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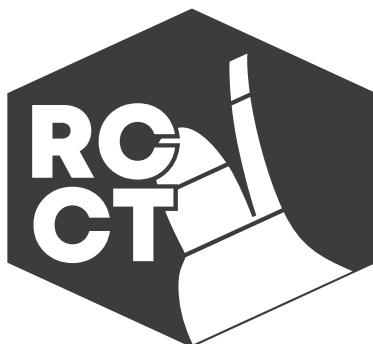
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**XXV INTERNATIONAL CONFERENCE
ON CHEMICAL THERMODYNAMICS IN RUSSIA
(RCCT 2026)**

Program of the XXV International Conference
on Chemical Thermodynamics in Russia (RCCT-2026)

June 29 – July 3, 2026



Ekaterinburg
Ural Federal University
2026

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INTERNATIONAL CONFERENCE ON CHEMICAL THERMODYNAMICS IN RUSSIA

June 29 - July 3, 2026
Ekaterinburg, Russia

Monday, June 29

11.00-14.00	Registration
14.00-15.20	Opening ceremony

Plenary Lectures (700) (Stolyarova V.L., Gavrichev K.S.)

15.20-16.00	SCIENTIFIC SCHOOL OF ACADEMICIAN Y.D. TRETYAKOV IN THERMODYNAMICS AND MATERIALS SCIENCE <i>Goodilin E.A., Lukashin A.V.</i> Moscow State University, Moscow; Institute of General and Inorganic Chemistry of RAS, Moscow
16.00-16.40	SCIENTIFIC LEGACY OF NATALIA SMIRNOVA: PHYSICAL CHEMISTRY FROM THE PERSPECTIVE OF MOLECULAR THERMODYNAMICS <i>Victorov A.I.</i> Saint Petersburg State University, St. Petersburg
16.40-17.20	ON THE 75 TH ANNIVERSARY OF THE DEPARTMENT OF CHEMICAL THERMODYNAMICS AND KINETICS OF SAINT PETERSBURG STATE UNIVERSITY <i>Toikka A.M.</i> Saint Petersburg State University, Saint Petersburg
17.20-17.50	Honoring the laureates of the G.F. Voronin award for young scientists
17.50-18.30	A SEMI-EMPIRICAL MOLECULAR APPROACH TO THE THERMODYNAMIC MODELING OF AQUEOUS SOLUTIONS OF NON-POLAR GASES AT INFINITE DILUTION <i>Novikov A.A.</i> Moscow State University, Moscow
18.30-20.30	Welcome Party



INTERNATIONAL CONFERENCE ON CHEMICAL THERMODYNAMICS IN RUSSIA

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Tuesday, June 30

Plenary Lectures (700) (Stolyarova V.L., Khvan A.V.)

9.00-9.40	QUASI-EQUILIBRIUM OXYGEN RELEASE METHOD FOR STUDYING MATERIALS WITH MIXED IONIC - ELECTRONIC CONDUCTIVITY <i>Nemudry A.P.</i> Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk
9.40-10.20	CHEMICAL THERMODYNAMIC STUDY OF ENERGY MATERIALS <i>Shi Quan</i> Thermochemistry Laboratory, Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Liaoning Province Key Laboratory of Thermochemistry for Energy and Materials, Dalian Technology Innovation Center for Energy Materials Thermodynamics, Dalian
10.20-11.00	CONFORMATIONAL EQUILIBRIA AT THE CRYSTAL-SUPERCRITICAL FLUID INTERFACE <i>Kiselev M.G., Oparin R.D., Ivlev D.V., Dyshin A.A., Khodov I.A., Shagurin A., Idrissi A.</i> G.A. Krestov Institute of Solution Chemistry RAS, Ivanovo; University of Lille, Lille
11.00-11.40	THERMODYNAMIC MODELLING: FROM THERMODYNAMIC DATABASE TO INDUSTRIAL PROCESS SIMULATION <i>Khvan A.V.</i> Lomonosov Moscow State University, Moscow
11.40-11.55	Аналитическое оборудование из Китая сегодня. Обзор текущих возможностей, а также современные решения в области термоанализа <i>Соколов Александр Владимирович</i> ООО «Сибирские аналитические системы»
11.55-12.25	Coffee Break

Tuesday, June 30	S1: Fundamental issues and new challenges in chemical thermodynamics (204) (Toikka A.M., Zuev A.Yu.)	S2: Thermodynamic properties and processes in solids (304) (Bespyatov M.A., Tsvetkov D.S.)	S3: Thermodynamic properties and processes in solutions and fluids (402) (Kiselev M.G., Oparin R.D.)	S4: Thermodynamics of heterogeneous systems, surfaces, interphase and membrane processes, and nanoscale systems (700) (Cherepanov V.A., Zelenina L.N.)	S6: Thermodynamic aspects of synthesizing, analyzing and predicting the properties of novel materials (430) (Gorbatchuk V.V., Krasilin A.A.)
12.25-12.40	MULTIREACTION APPROACH TO QUANTUM THERMOCHEMISTRY <i>Irikura K.K.</i>	LOW-TEMPERATURE THERMODYNAMIC PROPERTIES OF SINGLE CRYSTALS OF DOUBLE ALKALI METAL MOLYBDATES <i>Bespyatov M.A., Trifonov V.A., Khokhlov N.A., Shevelev D.S., Nazarova A.A., Kuzin T.M., Gelfond N.V.</i>	ANION EFFECTS ON THE DYNAMICS OF DEEP EUTECTIC SOLVENTS BASED ON TRIS SALTS AND ETHYLENE GLYCOL <i>Agieienko V., Kovshov E., Temriukova L., Kazarina O., Buchner R.</i>	DIFFERENT STATES OF WATER IN α -, β -, AND γ -CYCLODEXTRIN HYDRATES <i>Zelenina L.N., Chusova T.P., Rodionova T.V., Manakov A. Yu., Laventosa Yu.D.</i>	INVESTIGATION OF THE THERMODYNAMIC STABILITY OF ULTRASTABLE GLASSES BY SOLUTION CALORIMETRY AND DSC <i>Balakhontsev I.S., Yagofarov M.I.</i>
12.40-12.55			CRITICAL TEMPERATURES, PRESSURES, THERMAL DIFFUSIVITIES, AND HEAT CAPACITIES OF ALKYL LACTATES <i>Bogatishcheva N.S., Nikitin E.D., Popov A.P., Romanov I.S., Faizullin M.Z.</i>		THERMODYNAMICS OF GUEST INCLUSION BY POLYMORPHS OF NATIVE CYCLODEXTRINS <i>Gatiatulin A.K., Ziganshin M.A., Gorbatchuk V.V.</i>
12.55-13.10	PROBLEMS OF THERMODYNAMIC ANALYSIS OF EUTECTIC SYSTEMS <i>Toikka A.M., Misikov G.Kh., Petrov A.V., Toikka M.A.</i>	CALORIMETRIC STUDY OF HYDROGEN REACTION WITH LAVES PHASE C14 <i>Anikina E. Yu.</i>	EFFECT OF THE SATURATION DEGREE OF A NANOCRYSTALLINE CELLULOSE AEROGEL WITH MEFENAMIC ACID ON THE PROBABILITY OF ITS REACTION WITH SUPERCRITICAL CARBON DIOXIDE WITHIN THE AEROGEL PORES <i>Oparin R.D., Dyshin A.A., Kiselev M.G.</i>	DYNAMIC SURFACE ELASTICITY OF DISPERSIONS OF OVALBUMIN FIBRILS <i>Akentieva A.V., Shegay V.A., Noskov B.A.</i>	FORMATION THERMODYNAMICS FOR IPRONIAZID MULTICOMPONENT CRYSTALS WITH DIHYDROXYBENZOIC ACIDS <i>Drozd K.V., Ramazanova A.G., Shmukler L.E., Perlovich G.L.</i>
13.10-13.25	NEW VOLUMETRIC CHARACTERISTIC FOR SOLUTION THERMODYNAMICS <i>Kadtsyn E.D., Koshelev L.D., Ved'kal A.V., Nichiporenko V.A., Medvedev N.N.</i>	EXPERIMENTAL INVESTIGATION OF HOMOGENEITY REGIONS AND THERMODYNAMIC PROPERTIES OF G PHASE IN QUATERNARY Ni-{Mn, M}-Si SYSTEMS (M = Fe, Ti, Cr, Nb) <i>Bajenova I.A., Khvan A.V., Cheverikin V.V., Dzuban A.V.</i>	SOLVATION PROPERTIES OF PROTIC IONIC LIQUIDS WITH DIFFERENT NANOHETEROGENEOUS STRUCTURE <i>Magsumov T.I., Chumakov Y.E., Gainutdinov B.R., Sedov I.A.</i>	OSMOLYTE-MODULATED DIFFERENTIAL CAPACITANCE AND DISJOINING PRESSURE IN NANOCONFINED ELECTROLYTES <i>Vasileva V.A., Mazur D.A., Brandyshev P.E., Budkov Y.A.</i>	THERMODYNAMIC AND ELECTRONIC FACTORS GOVERNING STABILITY OF CYCLOTRIPHOSPHAZENES <i>Egorov S.S., Selyutin A.A.</i>
13.25-14.30	Lunch Break				

