

V INTERNATIONAL CONFERENCE ON COLLOID CHEMISTRY AND PHYSICOCHEMICAL MECHANICS

Monday, September 10		
15:00-18:00 Registration 18:00-20:00 Welcome party		
Tuesday, September 11		
8:30-9:00 Registration 9:00-9:20 Opening of the Conference 9:20-10:00 Plenary Lecture 1 , Prof. Jan C. Eriksson , Royal Institute of Technology (Stockholm, Sweden), COMMENTS ON THE CAUSE OF THE HYDROPHOBIC ATTRACTION		
<u>1st Section "Theoretical problems of colloid chemistry"</u> 10:10-10:40 Key Lecture, A.I. Rusanov , CMC FOR MULTI-CHARGED IONICS 10:40-11:00 S.V. Amel'kin , LIQUID LAYER ON HETEROGENEOUS SUBSTRATES, SURFACE CAVITATION AND NANOBUBBLES	<u>2nd Section "Wetting, spreading and thin films"</u> 10:10-10:40 Key Lecture, O. Shibata , H. Nakahara, M. Hagimori, T. Mukai, LANGMUIR MONOLAYERS OF A TETRAZINE-CONTAINING GEMINI AMPHIPHILE WITH BIOMEMBRANE LIPIDS 10:40-11:00 P.V. Protsenko , V.V. Korolev CONTACT ANGLE IN NON-REACTIVE LIQUID METAL / SOLID METAL SYSTEMS	<u>4th Section "Surfactants (IV Russian symposium on surfactants included)"</u> 10:10-10:40 Key Lecture, B. Noskov , S.-Y. Lin, G. Loglio, R. Miller, O. Milyaeva, M. Krycki, DYNAMIC PROPERTIES OF PROTEIN/SURFACTANT ADSORPTION LAYERS 10:40-11:00 A. Bhadani , K. Sakai, H. Sakai, M. Abe, SYNTHESIS AND EVALUATION OF SUSTAINABLE SURFACTANTS BASED ON RENEWABLE BUILDING BLOCKS
11:00-11:20 Coffee break		
<u>1st Section "Theoretical problems of colloid chemistry"</u> 11:30-11:50 D.I. Beketova , CRYSTALLIZATION OF WATER-SOLUBLE INORGANIC SALTS IN NaAOT MICROEMULSIONS 11:50-12:10 I.S. Flyagina , A.I. Malkin, S.P. Dolin, QUANTUM-CHEMICAL SIMULATION OF THE ADSORPTION INDUCED REDUCTION OF STRENGTH OF SILICA	<u>2nd Section "Wetting, spreading and thin films"</u> 11:20-11:50 Key Lecture, L.-J. Chen , S.Y. Lin, K.C. Yang, T.Y. Hu, K.H. Cho, EFFECT OF SURFACE HYDROPHOBICITY AND PARTICLE SIZE ON THE COFFEE RING FORMATION 11:50-12:10 D.V. Tatyanyenko , A.K. Shchekin EFFECTS OF ADSORPTION AND LINE TENSION ON CONTACT ANGLE OF LIQUID RIDGES AND SESSILE DROPLETS: THERMODYNAMICS AND AN INTERFACE DISPLACEMENT MODEL	<u>4th Section "Surfactants (IV Russian symposium on surfactants included)"</u> 11:20-11:50 Key Lecture, L.Ya. Zakharova , SELF-ASSEMBLING STRATEGY FOR THE FABRICATION OF POLYFUNCTIONAL NANOSYSTEMS BASED ON SURFACTANTS 11:50-12:10 E.K. Oikonomou , N. Christov, G. Cristobal, C. Bourgaux, L. Heux, J.-F. Berret, DESIGN OF ECO-FRIENDLY FABRIC SOFTENERS CONTAINING GUAR POLYMERS: PHYSICOCHEMICAL PROPERTIES AND DEPOSITION ON NANO- AND MICROCELLULOSE FIBERS
