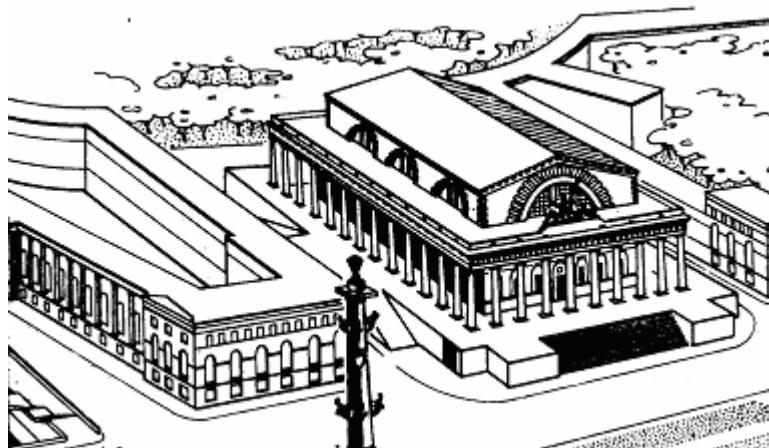


# **MODERN PROBLEMS OF POLYMER SCIENCE**



## **Program of 13<sup>th</sup> International Saint Petersburg Conference of Young Scientists**

**November 13 – 16, 2017  
Saint Petersburg**

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**(\*) Event within the framework of the St. Petersburg International Scientific and Industrial Composite Forum and Exhibition K-EXPO**

# SCIENTIFIC PROGRAM

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12-15 – 12-30	<u>Tankovskaia S.A.</u> , Paston S.V. CONFORMATIONAL TRANSITIONS IN HUMAN SERUM ALBUMIN	<b>4-O-04</b>
12-30 – 12-45	<u>Boyko O.S.</u> , Tolmachev D.A., Lukaseva N.V., Lyulin S.V. EFFECT OF CALCIUM BRIDGES ON POLYASPARTIC ACID CHAIN DYNAMIC	<b>4-O-05</b>
12-45 – 13-00	<u>Slyusarenko M.A.</u> , Kafidov K.E., Gubarev A.S., Yevlampieva N.P. THE NEW CONTRAST AGENTS FOR PRACTICAL MAGNETIC RESONANCE IMAGING	<b>4-O-06</b>
<b>Section 2. <i>Physico-chemical properties of polymers</i></b> Chair: Smyslov R.Yu.		<b>Conference Hall 4</b>
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11-45 – 12-00	<u>Koroleva O.E.</u> , Sitnikova V.E., Pakhomov P.M. DETERMINATION OF GEOMETRICAL SHAPE AND ORIENTATION OF THE FILLER PARTICLES OR PORES IN A POLYMERIC MATRIX BY SPECTROSCOPIC TECHNIQUE	<b>2-O-02</b>
12-00 – 12-15	<u>Ostanin S.A.</u> , Mokeev M.B., Zuev V.V. PROTROPIC BEHAVIOUR OF CYCLOALIPHATIC POLYURETHANES AND POLYUREAS STUDYING BY NMR SPECTROSCOPY	<b>2-O-03</b>
12-15 – 12-30	<u>Nazarychev V.M.</u> , Volgin I.V., Larin S.V., Lyulin A.V., Kenny J.M., Lyulin S.V. RHEOLOGICAL AND MECHANICAL PROPERTIES OF CRYSTALLIZABLE POLYIMIDE R-BAPB IN THE VICINITY OF CARBON NANOTUBE	<b>2-O-04</b>



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16-30 – 16-45	<u>Fatullaev E.I.</u> , Tarabukina E.B., Abzaeva K.A., Zhilitskaya L.V. HYDRODYNAMIC AND CONFORMATIONAL PROPERTIES OF POLYACRYLIC ACID MODIFIED BY METALS	<b>2-O-08</b>
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17-00 – 17-15	<u>Dommes O.A.</u> , Gosteva A.A., Okatova O.V., Pavlov G.M. ELECTROSTATIC INTERACTIONS IN CHAINS OF COPOLYMERS N-METHYL-N-VINYLAcetAMIDE AND N-METHYL-N-VINYLAmine HYDROCHLORIDE	<b>2-O-10</b>