Tuesday, June 30	S1: Fundamental issues and new challenges in chemical thermodynamics (204) (Budkov Yu.A., Solomonov B.N.)	S2: Thermodynamic properties and processes in solids (304) (Gavrichev K.S., Bissengaliyeva M.R.)	S3: Thermodynamic properties and processes in solutions and fluids (402) (Volkov N.A., Postnikov E.B.)	S4: Thermodynamics of heterogeneous systems, surfaces, interphase and membrane processes, and nanoscale systems (700) (Victorov A.I., Konstantinova N.M.)	S6: Thermodynamic aspects of synthesizing, analyzing and predicting the properties of novel materials (430) (Markin A.V., Sereda V.V.)
14.30-14.45	HEAT CAPACITY AND VISCOSITY OF GLASSES AND MELTS IN THE SYSTEM Al_2O_3 -CaO-MgO-SiO ₂ -TiO ₂ <i>Zhomin G.M., Arkhipin A.S., Kondratiev A.V.</i>	STRUCTURE-PROPERTY RELATIONSHIP IN SUBSTITUTED BENZENES: MULTIFIDELITY METHODS TO QUANTIFY AND UNDERSTAND INTERACTIONS AMONG SUBSTITUENTS ON THE BENZENE RING <i>Vecchio Cipriotti S., Silva Ferraz J.M., Samarov A.A., Verevkin S.P.</i>	EXPERIMENTAL INDICATION OF TRANSITION BETWEEN NADES AND MINAC <i>Vanina A.S., Postnikov E.B.</i>	MODELING OF ADSORPTION LAYERS ON NANOPARTICLES IN AQUEOUS SOLUTIONS OF NONIONIC SURFACTANTS <i>Sorina P.O., Victorov A.I.</i>	INFLUENCE OF MOLECULAR SYMMETRY ON THE ENERGY OF VAPORIZATION OF ETHYLENE GLYCOL ETHERS AND C ₁ -C ₁₀ ALCOHOLS <i>Emelyanov V.V., Elbakari A.V., Vostrikov S.V., Verevkin S.P.</i>
14.45-15.00	THE ELECTRIC FIELD IN A HYDROGEN MOLECULE <i>Kochnev V.K.</i>		ALL-ATOM MOLECULAR DYNAMICS MODELLING OF SURFACTANTS IN SOLUTIONS <i>Volkov N.A.</i>	STUDY OF THE CHEMICAL POTENTIAL OF WATER IN SMECTITE CLAYS <i>Lenev D.Yu., Pisarev V.V.</i>	STANDARD REFERENCE MATERIALS OF THE MELTING POINT OF PURE ORGANIC SUBSTANCES IN THE RANGE FROM +40 TO +250 °C <i>Kazartsev Ya.V., Mishina K.A., Korchagina E.N.</i>
15.00-15.15	THERMODYNAMIC ANALYSIS OF MODERN APPROACHES TO UNDERSTANDING THE NATURE OF DEEP EUTECTIC SOLVENTS <i>Misikov G.Kh., Petrov A.V., Toikka A.M.</i>	SOLID-PHASE SYNTHESIS OF TERBIUM AND DYSPROSIUM DOUBLE TITANATES AND THEIR THERMODYNAMIC PROPERTIES <i>Taimassova S.T., Bissengaliyeva M.R., Bespyatov M.A., Gogol D.B., Sadyrbekov D.T.</i>	STABILITY OF GOLD(III) COMPLEXES WITH VARIOUS N,O-DONOR LIGANDS INCLUDING HYDRAZONES, MACROCYCLES AND BIOMOLECULES <i>Gamov G.A., Yarullin D.N., Logacheva O.I., Zavalishin M.N.</i>	INTERPOLYMER REACTIONS AND PHASE BEHAVIOR IN THE LIGNOSULFONATE-CHITOSAN SYSTEM WITH THE FORMATION OF POLYELECTROLYTE COMPLEXES <i>Lugovitskaya T.N., Sharipova U.R., Berseneva D.Yu., Gladysheva M.A., Rogozhnikov D.A.</i>	ENERGY THEORY OF SCROLLING: A TOOL FOR LAYERED COMPOUND MORPHOLOGY FORECAST <i>Danilova E.E., Stroganova A.O., Bogdanov V.S., Ivanova A.A., Khrapova E.K., Krasilin A.A.</i>
15.15-15.30	MODELLING THE EFFECTS OF COUNTERION CONDENSATION AND CHAIN STRUCTURE IN AQUEOUS POLYELECTROLYTE SOLUTION WITH ADDED SALT <i>Nikiforova K.V., Victorov A.I.</i>	ADDITIVE MANUFACTURING AND THERMODYNAMICS <i>Cheverikin V.V.</i>	FREE ENERGY OF A SOLVENT MOLECULE: CONVENTIONAL IDEAL GAS APPROXIMATION VS. EXPERIMENTAL THERMODYNAMIC DATA <i>Eliseev E.A., Velmiskina J.A., Krivoshchapov N.K., Malyshev V.I., Medvedev M.G.</i>	POLYMORPHISM OF 4,7-DIPHENYL-2,1,3-BENZOTHIADIAZOLE DERIVATIVE CRYSTALS <i>Postnikov V.A., Sorokin T.A., Yurasik G.A., Kulishov A.A., Sorokina N.I., Borshchev O.V.</i>	SYNTHESIS OF AlBiZnSnGa ALLOYS AND STUDY OF THEIR PROPERTIES <i>Lelyukh S.A., Ilinykh N.I., Gelchinsky B.R., Rempel A.A.</i>
15.30-15.45	RELATIONSHIPS BETWEEN ENTHALPY AND VOLUME CHANGES ON MELTING OF ORGANIC NON-ELECTROLYTES <i>Sokolov A.A., Solomonov B.N., Yagofarov M.I.</i>	ENCAPSULATION OF THE ANESTHETIC SEVOFLURANE BY TERT-BUTYL CALIX[4]ARENE DERIVATIVE <i>Gabdulhaev M.N., Gatiatulin A.K., Ziganshin M.A., Gorbachuk V.V.</i>	THERMAL EFFECTS OF CAESIUM ACETATE SOLVATES DISSOLUTION AND THE RELATIONSHIP OF STRUCTURE AND PROPERTIES <i>Pestova O.N., Simonova V.M., Mukhin K.A.</i>	THERMODYNAMIC PROPERTIES OF TELLURIUM ALLOYS WITH d-ELEMENTS – NICKEL, IRON, MOLYBDENUM, CHROMIUM <i>Markelov V.I., Volkovich V.A., Polovov I.B., Ivanov V.A., Rebrin O.I.</i>	STABILITY FIELD OF ENTHALPICALLY STABILIZED COMPOUNDS OF VARIABLE COMPOSITION WITH PYROCHLORE STRUCTURE IN THE Bi ₂ O ₃ -Fe ₂ O ₃ -WO ₃ -(H ₂ O) SYSTEM <i>Lomakin M.S., Proskurina O.V.</i>