12:10-12:30 A.A. Kuchierskaya , A.A. Novikov, A.P. Semenov, M.A. Anisimov, EFFECTS OF HYDROTROPES ON LIQUID-LIQUID WATER-OIL EQUILIBRIA 12:30-12:50 A.A. Novikov , M.V. Gorbachevskiy, D.S. Kopitsyn, M.S. Kotelev, E.V. Ivanov, V.A. Vinokurov, AGGREGATED GOLD NANOPARTICLES DEMONSTRATE INCREASED SURFACE-ENHANCED RAMAN SCATTERING ACTIVITY IN PRESENCE OF HYDROGEN PEROXIDE	12:10-12:30 V.A. Kuvshinov , L.K. Altunina, ADHESION MODEL FOR DISPLACEMENT OF RESIDUAL OIL BY SURFACTANT SOLUTION 12:30-12:50 V.V. Arslanov , E.V. Ermakova, M.A. Kalinina, MULTIFUNCTIONAL BILAYER TEMPLATES FOR GROWTH AND ALIGNMENT OF THIN HYBRID FILMS	12:10-12:30 N.A. Volkov , A.K. Shchekin, MOLECULAR DYNAMICS STUDY OF STRUCTURAL AND TRANSPORT PROPERTIES OF IONIC MICELLAR SOLUTIONS IN SIMULATION BOXES OF DIFFERENT SIZE 12:30-12:50 M.Ahlskog , NANOCARBON SURFACES AND PHYSISORPTION OF AVIDIN PROTEIN
Lunch Time		
15:00-15:40 Plenary Lecture 2 , Prof. Mikhail A. Anisimov , University of Maryland (USA), DUALITY OF HYDROTROPES IN SOLUTION AND AT INTERFACE		
<u>3rd "Physicochemical mechanics and rheology of disperse systems"</u> 15:50-16:20 Key Lecture, Z. Skvortsova , V. Traskine, Ya. Simonov, METHODS FOR CONTROLLING PRESSURE SOLUTION RATE	<u>5th Section "Nucleation and formation of disperse systems"</u> 15:50-16:20 Key Lecture, D. Reguera , Ø. Wilhemsen, D. Bedeaux, NUCLEATION OF SMALL BUBBLES AND DROPLETS IN CONFINED SYSTEMS	<u>6th Section "Electrosurface phenomena"</u> 15:50-16:20 Key Lecture, A.N. Filippov , D.A. Petrova, S.A. Shkirskeya, MODELING ELECTROCONDUCTIVITY AND ELECTROSMOTIC PERMEABILITY OF ION-EXCHANGE MEMBRANE

16:20-16:40 C.I. Mendoza , A SEMIEMPIRICAL EXPRESSION FOR THE EFFECTIVE VISCOSITY OF MULTICOMPONENT SUSPENSIONS 16:40-17:00 B.V. Pokidko , F.V. Apekova, D.V. Proskurin, M.Y. Pletnev, STRUCTURING CLAY/POLYMER DISPERSIONS: THE EFFECT OF ELECTROLITE	16:20-16:40 A.E. Kuchma , A.K. Shchekin, D.S. Martyukova, A.V. Savin, NUCLEATION STAGE AT DEGASSING IN A GAS-LIQUID MIXTURE WITH ACCOUNT OF THE LAPLACE PRESSURE AND NONSTATIONARY DIFFUSION 16:40-17:00 Y. Wang, Z.Y. Han, Y. Wan , THERMALLY REDUCED GOLD NANOPARTICLES CONFINED BY ORDERED MESOPOROUS CARBON AS AN EFFICIENT CATALYST FOR SELECTIVE HYDROGENATION	16:20-16:40 A.S. Kuznetsova , L.E. Ermakova, A.V. Volkova, T.V. Antropova, STRUCTURAL AND ELECTROSURFACE PROPERTIES OF POROUS GLASSES OF VARIOUS COMPOSITION 16:40-17:00 K. Zhang, D. Reguera, J. Fraxedas, B. Sepulveda, M.J. Esplandiu , MICRO/NANOMACHINES SELF-PROPELLED BY CHEMICAL GRADIENTS: FROM ELECTROKINETICS TO DIFFUSION CONTROL MOTION
17:00-17:15 Coffee break		
