NANOSTRUCTURED Pt-CONTAINING CATALYSTS BASED ON Al-MCM-41 AND HALLOYSITE FOR ISOMERIZATION OF AROMATIC COMPOUNDS
- P2** A.S. Auyezkhanova, S.N. Akhmetova, N.Zh. Tumabayev
THE SYNTHESIS AND CATALYTIC PROPERTIES OF THE COMPOSITE MATERIALS ON THE BASIS OF POLYSACCHARIDES

- P3** Roza K. Baimuratova, Nina D. Golubeva, Galina I. Davydova, Evgeniya I. Knerelman, Gulzhian I. Dzhardimalieva
COORDINATION POLYMERS BASED ON COPPER AND ZINC CARBOXYLATES: STRUCTURE AND FUNCTIONAL PROPERTIES
- P4** X.M. Ismoilova, Sh.B. Xasanov, D.J. Bekchanov, M.G. Mukhamediev
COMPLEX FORMATION IN THE SYSTEM POLYAMPHOLYTE - Ni²⁺, Co²⁺, Cu²⁺-WATER
- P5** M.M. Jo'rayev, M. Maksumov, S.Y. Xushvaqtov, D.J. Bekchanov, M.G. Mukhamediev
SORPTION OF COPPER AND NICKEL IONS ON A ION EXCHANGER SULFO AND AMINO CONTAINING POLIAMPHOLITE ON THE BASE OF POLYVINYLCHLORIDE
- P6** Daria A. Khundzhua, Lyubov S. Bondarenko, Kamila A. Kydralieva, Svetlana V. Patsaeva
THE STUDY OF COMPLEXES OF HUMIC ACIDS WITH Fe³⁺ BY SPECTROSCOPIC METHODS
- P7** Gulzhian Dzhardimalieva, Timur Aydemir, Lev Rabinskiy, Olga Tushavina, Kamila Kydralieva
POLYMER-MEDIATED SYNTHESIS OF Fe-Co NANOCRYSTALLINE ALLOYS: FORMULATION AND PROPERTIES
- P8** Fedorov R.A., Akopyan A.V., Eseva E.A., Anisimov A.V.
OXIDATIVE TREATMENT EFFECT ON THE PHYSICAL AND CHEMICAL PROPERTIES OF CRUDE OIL
- P9** Shaxidova D.N., Gafurova D.A., Mukhamediev M.M.
SORPTION OF HALOGENS ON THE ANION-EXCHANGE FIBROUS MATERIAL BASED ON ACRYLIC FIBER
- P10** A.N. Gorbunov, I.D. Deltsov, Yu.O. Kuznetsova, I.M. Vatsouro
SELECTIVE FORMATION OF 1,5-TRIAZOLES AT NARROW RIMS OF CALIX[4]ARENES BY NON-CATALYZED HUISGEN CYCLOADDITION
- P11** Dmitry N. Gorbunov, Maria V. Nenasheva, Eduard A. Karakhanov
SYNGAS AND IT'S ALTERNATIVE SOURCE – METHYL FORMATE – IN TANDEM HYDROFORMYLATION-ACETALIZATION REACTION
- P12** Motoyasu Hirai, Seigo Watanabe and Kenichi Oyaizu
SYNTHESIS OF POLY(BIPHENYLENE SULFIDE) THROUGH OXIDATIVE POLYMERIZATION AND ITS THERMOTROPIC LIQUID CRYSTALLINITY
- P13** Kalinina M., Kulikov L., Karakhanov E.
Pd – CATALYSTS BASED ON MESOPOROUS AROMATIC FRAMEWORKS MODIFIED BY DIETHANOLAMINE

- P14** *Irina Yu. Krasnova, Dmitry Yu. Antonov, Nikolay M. Surin, Evgenia A. Svidchenko, Zinaida B. Shifrina*
NOVEL POLYPHENYLENE DENDRIMERS BASED ON THE [2.2]PARACYCLOPHANE CORE: SYNTHESIS AND OPTICAL PROPERTIES
- P15** Nina V. Kuchkina, Marina S. Rajadurai, Surendar Basaveni, Elena S. Serkova, Zinaida B. Shifrina
HYPERBRANCHED POLYPYRIDYLPHENYLENES AS A SUPPORT FOR FORMATION OF NANOPARTICULATE CATALYTIC SYSTEMS
- P16** Moldir Dauletbekova, Sarkyt E. Kudaibergenov
HYDROGENATION OF NITROCOMPOUNDS BY SILVER NANOPARTICLES IMMOBILIZED WITHIN POLYAMPHOLYTE CRYOGELS
- P17** Kydyrmolla Akatan, Sana Kabdrakhmanova, Madi Abilev, Zhanar Ibrayeva, Alesya Vurasko
STUDY OF PHYSICO-CHEMICAL INDICATORS OF OBTAINING THE CELLULOSE FROM ONE-YEAR PLANTS
- P18** Kydyrmolla Akatan, Ainur Kabdrakhmanova, Esbol Shaymardan, Asylkan Dzhumanazarova, Bagdat Selenova
SYNTHESIS AND PHYSICO-CHEMICAL CHARACTERIZATION OF Pd-Co/C BIMETALIC NANOCATALYST
- P19** D. A. Makeeva, L. A. Kulikov, E. A. Karakhanov
SELECTIVE HYDROGENATION OF TERMINAL ALKYNES OVER PALLADIUM NANOPARTICLES WITHIN THE PORES OF AMINO-MODIFIED POROUS AROMATIC FRAMEWORKS
- P20** M. G. Mukhamediev, D. J. Bekchanov, D. A. Gafurova, N. M. Rustamova
HIGH EFFICIENT REMOVAL OF CHROMIUM (VI) USING ANION EXCHANGER RESINS BASED ON POLYVINYLCHLORIDE
- P21** Maria V. Nenasheva, Dmitry N. Gorbunov, Eduard A. Karakhanov
METHYL FORMATE AS SYNGAS ALTERNATIVE SOURCE IN HYDROFORMYLATION OF UNSATURATED COMPOUNDS
- P22** Polikarpova P.D., Akopyan A.V., Anisimov A.V.
OXIDATIVE DESULFURIZATION OF FUELS IN THE PRESENCE OF MESOPOROUS ALUMINOSILICATES
- P23** Kirill V. Puchnin, Ivan M. Vatsouro, Vladimir V. Kovalev
FIRST TWISTED ISOMERS OF CALIXTUBES: SYNTHESIS AND RECEPTOR PROPERTIES