15.45-16.00	LIGAND-MEDIATED REGULATION OF SERUM ALBUMIN FIBRIL FORMATION <i>Khaibrakhmanova D.R., Nikiforova A.A., Sedov I.A.</i>	HEAT CAPACITY OF $\text{Ca}_2\text{Ga}_{2-x}\text{Fe}_x\text{GeO}_7$ ($x = 0; 0.05$) <i>Denisova L.T., Galiakhmetova N.A., Vasil'ev G.V.</i>	WATER ACTIVITY MODELS FOR CHARACTERIZING TRANSITIONS BETWEEN DEEP EUTECTIC SOLVENTS AND REGULAR SOLUTIONS <i>Postnikov E.B.</i>	SURFACE TENSION OF VAPOUR PHASE NUCLEI IN OXYGEN-NITROGEN SOLUTIONS <i>Kaverin A.M., Andbaeva V.N., Pankov A.S.</i>	MODELING OF ELECTRIC DOUBLE LAYER ON A METAL-ELECTROLYTE INTERFACE IN THE FRAMEWORK OF SELF-CONSISTENT FIELD THEORY <i>Mazur D.A., Brandyshev P.E., Doronin S.V., Budkov Y.A.</i>
16.00-16.30	Coffee Break				
Tuesday, June 30	S1: Fundamental issues and new challenges in chemical thermodynamics (204) (Yagofarov M.I.)	S2: Thermodynamic properties and processes in solids (304) (Gelfond N.V., Zherikova K.V.)	S3: Thermodynamic properties and processes in solutions and fluids (402) (Tkachev N.K., Safonova E.A.)	S4: Thermodynamics of heterogeneous systems, surfaces, interphase and membrane processes, and nanoscale systems (700) (Verevkin S.P.)	S6: Thermodynamic aspects of synthesizing, analyzing and predicting the properties of novel materials (430) (Movenko D.A., Mazurin M.O.)
16.30-16.45	THERMODYNAMIC FOUNDATIONS OF BIOSYNTHETIC FUEL TECHNOLOGIES: OVERCOMING CHALLENGES IN BIOMASS HYDROGENATION AND HYDRODEOXYGENATION <i>Vostrikov S.V., Verevkin S.P.</i>	REFINEMENT OF THE AgI- Ag_2WO_4 PHASE DIAGRAM <i>Vatlin D.A., Reznitskikh O.G., Urusova N.V., Bushkova O.V.</i>	HIGH-ENTROPY Li-Na-K FLUORIDE-CHLORIDE MELTS FOR MOLTEN SALT REACTORS <i>Tkachev N.K.</i>	SUBLIMATION THERMODYNAMICS OF SOME PHENYL-SUBSTITUTED PORPHYRINS <i>Kaplin A.S., Motalov V.B., Korobov M.A., Dunaev A.M.</i>	MIXED ADSORPTION LAYERS OF CHITOSAN AND COLLAGEN <i>Milyaeva O.Yu., Rafikova A.R.</i>
16.45-17.00	COMPENSATION RELATIONSHIP IN THERMODYNAMICS OF GAS-PHASE MOLECULAR COMPLEXATION <i>Khisamiev M.B., Solomonov B.N., Sokolov A.A., Yagofarov M.I.</i>	INFLUENCE OF TEMPERATURE AND OXYGEN PRESSURE ON THE STABILITY OF BARIUM-SUBSTITUTED NEODYMIUM MANGANITES <i>Vedmid' L.B., Fedorova O.M.</i>	THERMODYNAMIC PROPERTIES OF SUBSURFACE MONOLAYERS AND STRUCTURAL ASSIGNMENTS OF BULKY AGGREGATES BASED ON DICATIONICS <i>Mikhailov V.A.</i>	EFFECT OF THE MONOLAYER FORMATION ON THE pK_a OF CARBOXYLIC ACIDS AT THE AIR/WATER INTERFACE WITHIN QUANTUM CHEMICAL APPROACH <i>Kartashynska E.S.</i>	THE ESTIMATION OF Ni-BASED SUPERALLOYS THERMODYNAMIC CHARACTERISTICS <i>Movenko D.A., Zaycev D.V., Gulyaev A.I.</i>
17.00-17.15	SENSOR NETWORK APPROACH FOR MODELING THERMODYNAMIC PROPERTIES OF ADSORPTION SYSTEMS WITH MANY-BODY INTERACTIONS <i>Karpova A.V., Gorbunov V.A., Uliankina A.I., Akimenko S.S.</i>	MANUFACTURING OF ZrO_2 BASED TETRAGONAL AND CUBIC SOLID SOLUTIONS WITH LANTHANIDE OXIDES: THE EFFECT OF XEROGELS AND PRECURSOR POWDERS PROPERTIES <i>Lomakina T.E., Konakov V.G.</i>	PHYSICAL PROPERTIES OF Al-Ni-Co-Cu-Zr AND Al-Ni-Co-Fe-Cr HIGH-ENTROPY ALLOYS IN SOLID AND LIQUID STATES <i>Rusanov B.A., Simonov D.K., Sidorov V.E.</i>		TOWARDS UNDERSTANDING THE IMPACT OF SURFACE MATERIAL PROPERTIES ON CONFINED ILL BEHAVIOR <i>Nesterova I.S., Budkov Y.A., Khlyupin A.N.</i>
17.15-17.30		EXPERIMENTAL STUDY OF THE THERMODYNAMICS OF SOLID-STATE REACTIONS <i>Voronin M.V., Osadchii E.G., Brichkina E.A.</i>	LONG-TERM RELAXATION PROCESSES IN Ga-REM MELTS <i>Rusanova A.I., Son L.D., Rusanov B.A.</i>		MODELING STRUCTURE AND PROPERTIES OF DOPED MANGANITES <i>Permiakova A.E., Antropov A.S., Ostroushko A.A.</i>

17.30-17.45		<p>THERMODYNAMIC PROPERTIES OF REE STANNATES</p> <p><i>Ryumin M.A., Tyurin A.V., Nikiforova G.E., Gavrichev K.S.</i></p>	<p>SALTING-OUT IN AQUEOUS SOLUTIONS OF AMINO ACID IONIC LIQUIDS WITH DIFFERENT ADDITIVES</p> <p><i>Safonova E.A., Yarchenko P.S., Korchak P.A., Gotlib I.Yu., Victorov A.I.</i></p>		
17.45-18.00		<p>SYNTHESIS AND THERMODYNAMIC STUDY OF COMPOUNDS BASED ON BISMUTH, LUTETIUM AND INDIUM OXIDES</p> <p><i>Semerikova A.N., Matskevich N.I., Rozhina M.Yu., Dobretsov P.A.</i></p>			