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9-45 – 10-00	<u>Gostev A.I.</u> , Sivtsov E.V. SPECIAL FEATURES OF RAFT POLYMERIZATION IN THE PRESENCE OF SYMMETRICAL TRITHIOCARBONATES	<b>1-O-06</b>
10-00 – 10-15	<u>Mineeva K.O.</u> , Plutalova A.V., Zaitsev S.D., Chernikova E.V. AMPHIPHILIC COPOLYMERS OF STYRENE AND ACRYLIC ACID: SYNTHESIS VIA REVERSIBLE ADDITION-FRAGMENTATION CHAIN TRANSFER POLYMERIZATION AND CONTROL OVER THE RELATIVE MONOMER REACTIVITY	<b>1-O-07</b>
10-15 – 10-30	<u>Kashina A.V.</u> , Meleshko T.K., Bogorad N.N., Saprykina N.N., Kostyuk S.V., Vasilenko I.V., Nikishev P.A., Yakimansky A.V. SYNTHESIS AND STUDY OF COPOLYMERS CONTAINING POLYIMIDE AND POLYCAPROLACTONE BLOCKS	<b>1-O-08</b>
10-30 – 10-45	<u>Odintsova V.V.</u> , Zaremski M.Y., Edeleva M.V., Morozov D.A., Kyrylyuk I.A., Bagryanskaya E.G. THE EFFECT OF POLYMERIZATION CONDITIONS ON THE KINETICS AND MECHANISM OF NITROXIDE-MEDIATED MMA POLYMERIZATION	<b>1-O-09</b>
10-45 – 11-00	<u>Fedotova E.A.</u> , Sinityna E.S., Korzhikov-Vlakh V.A., Tennikova T.B. POLYMER CRYOGELS WITH ARTIFICIAL STEREOSPECIFIC RECOGNITION SITES	<b>1-O-10</b>
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15-30 – 15-45	<u>Lentin I.I.</u> , Kostenko S.N., Efimova A.A., Krivtsov G.G., Yaroslavov A.A. ANIONIC LIPOSOMES IN CONTACT WITH LINEAR POLYCATIONS	<b>4-O-09</b>
15-45 – 16-00	<u>Rodina N.P.</u> , Sulatskaya A.I., Sulatsky M.I., Povarova A.I., Kuznetsova I.M., Turoverov K.K. INVESTIGATION OF SPECTRAL PROPERTIES OF A NEW FLUORESCENT PROBE DMASEBT – ANALOGUE OF THIOFLAVIN T	<b>4-O-10</b>
16-00 – 16-15	<u>Vasileva M.Yu.</u> , Kopanitsa M.A., Sysolyatina A.A., Ershov A.Yu. THE NOBLE METALS GLYCONANOPARTICLES	<b>4-O-11</b>
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- 1-P-02** Stotskaya O.A., Rozentsvet V.A., Sablina N.A.  
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- 1-P-03** Simanskaya K.Yu., Grishin I.D., Grishin D.F.  
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- 1-P-04** Lizyakina O.S., Vaganova L.B., Grishin D.F.  
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- 1-P-05** Satarova S.A., Gostev A.I., Sivtsov E.V., Gorshkov N.I.  
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- 1-P-06** Roenko A.V., Denisova Yu.I., Gringolts M.L., Krentsel L.B., Shandryuk G.A., Kudryavtsev Y.V.  
SYNTHESIS OF NORBORNENE-HYDROXYCYCLOOCTENE STATISTICAL MULTIBLOCK COPOLYMERS BY POLYMER CROSS-METATHESIS
- 1-P-07** Stakhi S.A., Grishin I.D.  
SYNTHESIS OF COPOLYMERS OF ACRYLONITRILE SUITABLE FOR CARBON FIBER PRODUCTION BY ATOM TRANSFER RADICAL POLYMERIZATION
- 1-P-08** Liziyakina O.S., Vaganova L.B., Chegerev M.G., Piskunov A.V., Grishin D.F.  
SYNTHESIS OF VARIOUS HOMO-POLYMERS AND BLOCK-COPOLYMERS WITH 4,6-DI-TERT-BUTYL-N-(2,6-DIIZOPROPYLPHENYL)-O-IMINOQUINONE