3rd Section "Physicochemical mechanics and rheology of disperse systems" 17:15-17:35 O.A. Chikova , V.V. V'yukhin, A.N. Konstantinov, VISCOSITY IS A STRUCTURALLY SENSITIVE PROPERTY OF METALLIC MELTS 17:35-17:55 V.S. Molchanov , V.A. Pletneva, O.E. Philippova, STIMULI-RESPONSIVE WORMLIKE MICELLES/PARTICLES SOFT NANOCOMPOSITES	5th Section "Nucleation and formation of disperse systems" 17:15-17:35 M.Y. Pletnev , V.S. Erasov, V.A Panferova, STUDY OF HIGHLY STABLE AQUEOUS FOAMS CONTAINING BIOPOLYMER AND BENTONITE PARTICLES 17:35-18:05 Key Lecture, J.W.P. Schmelzer , CRYSTALLIZATION OF GLASS-FORMING MELTS: NEW ANSWERS TO OLD QUESTIONS	6th Section "Electrosurface phenomena" 17:15-17:35 A. Voitylov* , V. Shilov, M. Petrov, A. Trusov, V. Voitylov, ELECTRO-OPTICAL TECHNIQUE IN THE STUDY OF ELECTRIC PROPERTIES OF COLLOID PARTICLE SURFACE IN ELECTROLYTES 17:35-17:55 S.M. Tazhibayeva , A.B. Orazymbetova, K.B. Musabekov, A.A. Zhubanova, A.K. Kokanbaev, EFFECT OF Cu ²⁺ , Pb ²⁺ , Fe ³⁺ AND Cr ³⁺ IONS ON THE ELECTROKINETIC POTENTIAL OF MICROORGANISMS CELLS
1st Poster Session (Sections 1,2,5)		
Wednesday, September 12		
9:00-9:40 Plenary Lecture 3 , Prof. Vladimir F. Razumov , Institute of Problems of Chemical Physics of RAS (Moscow, Russia), STATISTICAL THERMODYNAMICS OF WATER-IN-OIL MICROEMULSIONS		
1st Section "Theoretical problems of colloid chemistry" 9:50-10:20 Key Lecture, K. Koga , SOLVATION OF HYDROPHOBIC PARTICLES IN AQUEOUS SOLUTION AND SOLVENT-MEDIATED INTERACTIONS VARYING WITH TEMPERATURE, PRESSURE, AND SALT CONCENTRATION 10:20-10:40 A.N. Filippov , HYDRODINAMIC PERMEABILITY OF CHARGED MEMBRANE: THE CELL MODEL 10:40-11:00 A.V. Nevidimov , V.F. Razumov, EFFECT OF STABILIZING LIGANDS ON THE DIPOLE-DIPOLE INTERACTIONS OF COLLOIDAL QUANTUM DOTS OF CADMIUM SELENIDE: A MOLECULAR DYNAMICS STUDY	2nd Section "Wetting, spreading and thin films" 9:50-10:20 Key Lecture , A.I. Zvyagina, I.N. Meshkov, A.A. Shiryaev, A.E. Baranchikov, V.V. Chernyshev, Yu.Yu. Enakieva, A.A. Ezhov, D.A. Grishanov, V.V. Arslanov, M.A. Kalinina , SELF-ASSEMBLY OF PORPHYRIN-BASED SURMOF FILMS DIRECTED BY GRAPHENE OXIDE TEMPLATES 10:20-10:40 E.V. Ermakova , E.O. Koroleva, A.G. Bessmertnykh-Lemeune, V.V. Arslanov, THIN-FILM OPTICAL SENSORS BASED ON "PUSH-PULL" PORPHYRINS FOR THE DETECTION OF MERCURY CATIONS IN AQUEOUS SOLUTIONS 10:40-11:00 N.A. Stepashkin , N.S. Ivanov, N.G. Sukhodolov, ELECTROCHEMICAL AND SURFACE PROPERTIES OF LANGMUIR-BLODGETT FILMS CONTAINING COBALT HEXACYANOFERRATE NANOPARTICLES	5th Section "Nucleation and formation of disperse systems" 9:50-10:20 Key Lecture, S.N. Shtykov , I.S. Reshetnikova, K.O. Kazimirova, O.R. Egunova, COLLOID MAGNETIC CORE-SHELL NANOPARTICLES: MODIFICATION AND APPLICATION IN CHEMICAL ANALYSIS 10:20-10:40 D.D. Ivanova , V.N. Kuryakov, M.A. Anisimov, NANOEMULSIONS OF PARAFFINS IN WATER STUDIED BY DYNAMIC AND STATIC LIGHT SCATTERING 10:40-11:00 Ya.V. Kudryavtsev , Y.I. Derikov, G.A. Shandryuk, A.A. Ezhov, STABILIZATION OF AU NANOPARTICLES IN THE DIBLOCK COPOLYMERS OF STYRENE AND VINYL PYRIDINE