Tuesday, June 30
18.00-20.00 Poster Session

S1: Fundamental issues and new challenges in chemical thermodynamics

1	STUDY OF THE CHEMICAL POTENTIAL CONCENTRATION DEPENDENCE FOR BINARY MIXTURES IN MOLECULAR DYNAMICS MODELS <i>Koshelev L.D., Kadtsyn E.D.</i> Novosibirsk State University, Novosibirsk; Voevodsky Institute of Chemical Kinetics and Combustion, SB RAS, Novosibirsk
2	IMPACT OF ORGANIC CATIONS ON THE THERMAL STABILITY OF ALBUMIN <i>Khaibrakhmanova D.R., Pokhilenko A.A., Varlamov T.V., Sedov I.A.</i> Kazan Federal University, Kazan
50	DEFINITION OF METASTABLE REGIONS BELOW THE LIQUIDUS TEMPERATURE T_L AND SOLIDUS TEMPERATURE T_S ON A EUTECTIC PHASE DIAGRAM <i>Frolova S.A., Sobol O.V., Pokintelitsa E.A.</i> DonNACEA – MGSU Branch, Makiivka

S2: Thermodynamic properties and processes in solids

3	THE 3 rd -GENERATION CALPHAD MODEL FOR SOLID AND LIQUID Ge AND THE BINARY Ge-Si SYSTEM <i>Konstantinova N.M., Bajenova I.A., Khvan A.V., Uspenskaya I.A.</i> Moscow State University, Moscow
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S3: Thermodynamic properties and processes in solutions and fluids

4	MIXING OF SMALL VOLUMES OF LIQUIDS BY CONVECTIVE FORCES INDUCED BY LOCALIZED HEATING <i>Fahmy A., Zaitsev A.S., Kiziridi V.G., Egorov R.I.</i> National Research Tomsk Polytechnic University, Tomsk
5	EXPERIMENTAL STUDY OF THE DEPENDENCE OF THERMODYNAMIC PROPERTIES OF THE (PROPANOL-1 + N-OCTANE) SYSTEM IN LIQUID, GASEOUS, AND SUPERCRITICAL STATES <i>Bazaev E.A., Bazaev A.R., Osmanova B.K., Dzhabbarov T.A.-G.</i> Institute for Geothermal Research and Renewable Energy of the Joint Institute for High Temperatures RAS, Makhachkala
6	THERMODYNAMIC MODELING AND CALCULATION OF PHASE EQUILIBRIA IN TERNARY WATER-SALT SYSTEMS CONTAINING K^+ , NH_4^+ , SO_4^{2-} AND/OR NO_3^- IONS <i>Belova E.V., Knyazenko G.A., Kurdakova S.V.</i> Moscow State University, Moscow
7	STUDY OF THE PICOLINIC ACID INHIBITING EFFECT MECHANISM ON THE ASCORBIC ACID OXIDATION <i>Ved'kal A.V., Kadtsyn E.D.</i> SRF SKIF, Koltsovo; Novosibirsk State University, Novosibirsk; Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
8	MONTE CARLO STUDY OF THERMODYNAMIC AND STRUCTURAL PROPERTIES OF A LENNARD-JONES FLUID AT DIFFERENT TEMPERATURES <i>Volkov N.A., Tarakanov A.V.</i> St. Petersburg State University, Saint Petersburg
9	EVALUATION OF IONIC LIQUIDS FOR THIOPHENE/HYDROCARBON SEPARATION <i>Chumakov Y.E., Gainutdinov B.R., Sedov I.A.</i> Kazan Federal University, Kazan

10	<p>THERMAL STABILITY OF HYDROGEN SULFATE PROTIC IONIC LIQUIDS <i>Gainutdinov B.R., Chumakov Y.E., Magsumov T.I., Sedov I.A.</i> Kazan Federal University, Kazan</p>
11	<p>THERMODYNAMIC PARAMETERS OF PROTOLYTIC EQUILIBRIA FOR SOME AMINO ACIDS AND DIPEPTIDES IN AQUEOUS SOLUTIONS <i>Gridchin S.N.</i> Ivanovo State University of Chemistry and Technology, Ivanovo</p>
12	<p>THERMODYNAMIC CHARACTERISTICS OF AMMONIUM ION SOLVATION IN N-METHYLPYRROLIDONE–WATER SOLUTIONS <i>Demidov M.P., Novikov A.N., Kostyleva E.I., Arngold V.A., Selina V.A., Kiryuhina A.S.</i> Novomoskovsk Institute, Mendeleev University of Chemical Technology, Novomoskovsk</p>
13	<p>HEAT CAPACITY OF THREE-COMPONENT SYSTEMS CONTAINING AMMONIUM IODIDE, N-METHYLPYRROLIDONE AND WATER <i>Demidov M.P., Novikov A.N., Kostyleva E.I., Arngold V.A., Selina V.A., Gubina K.P.</i> Novomoskovsk Institute, Mendeleev University of Chemical Technology, Novomoskovsk</p>
14	<p>A NEW METHOD FOR RECRYSTALLIZING FLUFENAMIC ACID FROM POLYMORPH I TO POLYMORPH III <i>Kuzmikov M.S., Dyshin A.A., Oparin R.D., Kiselev M.G.</i> Institute of Solution Chemistry of the RAS, Ivanovo</p>
15	<p>MOLECULAR DYNAMICS SIMULATION OF ETORICOXIB UNDER CONFINED GEOMETRY CONDITIONS OF NANOCRYSTALLINE CELLULOSE-BASED AEROGEL IN A SUPERCRITICAL CARBON DIOXIDE MEDIUM <i>Ivlev D.V., Kiselev M.G.</i> G.A. Krestov Institute of solution chemistry of the RAS, Ivanovo</p>
16	<p>STUDY OF THE CRYSTALLIZATION PROCESS OF THE ANTIVIRAL DRUG TECOVIRIMAT USING THE MOLECULAR DYNAMICS METHOD <i>Ivlev A.A., Kadtsyn E.D.</i> SRF "SKIF", Koltsovo; Novosibirsk State University, Novosibirsk</p>
17	<p>STRUCTURE AND THERMODYNAMICS OF WATER-DIOXANE MIXTURES BASED ON MOLECULAR DYNAMICS SIMULATION <i>Ved'kal A.V., Kadtsyn E.D.</i> SRF "SKIF", Koltsovo; Novosibirsk State University, Novosibirsk; Voevodksy Institute of Chemical Kinetics and Combustion, SB RAS, Novosibirsk</p>
18	<p>DIAGRAMS WITH DISTINGUISHABLE DEFORMATION OF RESIDUE CURVES OF ZEOTROPIC THREE-COMPONENT SYSTEMS <i>Kolgushkin D.Y., Chelyuskina T.V.</i> MIREA – Russian Technological University, Moscow</p>
19	<p>CALCULATION AND EXPERIMENTAL STUDY OF PHASE EQUILIBRIA IN BINARY AQUEOUS SYSTEMS CONTAINING MONOVALENT CATIONS AND METHANESULFONATE <i>Krasnoiarov D.E., Belova E.V.</i> Moscow State University, Moscow</p>
20	<p>CHANGE IN THE STRUCTURAL CHARACTERISTICS OF AEROGEL MATRICES BASED ON SiO₂ AND NCC UPON IMPREGNATION WITH MEFENAMIC ACID <i>Kuzmikov M.S., Dyshin A.A., Kraev A.S., Oparin R.D., Kiselev M.G.</i> Institute of Solution Chemistry of the RAS, Ivanovo</p>
21	<p>THERMODYNAMIC AND SPECTRAL PROPERTIES OF MONONUCLEAR 1,3-DIKETONATES <i>Lutoshkin M.A.</i> Institute of Chemistry and Chemical Technology SB RAS, Federal Research Center "Krasnoyarsk Science Center SB RAS", Krasnoyarsk</p>