- 1-P-09** Morontsev A.A., Denisova Yu.I., Gringolts M.L., Shandryuk G.A., Kudryavtsev Y.V.  
SYNTHESIS OF NEW NORBORNENE-BUTADIENE MULTIBLOCK COPOLYMERS BY POLYMER CROSS-METATHESIS REACTION
- 1-P-10** Shishkina A.N., Shigapova A.R., Patrushev N.V.  
THE DETERMINATION OF THE THICKNESS AND MORPHOLOGY OF POLYANILINE FILMS
- 1-P-11** Melent'ev A.V., Zolotova Yu.I., Nazarova O.V., Nekrasova T.N., Panarin E.F.  
SILVER NANOPARTICLES FORMATION IN THE PRESENCE OF 2-(DIALKYLAMINO)ETHYL METHACRYLATE COPOLYMERS IN AQUEOUS SOLUTIONS
- 1-P-12** Zolotova Yu.I., Nazarova O.V., Nekrasova T.N., Bezrukova M.A., Panarin E.F.  
COPOLYMERS OF 4-ACRYLOYLMORPHOLINE WITH N,N-DIALKYLAMINOETHYLMETHACRYLATES
- 1-P-13** Kayumov M.N., Sazonov O.O., Davletbaev R.S., Nizamov A.A., Faizulina Z.Z.  
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- 1-P-14** Borodina K.N., Levit M.L., Vdovchenko A.A., Korzhikova-Vlakh E.G., Tennikova T.B.  
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- 1-P-15** Ivanov I.V., Bogorad N.N., Kukarkina N.V., Meleshko T.K., Yakimansky A.V.  
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- 1-P-16** Vasileva A.A., Mikhaylov V.N.  
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- 1-P-17** Bekanova M.Z., Shandryuk G.A., Chernikova E.V., Talroze R.V.  
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- 1-P-18** Berezin I.A., Nosova G.I., Litvinova L.S., Zhukova E.V., Lypenko D.A., Yakimansky A.V.  
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- 1-P-19** Grigoreva A.O., Zaitsev S.D., Polozov E.Yu.  
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- 1-P-20** Zeynalova S.Z., Smirnova L.A.  
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- 1-P-21** Polozov E.Yu., Zaitsev S.D.  
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- 1-P-22** Ivanov I.V., Meleshko T.K., Valueva S.V., Sukhanova T.E., Yakimansky A.V.  
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- 1-P-23** Gubina N.S., Plutalova A.V., Chernikova E.V.  
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- 2-P-01** Lezova I.E., Polushin S.G., Rogozhin V.B.  
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- 2-P-02** Kapitanov A.A., Mizyov A.S., Kluzhin E.S., Vshivkov S.A.  
EFFECT OF MAGNETIC FIELD ON PHASE TRANSITIONS IN POLYELECTROLYTE SOLUTIONS
- 2-P-03** Dao T.H., Castro R.A.  
LOW TEMPERATURE CHARGE TRANSPORT IN THERMOPLASTIC AROMATIC POLYIMIDES
- 2-P-04** Simonova M.A., Khayrullin A.R., Filippov A.P., Ivanov I.V., Turina V.O., Kuznetsova A.B., Kashina A.V., Meleshko T.K., Yakimansky A.V.  
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- 2-P-05** Morudova I.N., Ryabova M.O., Dmitriev I.Yu., Kuryndin I.S., Saprykina N.N., Lavrentyev V.K., Elyashevich G.K.  
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