- P24** Baurzhan Rakhadilov, Kydyrmolla Akatan, Sana Kabdrakhmanova, Togzhan Tuleubaeva, Madi Abilev, Zhanerke Ospanova
ELECTRON BEAM PROCESSING OF POLYMERS AND
STUDYING THEIR PROPERTIES
- P25** Natalya V. Reznikova, Tokhir Kh. Rakhimov,
Mukhtar G. Mukhamediev, Dulfusa A. Gafurova, Davron J.
Bekchanov
FEASIBILITY FOR CHANGING OF ACTIVE FRACTIONS
BORDERS OF Pd -CONTAINING NANOPARTICLES
- P26** Natalya V. Reznikova, Maksim S. Malyshev, Khayrulla A.
Mirzakhidov, Askar Sh. Abdurazzakov
THE COMPLEXATION OF MEDAMINE WITH CARBOXYL-
CONTAINING POLYMERS
- P27** Vitaly A. Shershnev, Pavel N. Kudryavtsev, Evgeniya I. Knerelman,
Galina I. Davydova, Mauro Zarrelli, Gulzhian I. Dzhardimalieva
CORE-SHELL NANOCOMPOSITES PRODUCED FROM
COORDINATION POLYMERS
- P28** Vera Semernina, Mariia Terenina, Yulia Kardasheva, Eduard
Karakhanov
DESIGN OF NOVEL IMMOBILIZED METAL COMPLEX
CATALYSTS FOR HYDROFORMYLATION AND
HYDROAMINOMETHYLATION
- P29** Rauan Sabirov, Iskander Gussenov, Sergey Sakhnov,
Vladimir Sigitov
INTRAPOLYELECTROLYTE COMPLEXES OF “QUENCHED”
POLYAMPHOLYTES CONTAINING FLOURESCENT DYES
- P30** Talanova M. Yu, Sinikova N.A., Yarchak V.A., Karakhanov E.A.
ACID CATALYSTS BASED ON MESOPOROUS AROMATIC
FRAMEWORKS IN ALDOL CONDENSATION OF FURFURAL
- P31** Eldar T. Talgatov, Assemgul S. Auyezkhanova, Kuralai S.
Seitkalieva
PAM-STABILIZED PALLADIUM ON MAGNETIC SUPPORT
FOR PHENYLACETYLENE HYDROGENATION
- P32** Toshiki Tezuka, Kan Hatakeyama-Sato and Kenichi Oyaizu
SYNTHESIS OF ION-CONDUCTING POLYTHIOETHERS AS
SOLID-POLYMER ELECTROLYTES
- P33** Gaukhar Toleutay, Sarkyt E. Kudaibergenov
COMPLEXATION OF CROSSLINKED “QUENCHED”
POLYAMPHOLYTES WITH IONIC DYES AND SURFACTANTS
- P34** R. T. Tursunova, S.K. Kabdrakhmanova, B.S. Selenova
STUDIES ON THE POSSIBILITY OF USING NATURAL CLAY
FROM KOLZHAT (THE REPUBLIC OF KAZAKHSTAN) AS A
SUPPORTER OF METAL NANOPARTICLES FOR CATALYSIS

- P35** Anna Vutolkina, Ilnur Baygildin, Aleksandr Glotov, Anton Maximov, Eduard Karakhanov
HIGHLY DISPERSED Ni-Mo-SULFIDE CATALYSTS FOR HYD AND HDS VIA *IN SITU* HYDROGEN GENERATION THROUGH A WGSR
- P36** Julia V. Smirnova, Galina N. Konova
RUSSIAN CHEMICAL BULLETIN (IZVESTIYA AKADEMII NAUK. SERIYA KHIMICHESKAYA)