22	SOLVATION THERMODYNAMICS OF ORGANIC SOLUTES IN LACTATE ESTERS <i>Magsumov T.I.</i> Kazan Federal University, Kazan
23	EXPERIMENTAL INVESTIGATION AND THERMODYNAMIC ANALYSIS OF VOLUMETRIC PROPERTIES OF THE THYMOL–L-MENTHOL SYSTEM <i>Misikov G.Kh., Petrov A.V., Toikka A.M.</i> Saint Petersburg State University, Saint Petersburg
24	PHASE EQUILIBRIA AND THERMODYNAMIC PROPERTIES OF SOLID AND LIQUID SOLUTIONS IN THE SYSTEM $(\text{NH}_4)_2\text{SO}_4\text{-K}_2\text{SO}_4\text{-H}_2\text{O}$ <i>Mishina A.Ju., Knyazenko G.A, Kurdakova S.V., Belova E. V.</i> Moscow State University, Moscow
25	PHASE EQUILIBRIA AND DISSOCIATION ENTHALPIES OF HYDRATES AND SEMICLATHRATES IN THE $\text{CH}_4\text{-C}_3\text{H}_8\text{-H}_2\text{S}$ SYSTEM WITH TBAF AND TBANO_3 <i>Petrova E.A., Shablykin D.N., Kudryavtseva M.S., Petukhov A.N.</i> Lobachevsky State University of Nizhny Novgorod, Nizhny Novgorod
26	THE INFLUENCE OF POLYMER STRUCTURE ON THERMOCHEMICAL PARAMETERS OF FORMATION MICELLES AND GELS <i>Rakipov I.T., Titova E.A., Petrov A.A., Akhmediyarov A.A., Solomonov B.N.</i> Kazan Federal University, Kazan
27	DENSITY INVESTIGATION OF AlNiCoFeCr ALLOYS IN SOLID AND LIQUID STATES <i>Simonov D.K., Rusanov B.A., Sidorov V.E.</i> Ural State Pedagogical University, Ekaterinburg
28	APPLICATION OF TEMPERATURE DEPENDENCIES OF SATURATED VAPOR PRESSURE FOR THE ANALYSIS OF PHASE DIAGRAM EVOLUTION OF A SOLVENT MIXTURE <i>Tabakov D.O., Chelyuskina T.V.</i> MIREA – Russian Technological University, Moscow
29	THERMODYNAMIC MODELLING OF LIQUID CRYSTALLINE PHENYLBENZOATE-SOLVENT SYSTEMS <i>Telyatnikov V.B., Pestov S.M.</i> RTU MIREA, Moscow
30	EXPERIMENTAL STUDY OF PHASE EQUILIBRIA IN BINARY MIXTURES OF SUPERCRITICAL FLUIDS WITH ORGANIC COMPONENTS <i>Khabriev I.Sh., Kabirov R.R., Khairutdinov V.F., Yarullin L. Yu., Abdulagatov I.M.</i> Kazan National Research Technological University, Kazan
31	QUANTUM CHEMICAL MODEL OF DYE EXTRACTION USING DEEP EUTECTIC SOLVENTS <i>Yakubinskaya A.R., Moskalenko I.V., Skorb E.V.</i> ITMO University, Saint Petersburg
51	EXPERIMENTAL STUDY OF THE DEPENDENCE OF THERMODYNAMIC PROPERTIES OF THE WATER + PROPANOL-1 BINARY SYSTEM ON ITS COMPONENT COMPOSITION OVER A WIDE RANGE OF STATE PARAMETERS <i>Osmanova B.K., Bazaev E.A., Bazaev A.R., Dzhapparov T.A.-G.</i> Institute for Geothermal Research and Renewable Energy of the Joint Institute for High Temperatures RAS, Makhachkala
52	SIMPLIFIED PROCEDURE FOR ANALYZING VAPOR-LIQUID EQUILIBRIUM DIAGRAMS OF MULTICOMPONENT SYSTEMS <i>Frolkova A.V., Novruzova A.N., Shibaeva V.V.</i> MIREA – Russian Technological University, Moscow

S4: Thermodynamics of heterogeneous systems, surfaces, interphase and membrane processes, and nanoscale systems

32	PHYSICO-CHEMICAL PATTERNS OF PRECONCENTRATION OF Sm(III), La(III), Er(III) BY A COPOLYMER OF POLYVINYL ALCOHOL, FORMALDEHYDE AND UREA <i>Belyakovich D.I., Didukh-Shadrina S.L., Losev V.N., Gulieva R.M.</i> Siberian Federal University, Krasnoyarsk
33	INFLUENCE OF TEMPERATURE AND MACROMOLECULES ON PHASE TRANSITIONS IN TWO-DIMENSIONAL LIPID FILMS <i>Bykov A.G., Tsyganov E.A., Noskov B.A.</i> St. Petersburg State University, St. Petersburg
34	CONSTRUCTION OF EXCESS GIBBS ENERGY DIAGRAMS FOR FOUR-COMPONENT SYSTEMS USING THE MARCHING CUBES ALGORITHM <i>Vanyushin A.S., Raeva V.M.</i> MIREA - Russian Technological University, Moscow
35	THERMODYNAMIC STUDY OF VOLATILE Ru(II) AND Co(I) CYCLOPENTADIENYL DERIVATIVES <i>Dorovskikh S.I., Pishchur D.P., Sysoev S.V., Vikulova E.S.</i> Nikolaev Institute of Inorganic Chemistry SB RAS, Novosibirsk
36	CAPILLARY-INDUCED SELF-COACERVATION IN ZWITTERIONIC POLYMER SOLUTIONS: A MEAN-FIELD THEORY <i>Kalikin N.N., Brandyshev P.E., Budkov Y.A.</i> ISC RAS, Ivanovo; HSE University, Moscow
37	PHASE EQUILIBRIA OF THE SYSTEM NH_4^+ , K^+ SO_4^{2-} , NO_3^- – H_2O <i>Belova E.V., Solovey A.R., Kurdakova S.V.</i> Moscow State University, Moscow
38	DYNAMIC WETTING OF NITROCELLULOSE–BUTYL ACETATE–DIBUTYL PHTHALATE SOLUTIONS ON GLASS <i>Loskutov V.V., Mikhailova R.I.</i> Mari State University, Yoshkar-Ola
39	STUDY OF THE THERMODYNAMICS OF SORPTION OF VOLATILE ORGANIC COMPOUNDS IN “IONIC LIQUID-MACROCYCLE” SYSTEMS BY INVERSE GAS CHROMATOGRAPHY <i>Matveichev I.V., Ainullina R.M., Kuraeva Yu.G.</i> Samara University, Samara
40	THERMODYNAMIC AND KINETIC PARAMETERS OF URANIUM RECOVERY FROM SULFURIC ACID SOLUTIONS USING ORGANOPHOSPHORUS EXTRACTION MIXTURES <i>Nechkin M.A., Skripchenko S.Yu., Rychkov V.N., Titova S.M., Nalivaiko K.A.</i> Ural Federal University, Ekaterinburg
41	THERMODYNAMIC ASPECTS OF CORROSION PROTECTION OF METALLIC MATERIALS IN MOLTEN SALTS <i>Seliverstov K.E., Karfidov E., Mazannikov M.V., Nikitina E.V., Potapov A.M., Aliev G.A.</i> Institute of High Temperature Electrochemistry UB RAS, Ekaterinburg; Ural State Federal University, Ekaterinburg
42	THERMODYNAMIC EQUILIBRIUM GROWTH OF CO-N ₂ CRYSTALS IN CONDITIONS OF THE INTERSTELLAR MEDIUM <i>Ozhiganov M.E., Sapunova U.A., Medvedev M.G., Vasyunin A.I.</i> Ural Federal University, Ekaterinburg
43	MOLECULAR SIMULATION AND THERMOMECHANICAL PREDICTION OF BRINE-VAPOR TENSION AT RESERVOIR CONDITIONS <i>Ryazanov S.V., Vishnyakov A., Kalikin N.N., Alshammari S.</i> Moscow State University, Moscow; Aramco Innovations, Moscow; HSE University, Moscow; G.A. Krestov Institute of Solution Chemistry, Ivanovo; Saudi Aramco EXPEC Advanced Research Center, Dhahran
44	THERMODYNAMIC MODELING OF HIGH-TEMPERATURE OXIDATION OF Al _x CoCr _y NiNb _z HIGH-ENTROPY ALLOYS <i>Samoilova O.V., Pratskova S.E., Bilgenov A.S.</i> South Ural State University, Chelyabinsk; Chelyabinsk State University, Chelyabinsk
45	AGGREGATION BEHAVIOR OF AQUEOUS SOLUTIONS OF ALKYLIMIDAZOLIUM AMINO ACID IONIC LIQUIDS: EFFECTS OF "NATURAL" ADDITIVES <i>Yarchenko P.S., Korchak P.A., Safonova E.A., Gotlib I.Yu., Victorov A.I.</i> St. Petersburg State University, Saint Petersburg
46	APPLICATION OF ADSORPTION THEORIES TO DESCRIBE CEFOPERAZONE PRECONCENTRATION USING AMINATED SILICA <i>Timofeeva A.A., Didukh-Shadrina S.L., Losev V.N.</i> Siberian Federal University, Krasnoyarsk