11:00-11:20 Coffee break		
1st Section "Theoretical problems of colloid chemistry" 11:20-11:50 Key Lecture, Yu.K. Tovbin , SMALL SYSTEMS AND FUNDAMENTALS OF THERMODYNAMICS 11:50-12:10 A.V. Redkov , A.V. Osipov, S.A. Kukushkin, GROWTH OF A MULTICOMPONENT CRYSTAL DUE TO CHEMICAL REACTION: THE MODEL	4th Section "Surfactants (IV Russian symposium on surfactants included)" 11:20-11:50 Key Lecture , K.A. Emelyanova, A.I. Victorov , MOLECULAR-THERMODYNAMIC MODEL FOR DESCRIBING CHEMICAL EQUILIBRIUM AND MORPHOLOGY TRANSITIONS IN MICELAR SOLUTIONS 11:50-12:10 O.A. Soboleva , EFFECT OF DIFFERENT SURFACTANTS ON AGGREGATION STABILITY OF AQUEOUS DISPERSION OF DETONATION NANODIAMONDS	6th Section "Electrosurface phenomena" 11:20-11:50 Key Lecture, S. Barany , M. Manilo, IMPACT OF IONS NATURE/HYDRATION ON THE ELECTROPHORESIS AND SURFACE CONDUCTIVITY OF SOME COLLOIDS 11:50-12:10 V. Sobolev , I. Sergeeva. THE MOBILITY OF IONS IN THE "STAGNANT" LAYER
12:10-12:30 S.A. Tovstun , THEORY OF SIZE-SELECTIVE PRECIPITATION 12:30-12:50 A. Vishnyakov , K.P. Santo, A.V. Neimark, E. Brun, BUILDING THEORETICAL FOUNDATIONS OF NANOPARTICLE CHROMATOGRAPHY WITH MESOSCALE SIMULATIONS	12:10-12:30 O.V. Dement'eva , K.A. Naumova, S.K. Zhigletsova, M.V. Klykova, A.N. Somov, I.A. Dunaitsev, T.B. Roumyantseva, V.M. Rudoy, SURFACE ACTIVE DRUGS AS TEMPLATING AGENTS AT SOL-GEL SYNTHESIS OF MESOPOROUS SILICA NANOCONTAINERS 12:30-12:50 Z. Zhang , Z. Gao, J. Hao , ENGINEERING HYDROGELS FROM THE SIMPLE CHEMICALS	
Lunch Time		
2nd Poster Session (Sections 3,4,6)		
16:00-19.00 Excursion		
Thursday, September 13		

9:00-9:40 Plenary Lecture 4 , Prof. Toyoko Imae , Taiwan National University of Science and Technology (Taipei,Taiwan), DISPERSION OF NANOPARTICLES IN GELS OF SUGAR POLYMERS		
5th Section "Nucleation and formation of disperse systems" 9:50-10:20 Key Lecture, P.G. Vekilov , M.S. Safari, A. Kolomeisky, J.C. Conrad, NUCLEATION MECHANISM OF THE TUMOR SUPPRESSOR P53 10:20-10:40 I.V. Postnova, K.E. Gebe, S.S. Voznesenskiy, A.A. Sergeev, A.N. Galkina, Y.N. Kulchin, Yu.A. Shchipunov , SILICA-QUANTUM DOTS NANOCOMPOSITES WITH PHOTONIC PROPERTIES 10:40-11:00 N.A. Kasyanenko , I.N. Unksov, V.M. Bakulev, S. Santer, INFLUENCE OF SALT ON DNA-SURFACTANT INTERACTION IN SOLUTION	2nd Section "Wetting, spreading and thin films" 9:50-10:20 Key Lecture, V.G. Kulichikhin , A.Ya. Malkin SPREADING OF POLYMER SOLUTIONS AND EMULSIONS ON LIQUID SURFACES 10:20-10:40 I.N. Meshkov , M.S. Nickolsky, A.I. Zvyagina, A.G. Nugmanova, A.A. Shiryaev, Yu.Yu. Enakieva, V.V. Arslanov, M.A. Kalinina, APPLICATION OF D'YAKONOV METHOD TOWARDS LAYERED HIGHLY ORDERED THIN FILMS 10:40-11:00 M. Tomoaia-Cotisel , ADVANCED INNOVATIVE SCAFFOLDS MADE BY SELF-ASSEMBLED FILMS OF BIOMATERIAL NANOPARTICLES FOR CELL CULTURE APPLICATIONS	3rd Section "Physicochemical mechanics and rheology of disperse systems" 9:50-10:20 Key Lecture, A.G.Bykov , G. Loglio, R. Miller, B.A. Noskov, DYNAMIC SURFACE ELASTICITY OF PULMONARY SURFACTANT SOLUTIONS AT LOW SURFACE TENSIONS 10:20-10:40 T.S. Dembelova , D.N. Makarova, B.B. Badmaev, RHEOLOGICAL PROPERTIES OF COLLOID SUSPENSIONS OF NANOPARTICLES 10:40-11:00 A.K. Shukla , R.M.V.G.K. Rao, NOVEL EPOXY POLYELECTROLYTES – STUDY OF ION-EXCHANGE BEHAVIOUR AND ELECTRO-PHORETIC DEPOSITION OF NANO-COMPOSITES FROM AQUEOUS DISPERSION
5th Section "Nucleation and formation of disperse systems" 11:20-11:40 M.Y. Koroleva , O.S. Gorbachevski, E.V. Yurtov, NANOEMULSIONS AND SOLID LIPID PARTICLES FOR DRUG-DELIVERY 11:40-12:00 N.G. Voron'ko , S.R. Derkach, Yu.A. Kuchina, FORMATION OF POLYSACCHARIDE-GELATIN POLYELECTROLYTE COMPLEXES STUDIED BY UV, FTIR AND 1H NMR-SPECTROSCOPY	2nd Section "Wetting, spreading and thin films" 11:20-11:40 I.U. Vakarelski , R. Manica, D.Y.C. Chan, S.T. Thoroddsen, COALESCENCE DYNAMICS OF MOBILE AND IMMOBILE FLUID INTERFACES 11:40-12:00 A.I. Zvyagina , A.A. Ezhov, I.N. Meshkov, V.K. Ivanov, K.P. Birin, B. König, Yu.G. Gorbunova, V.V. Arslanov, M.A. Kalinina, PLASMON RESONANCE-ENHANCED ABSORPTION OF VISIBLE LIGHT IN ULTRATHIN HYBRID FILMS OF ORGANIC DYES AND GOLD NANOPARTICLES	3rd Section "Physicochemical mechanics and rheology of disperse systems" 11:20-11:40 E.A. Kirsanov , THE STRUCTURAL APPROACH TO RHEOLOGY OF DISPERSED SYSTEMS 11:40-12:00 V.V. Korolev , Ya.V. Kucherinenko, P.V. Protsenko, THE ROLE OF TORQUE TERMS IN CAPILLARY EQUILIBRIUM ALONG TRIPLE JUNCTIONS IN POLYCRYSTALLINE COPPER
12:00-12:20 D.S. Kolotova , S.R. Derkach, N.G. Voron'ko, A.Ya. Malkin, J. Sjöblom, KINETICS OF ISOTHERMAL CRYSTALLIZATION OF AQUEOUS DROPLETS IN LOW-CONCENTRATED WATER-IN-CRUDE OIL EMULSIONS 12:20-12:40 O.N. Khlebnikov , V.E. Silant'ev, Y.A. Shchipunov, DIMENSIONALLY STABLE AEROGELS OF MICROFIBRILLAR CELLULOSE 12:40-13:00 E.V. Mechtaeva , D.A. Gavrilova, I.M. Zorin, A.Yu. Bilibin, INTERACTION BETWEEN POLYACIDS (PAA, PAMPS) AND MULTIFUNCTIONAL AMINES	4th Section "Surfactants (IV Russian symposium on surfactants included)" 12:00-12:20 N.I. Malek , CHOLESTEROL INDUCED MICELLAR TRANSITION IN THE ESTER FUNCTIONALIZED IONIC LIQUID BASED SURFACTANT 12:20-12:40 D.R. Gabdrakhmanov, D.A. Samarkina, E.A. Vasilieva, F.G. Valeeva, I.Yu. Strobyskina, V.E. Kataev, L.Ya. Zakharova, AMPHIPHILIC AMMONIUM AND PHOSPHONIUM DERIVATIVES OF ISOSTEVIOL: FROM AGGREGATION BEHAVIOR TO BIOTECHNOLOGICAL POTENTIAL	12:00-12:20 O.Yu. Milyaeva , R. Miller, B.A. Noskov, DYNAMIC SURFACE PROPERTIES OF THE SOLUTIONS OF COMPLEXES BETWEEN LYSOZYME AND SILICA NANOPARTICLES 12:20-12:40 M.M. Krycki , B.A. Noskov, S.