S5: New approaches, methods and goals in thermodynamic modeling. Thermodynamic databases

47	METHOD FOR DETERMINING INFORMATIVE PARAMETERS IN NEURAL NETWORK MODELING OF CHEMICAL KINETICS <i>Kolesnikova O.P., Malsagov M.Yu., Mikhailchenko E.V., Karandashev I.M.</i> National Research Center Kurchatov Institute - NIISI, Moscow; Moscow Institute of Physics and Technology, Dolgoprudny; Peoples' Friendship University of Russia, Moscow
48	ACES: CALCULATION OF ACTIVITY COEFFICIENTS IN MULTICOMPONENT ELECTROLYTE SOLUTIONS USING THE ZDANOVSKII METHOD <i>Slavinskiy K.A., Stepanov S.I.</i> D.I. Mendeleev University of Chemical Technology of Russia, Moscow
49	EVALUATION OF THERMODYNAMIC PROPERTIES OF PALLADIUM AND NEODYMIUM INTERMETALLIC COMPOUNDS <i>Mazannikov M.V., Shemetov V.V., Potapov A.M.</i> Institute of High Temperature Electrochemistry UB RAS, Ekaterinburg



INTERNATIONAL CONFERENCE ON CHEMICAL THERMODYNAMICS IN RUSSIA

June 29 - July 3, 2026
Ekaterinburg, Russia

Wednesday, July 1

Plenary Lectures (700) (Gavrichev K.S., Tsvetkov D.S.)

9.00-9.40	MULTICOMPONENT EQUIATOMIC SOLID SOLUTIONS <i>Rempel A.A.</i> Vatolin Institute of Metallurgy UB RAS, Ekaterinburg
9.40-10.20	FEATURES OF GIBBS EQUATION ($\Delta G = \Delta H - T\Delta S$) APPLICATION TO THERMODYNAMICS OF SOLVATION, VAPORIZATION, AND COMPLEX FORMATION IN SOLUTION AND GAS PHASES <i>Yagofarov M.I., Solomonov B.N.</i> Kazan Federal University, Kazan
10.20-11.00	THERMODYNAMIC INVESTIGATION OF NEW ORGANIC AND POLYMERIC MATERIALS <i>Markin A.V., Sologubov S.S.</i> Lobachevsky State University of Nizhny Novgorod, Nizhny Novgorod
11.00-12.00	Lunch Break
12.00-20.30	Cultural Program (Экскурсия)



INTERNATIONAL CONFERENCE ON CHEMICAL THERMODYNAMICS IN RUSSIA

June 29 - July 3, 2026
Ekaterinburg, Russia

Thursday, July 2

Plenary Lectures (700) (Verevkin S.P., Budkov Yu.A.)

9.00-9.40	QUANTIFICATION OF DISPERSION INTERACTIONS BY USING THERMOCHEMICAL METHODS <i>Verevkin S.P.</i> Samara State Technical University, Samara
9.40-10.20	THERMODYNAMICS OF COMPOSITIONALLY COMPLEX (“HIGH-ENTROPY”) OXIDES <i>Tsvetkov D.S., Sereda A.V., Sereda V.V., Malyshkin D.A., Ivanov I.L., Bajenova I.A., Kuzovchikov S.V., Khvan A.V., Zuev A. Yu.</i> Ural Federal University, Ekaterinburg; Moscow State University, Moscow
10.20-11.00	BEYOND POINT-LIKE CHARGE MODEL: A SELF-CONSISTENT THEORY FOR ELECTROLYTE CONDUCTIVITY <i>Budkov Yu.A., Kalikin N.N.</i> HSE University, Moscow; G.A. Krestov Institute of Solution Chemistry of RAS, Ivanovo
11.00-11.40	HEXAALUMINATES WITH MAGNETOPLUMBITE STRUCTURE FOR ADVANCED THERMAL BARRIER COATINGS: THERMODYNAMIC AND THERMOPHYSICAL PROPERTIES <i>Gavrichev K.S., Guskov V.N.</i> Kurnakov Institute of General and Inorganic Chemistry RAS, Moscow
11.40-11.55	Анализаторы удельной поверхности и пористости IMC ProSurf и термоанализаторы Lumetrix: возможности и приложения <i>Дмитриева Вероника Алексеевна</i> ООО «Группа Ай-Эм-Си»
11.55-12.25	Coffee Break

Thursday, July 2	S2: Thermodynamic properties and processes in solids (304) (Gorbachuk V.V., Zuev A.Yu.)	S4: Thermodynamics of heterogeneous systems, surfaces, interphase and membrane processes, and nanoscale systems (700) (Zherikova K.V., Cherepanov V.A.)	S5: New approaches, methods and goals in thermodynamic modeling. Thermodynamic databases (430)	S8: Special session on the development of measurement methods and experimental setups in thermal analysis and calorimetry (204)
12.25-12.40	THERMODYNAMICS OF DRUG POLYMORPHISM: PROBLEMS AND SOLUTIONS <i>Gorbachuk V.V., Gabdul Khaev M.N., Gatiatulin A.K., Ziganshin M.A.</i>	STRUCTURE-PROPERTY RELATIONSHIPS AS A PRIMARY TOOL FOR ASSESSING THE CVD PRECURSOR PROPERTIES <i>Zherikova K.V., Zheravin A.A.</i>	NEW APPROACH TO THE THERMODYNAMIC ANALYSIS OF POLYMORPHIC SYSTEMS <i>Bolmatenkov D.N., Nizamov I.I., Romashova A.A., Notfullin A.A., Yagofarov M.I.</i>	DEVELOPMENT OF METROLOGICAL ASSURANCE IN THE FIELD OF THERMAL ANALYSIS AND CALORIMETRY <i>Korchagina E.N., Mishina K.A., Kondratev S.V., Vlasova V.V.</i>
12.40-12.55			MODELING OF PHASE EQUILIBRIA IN THE SrO-La ₂ O ₃ -Fe SYSTEM <i>Vorozhtcov V.A., Stolyarova V.L., Almjashv V.I.</i>	
12.55-13.10	THE POSSIBILITY OF THE EXISTENCE OF MESOPHASES FOR SECOND-GENERATION ANTICOAGULANT RODENTICIDES <i>Nosikova L.A., Sergeenkova A.A., Kochetov A.N., Kudryashova Z.A., Chernyshev V.V., Tsivadze A.Yu.</i>	THERMODYNAMIC STUDY OF MIXED LIGAND COBALT B-DIKETONATE COMPLEXES AND THEIR IMPLICATIONS FOR Co-OXIDE THIN FILM DEPOSITION <i>Dorovskikh S.I., Makarenko A.M., Pishchur D.P., Zherikova K.V., Sysoev S.V., Vikulova E.S.</i>	DEVELOPMENT OF NUMERICAL METHODS FOR PHASE EQUILIBRIA CALCULATION INVOLVING MODELS WITH INTERNAL DEGREES OF FREEDOM <i>Voskov A.L.</i>	ADVANTAGES OF FAST SCANNING CALORIMETRY IN STUDYING THE THERMODYNAMICS OF PHASE TRANSITIONS IN PHARMACEUTICALS <i>Notfullin A.A., Bolmatenkov D.N., Yagofarov M.I.</i>
13.10-13.25	ON THE MECHANISM OF MATERIAL CONSOLIDATION DURING SPARK PLASMA SINTERING <i>Suslova E.V.</i>	THERMODYNAMICS OF SUBLIMATION OF INDOLINE BASED SPIROPYRANS WITH DIFFERENT POSITIONS OF THE METHOXY GROUP <i>Efimov F.M., Kaplin A.S., Motalov V.B., Dunaev A.M.</i>	THE 'CENTERPIECE' APPROACH: A HIGH-THROUGHPUT THERMODYNAMIC TOOL FOR LOHC AND BIOSYNTHETIC FUEL TECHNOLOGIES <i>Vostrikov S.V., Verevkin S.P.</i>	RESEARCH AND DEVELOPMENT OF PHASE TRANSITION TEMPERATURE REFERENCE MATERIAL FOR MEASURING INSTRUMENTS IMPLEMENTING THERMAL ANALYSIS METHODS METROLOGICAL SUPPORT <i>Shipitsyn A.P.</i>
13.25-13.40	P, T-DIAGRAMS FOR DOUBLE MANGANITES RBaMn ₂ O ₆ , R = Sm, Nd, Pr, La <i>Titova S.G., Sterkhov E.V.</i>	DESCRIPTION OF EQUILIBRIUM LIQUID INTERFACES IN NONIONIC FLUIDS BY MULTILAYER QUASICHEMICAL APPROACH <i>Sorina P.O., Victorov A.I.</i>	THERMODYNAMIC PREDICTION OF THE COMPOSITION OF POLYCHLORINATED BIPHENYL NITRATION PRODUCTS AS A FUNCTION OF THE NITRATING MIXTURE EXCESS <i>Kulikova T.V., Mayorova A.V., Druzhevetskaya T.O., Ryzkov O.V., Gorbunova T.I.</i>	EDUCATIONAL HEAT FLUX DIFFERENTIAL SCANNING CALORIMETER "KOLIBRI-1.1" <i>Tsvetkov D.S., Malyshkin D.A., Sereda V.V.</i>
13.40-14.45	Lunch Break			

Thursday, July 2	S3: Thermodynamic properties and processes in solutions and fluids (304)	S4: Thermodynamics of heterogeneous systems, surfaces, interphase and membrane processes, and nanoscale systems (700)	S5: New approaches, methods and goals in thermodynamic modeling. Thermodynamic databases (430)	S6: Thermodynamic aspects of synthesizing, analyzing and predicting the properties of novel materials (204)
14.45-15.00	RELATIONSHIPS BETWEEN THE STRUCTURE, NANOSTRUCTURE, AND PROPERTIES OF IONIC LIQUIDS <i>Sedov I.A.</i>	THERMODYNAMIC MODELING OF NICKEL-BASED SELF-FLUXING MATERIALS <i>Ilinykh N.I., Krivorigova A.S., Ilinykh S.A., Gelchinskii B.R.</i>	THERMODYNAMIC MODELING OF MULTICOMPONENT LITHIUM INDUSTRIAL BRINES <i>Oshchepkova A.V., Danilova M.A., Vakhromeev A.G., Sergeeva A.V., Levin A.V., Gorokhov A.P.</i>	LIQUID CRYSTALS. PROPERTY ESTIMATION <i>Pestov S.M.</i>
15.00-15.15	CALORIMETRIC STUDY OF THE OXOTRANSFER PROCESS INVOLVING TRIPHENYLPHOSPHINE AND A MOLYBDENUM-CONTAINING ANALOGUE OF THE ENZYME ACTIVE SITE <i>Simonova V.M., Podturkina S.A., Khripun V.D., Pestova O.N.</i>	THERMODYNAMICS OF PHASE TRANSITIONS OF METAL β -DIKETONATES AS A BASIS FOR CONTROLLING THEIR MASS TRANSFER IN MOCVD PROCESSES <i>Makarenko A.M., Zherikova K.V.</i>	MODELING OF THE OXIDE MELT STRUCTURE: GLASS TRANSITION VS CRYSTALLIZATION <i>Koroleva O.N., Fedyaeva M.A., Lepeshkin S.V.</i>	DYNAMIC SURFACE PROPERTIES OF SILK FIBROIN FIBRILS <i>Rafikova A.R., Milyaeva O.Yu., Noskov B.A.</i>
15.15-15.30	A COLORIMETRIC METHOD FOR CHARACTERIZING FAST EXTRACTION PROCESSES IN NADES <i>Sychev A.V., Burtzev I.O., Postnikov E.B.</i>	THERMODYNAMICS OF THE ADSORPTION OF VOLATILE ORGANIC COMPOUNDS BY CYCLODEXTRIN-CONTAINING PHASES ACCORDING TO INVERSE GAS CHROMATOGRAPHY DATA <i>Kuraeva Yu.G., Kapralova T.S., Onuchak L.A.</i>	SOFTWARE DESIGN FOR THERMODYNAMIC MODELING AND PROPERTY CALCULATION <i>Kuzovchikov S.V.</i>	CRYSTALLIZATION BEHAVIOR OF Fe-Ni-B-Nb AND Fe-Ni-B-Si-Nb AMORPHOUS ALLOYS WITH DIFFERENT COMPONENT RATIOS <i>Rusanov B.A., Sidorov V.E., Rusanova A.I., Popel P.S., Ladyanov V.I., Ardasheva D.P.</i>
15.30-15.45	NUCLEOPHILICITY INDICES AS DESCRIPTORS FOR BOTH THERMODYNAMIC FEASIBILITY AND REACTIVITY OF C-ELECTROPHILES OXIDATIVE ADDITION TO Pt(II) SPECIES <i>Krasnyakova T.V., Nikitenko D.V., Gogilchin A.S., Mitchenko S.A.</i>	FEATURES OF VAPORIZATION AND THERMODYNAMIC PROPERTIES OF SOME LOW-VOLATILE AMINO ACIDS <i>Korobov M.A., Kaplin A.S., Motalov V.B., Dunaev A.M.</i>	DEVELOPMENT OF A THERMODYNAMIC DATABASE FOR CORROSION MODELING IN MOLTEN SALT REACTORS <i>Luchina K.A., Ignatiev V.V., Kupriyanov K.S., Potapov A.M.</i>	PHYSICAL PROPERTIES OF Fe-Ni-B-Si-Nb ALLOYS IN CRYSTALLINE, LIQUID AND AMORPHOUS STATES <i>Sidorov V.E., Rusanov B.A., Rusanova A.I., Popel P.S., Sabirzyanov A.A.</i>
15.45-16.00	THERMODYNAMIC FEASIBILITY OF REDUCING ORGANOPLATINUM(IV) SPECIES BY IODIDE IONS AS A KEY STEP FOR CROSS-ELECTROPHILE COUPLING <i>Mitchenko S.A., Krasnyakova T.V., Nikitenko D.V., Gogilchin A.S.</i>	MOLECULAR MODELING OF INTERFACIAL TENSION AND CONTACT ANGLES AT RESERVOIR CONDITIONS <i>Ryazanov S.V., Vishnyakov A.M.</i>	CHEMICAL DATABASES AS A PROMISING TOOL FOR OBTAINING THE VAPORIZATION CHARACTERISTICS OF ORGANIC COMPOUNDS <i>Nizamov I.I., Bolmatenkov D.N.</i>	THERMODYNAMIC OPTIMIZATION OF THE UN-PuN-Fe SYSTEM <i>Timchuk A.V., Almjashev V.I.</i>
16.00 - 16.30	Coffee Break			