-Y. Lin, DYNAMIC SURFACE PROPERTIES OF MYOGLOBIN AQUEOUS SOLUTIONS: INFLUENCE OF GUANIDINE HYDROCHLORIDE AND IONIC SURFACTANTS 12:40-13:00 A.V. Shibaev , D.A. Muravlev, D.Yu. Mityuk, O.E. Philippova, PROPERTIES OF XANTHAN HYDROGELS CROSS-LINKED BY METAL IONS
Lunch time		
15:00-15:40 Plenary Lecture 5 , Prof. Alexander K. Shchekin , Saint-Petersburg State University (Saint-Petersburg, Russia), KINETIC THEORY OF THE NUCLEATION STAGE FOR MULTICOMPONENT DROPLETS AND BUBBLES		
5th Section "Nucleation and formation of disperse systems" 15:50-16:20 Key Lecture, E.M. Blokhuis , DENSITY FUNCTIONAL THEORY OF A CURVED LIQUID-VAPOUR INTERFACE: EVALUATION OF THE RIGIDITY CONSTANTS	4th Section "Surfactants (IV Russian symposium on surfactants included)" 16:00-16:20 E.N. Brodskaya , I.V. Kopanichuk, A.A. Vanin, MOLECULAR DYNAMICS SIMULATION STUDY OF SALT INFLUENCE ON ELECTRICAL PROPERTIES OF MICELLES 16:20-16:40 R.R. Kashapov , A.Y. Ziganshina, J.S. Razuvayeva, T.Y. Sergeeva, S.S. Lukashenko, L.Y. Zakharova, SUPRAMOLECULAR SELF-ASSEMBLY OF CALIX[4]RESORCINOL-BASED AMPHIPHILES	3rd Section "Physicochemical mechanics and rheology of disperse systems" 16:00-16:20 A. Akentiev , S.-Y. Lin, B.A. Noskov, THE FILMS OF POLY(-N-ISOPROPYLACRYLAMIDE) NANOPARTICLES ON THE WATER SURFACE STUDIED BY SURFACE RHEOLOGY 16:20-16:40 D. Artykova , B.Tyusupova, S.Tazhibaeva, K.Musabekov, INVESTIGATION OF RHEOLOGICAL PROPERTIES OF CERAMIC PASTES FROM KOSKUDYK KAOLINITE
16:20-16:40 D. Suh , K. Yasuoka, HETEROGENEOUS NUCLEATION OF WATER ON INSOLUBLE PARTICLES BY MOLECULAR DYNAMICS 16:40-17:00 T.S. Lebedeva , A.K. Shchekin, NUMERICAL DFT STUDY OF SMALL EQUILIBRIUM DROPLETS ON CHARGED AND NEUTRAL PARTICLES	16:40-17:00 E.A. Safonova , A.S. Koneva, I.V. Smirnova, SOLUBILIZATION PHENOMENA IN BIPHASIC OR HOMOGENOUS AQUEOUS SOLUTIONS OF NONIONIC SURFACTANTS. EFFECTS OF ADDITIVES' NATURE AND OF SOLUTES' STRUCTURE	
17:00-17:15 Coffee break		

17:15-17:35 S. Ayuba , K. Nomura, D. Suh, K. Yasuoka, KINETIC ANALYSIS OF HOMOGENEOUS DROPLET NUCLEATION IN DILUTE SYSTEM USING LARGE SCALE MOLECULAR DYNAMICS SIMULATION 17:35-17:55 V.G. Dubrovskii , F. Glas, G. Patriarche, F. Panciera, J.C. Harmand, SELF-REGULATED NUCLEATION, TRUNCATED FACETS AN THEIR ROLE IN THE MORPHOLOGY AND CRYSTAL PHASE OF III-V SEMICONDUCTOR NANOWIRES	17:15-17:35 Yu.G. Bogdanova , V.D. Dolzhikova, V.G. Sergeyev, INFLUENCE OF SURFACTANTS ON WATER SORPTION OF NAFION MEMBRANES 17:35-17:55 A.L. Kwiatkowski , V.S. Molchanov, O.E. Philippova, HYBRID WORMLIKE MICELLES OF ANIONIC SURFACTANT EMBEDDED WITH HYDROPHOBIC POLYMER
Free time	
Banquet 19:00	
Friday, September 14	
9:00-9:40 Plenary Lecture 6 , Prof. Alexander Malkin, A.N.Frumkin Institute of Physical Chemistry and Electrochemistry RAS (Moscow, Russia), WHAT IS THE REHBINDER EFFECT (TO 90TH ANNIVERSARY OF THE DISCOVERY)	
1st Section "Theoretical problems of colloid chemistry" 9:50-10:20 Key Lecture, G.Yu. Gor , ADSORPTION-INDUCED MECHANICAL STRESSES: EFFECTS ON THE SOLID AND ON THE FLUID 10:20-10:40 N.O. Shaparenko , M.G. Demidova, D.I. Becketova, A.I. Bulavchenko, INFLUENCE OF AOT MICROEMULSIONS COMPOSITION ON HYDRODYNAMIC DIAMETER AND ELECTROPHORETIC MOBILITY OF TIO2 NANOPARTICLES 10:40-11:00 A.P. Semenov , A.A. Kuchierskaya, A.A. Novikov, M.A. Anisimov, EFFECTS OF TEMPERATURE ON INTERFACIAL TENSION AND CRITICAL PHENOMENA IN THE TERNARY SYSTEM OF WATER - TERT-BUTANOL - CYCLOHEXANE	5th Section "Nucleation and formation of disperse systems" 9:50-10:20 Key Lecture, G. Salazar-Álvarez , E. Wetterskog, FROM SYNTHESIS TO LARGE, ORDERED SELF-ASSEMBLED ARRAYS OF NANOPARTICLES 10:20-10:40 P.A. Fetin , I.M. Zorin, A.A. Lezov, A.Yu. Bilibin, DISPERSIONS OF INTERPOLYELECTROLYTE COMPLEXES FORMED BY MONOMER POLYMERIZATION IN SELF-ORANAZED STATE 10:40-11:00 N.N. Gavrilova , V.V. Nazarov, SYNTHESIS AND PROPERTIES OF CeO2-ZrO2 «LYOPHYLIC» HYDROSOLS
11:00-11:20 Coffee break	
4th Section "Surfactants (IV Russian symposium on surfactants included)" 11:20-11:40 Y.-Ch. Su, Ch.-H. Chang , PHYSICAL PROPERTIES OF CATANIONIC VESICLE AND PACKING CHARACTERISTICS OF VESICULAR BILAYER FORMED OF A TRIHEXADCYL-CHAINED ION PAIR AMPHIPHILE WITH CHOLESTEROL 11:40-12:00 L.K. Altunina , V.A. Kuvshinov, L.A. Stasyeva, I.V. Kuvshinov, OIL-DISPLACING SYSTEMS BASED ON SURFACTANTS AND COMPLEX COMPOUNDS TO ENHANCE OIL RECOVERY OF HEAVY OILS 12:00-12:20 M.A. Gradova , O.V. Gradov, A.V. Lobanov, THE INFLUENCE OF SURFACTANTS ON PHOTOPHYSICAL PROPERTIES AND PHOTODYNAMIC ACTIVITY OF PORPHYRIN-BASED PHOTSENSITIZERS	11:20-11:40 M.A. Myachina , N.N. Gavrilova, V.V. Nazarov, SYNTHESIS OF MOLYBDENUM BLUES DISPERSIONS USING HYDROQUINONE AS REDUCING AGENT 11:40-12:00 D.K. Satapathy , P. M. Geethu, Indresh Yadav, V. K. Aswal, INFLUENCE OF POLYMERS AND ALCOHOLS ON THE ELASTIC BENDING CONSTANTS OF REVERSE MICROEMULSIONS 12:00-12:20 Yu.A. Eroshkin , EXTENSION OF THE ANALYTICAL CALCULATION OF THE FAST RELAXATION SPECTRUM IN MICELLAR SOLUTIONS
12:20-12:40 Closing the Conference	