Thursday, July 2	S2: Thermodynamic properties and processes in solids (304)	S4: Thermodynamics of heterogeneous systems, surfaces, interphase and membrane processes, and nanoscale systems (700)	S6: Thermodynamic aspects of synthesizing, analyzing and predicting the properties of novel materials (204)
16.30-16.45	THERMOLYSIS OF COMPOSITES BASED ON POLYANTIMONIC ACID CONTAINING Nb ⁵⁺ IONS <i>Kovalenko L. Yu., Zakhar'evich D.A., Burmistrov V.A.</i>	STUDY OF ELECTROLYTE PARTITIONING BETWEEN PHASES OF DIFFERING POLARITY: EXPERIMENTAL AND COMPUTATIONAL APPROACHES <i>Chetverikova D.A., Peshkova M.A., Vanin A.A.</i>	PHYSICOCHEMICAL PROPERTIES OF Mg(Al _x Cr _{1-x}) ₂ O ₄ SOLID SOLUTIONS PREPARED VIA SOLUTION COMBUSTION <i>Titova A.D., Izotova S.G.</i>
16.45-17.00	LOW-TEMPERATURE HEAT CAPACITY AND THERMODYNAMIC FUNCTIONS OF A Gd ₂ (MoO ₄) ₃ SINGLE CRYSTAL <i>Bespyatov M.A., Cherniaikin I.S., Pavlyuk A.A., Gelfond N.V.</i>	THERMODYNAMIC CHARACTERISTICS OF THE INTERACTION OF FLUORAPATITE WITH LACTIC ACID <i>Provorkina A.A., Golovanova O.A.</i>	DETERMINATION OF VAPOR PRESSURE AND ENTHALPY OF VAPORIZATION OF NEOPENTYL GLYCOL ESTERS OF FATTY CARBOXYLIC ACIDS <i>Chicheva D.S., Krasnykh E.L., Abbyasova A.R.</i>
17.00-17.15	PHASE EQUILIBRIA AND CHEMICAL PROCESSES IN SYSTEMS ZnO-SiO ₂ -NiO AND ZnO-SiO ₂ -MnO <i>Zaitseva N.A., Samigullina R.F., Dobrynenko E.S., Krasnenko T.I.</i>	CALORIMETRIC SCREENING OF INTERFACIAL INTERACTIONS IN GLASS POLYMER COMPOSITES <i>Terziyan T.V., Safronov A.P.</i>	GLYCOL ETHERS AS PROMISING BATTERY ELECTROLYTES <i>Elbakari A.V., Emelyanov V.V., Vostrikov S.V., Verevkin S.P.</i>
17.15-17.30	PHASE RELATIONSHIPS IN THE QUASI-TERNARY SYSTEM OF ORTHOPHOSPHATES OF La, Gd, AND Y at $T = 230\text{ }^{\circ}\text{C}$ and $P \approx 10\text{ atm}$ <i>Enikeeva M.O., Zhidomorova K.A.</i>		

Thursday, July 2
17.30-19.30 Poster Session

S2: Thermodynamic properties and processes in solids

1	HEAT CAPACITY MEASUREMENTS OF RbAg_4I_5 AND Rb_2AgI_3 <i>Vatlin D.A., Chernyuk S.D., Reznitskikh O.G., Bushkova O.V.</i> Institute of Solid State Chemistry UB RAS, Ekaterinburg
2	THERMAL STABILITY OF PrMnO_3 AND PrMn_2O_5 PEROVSKITES IN REDUCING ATMOSPHERE <i>Vedmid' L.B., Fedorova O.M.</i> Vatolin Institute of Metallurgy UB RAS, Ekaterinburg
3	STUDY OF THE KINETICS OF PHASE TRANSFORMATION OF $\gamma\text{-Al}_2\text{O}_3$ NANOPARTICLES INTO CORUNDUM <i>Vinogradova V.O., Bugrov A.N.</i> Saint Petersburg Electrotechnical University "LETI", Saint Petersburg; Branch of NRC «Kurchatov institute» – PNPI – IMC, Saint Petersburg
4	A NEW APPROACH TO OBTAINING A METASTABLE POLYMORPH OF IMATINIB MESYLATE <i>Gabdulkhaev M.N., Vokhmin A.A., Ziganshin M.A., Gorbachuk V.V.</i> Kazan Federal University, Kazan
5	LOW-TEMPERATURE THERMODYNAMIC PROPERTIES OF SINGLE-CRYSTAL $\text{Na}_6\text{Mo}_{11}\text{O}_{36}$ <i>Bespyatov M.A., Shevelev D.S., Trifonov V.A., Nazarova A.A., Kuzin T.M., Gelfond N.V.</i> Nikolaev Institute of Inorganic Chemistry SB RAS, Novosibirsk
6	SINGLE-CRYSTAL $\text{NaCsMo}_3\text{O}_{10}$: GROWTH, PHASE STABILITY, THERMODYNAMIC PROPERTIES <i>Bespyatov M.A., Shevelev D.S., Trifonov V.A., Nazarova A.A., Kuzin T.M., Gelfond N.V.</i> Nikolaev Institute of Inorganic Chemistry SB RAS, Novosibirsk
7	THERMODYNAMIC PROPERTIES OF THE MATERIAL OF INTERFACIAL FORMATIONS <i>Golubina E.N., Akimov D.S., Kizim N.F.</i> Novomoskovsk Institute of D. Mendeleev University, Novomoskovsk
8	INVESTIGATION OF THE HEAT CAPACITY OF $\text{Y}_{3-x}\text{Eu}_x\text{Sc}_2\text{Ga}_3\text{O}_{12}$ ($0 < x < 3$) SOLID SOLUTIONS <i>Denisova L.T., Irtyugo L.A.</i> Siberian Federal University, Krasnoyarsk
9	EFFECT OF INDIUM SUBSTITUTION ON THE STRUCTURE OF $\text{SrFeO}_{3-\delta}$ AND ITS TRANSPORT PROPERTIES <i>Egorova A.V., Legonkova V.S., Zhukov V.P., Merkulov O.V.</i> Ural Federal University, Ekaterinburg; Institute of Solid State Chemistry UB RAS, Ekaterinburg
10	THERMODYNAMIC PROPERTIES OF TERNARY CESIUM LEAD HALIDES <i>Zaslavsky A.A., Malyshkin D.A., Mazurin M.O., Sereda V.V., Ivanov I.L., Tsvetkov D.S., Zuev A.Y.</i> Ural Federal University, Ekaterinburg
11	THERMODYNAMIC AND ELECTROPHYSICAL CHARACTERISTICS OF THE $\text{Nd}_2\text{O}_3\text{-MgO-NiO-Mn}_2\text{O}_3$ SYSTEM <i>Kasenov B.K., Kasenova Sh.B., Sagintayeva Zh.I., Kuanyshbekov E.E., Turdiev M.T.</i> Chemical and Metallurgical Institute named after J. Abishev, Karaganda
12	CALORIMETRIC AND ELECTROPHYSICAL STUDIES OF LANTHANUM-POTASSIUM CUPRATE-VANADATE-MANGANITE <i>Kasenov B.K., Kasenova Sh.B., Sagintayeva Zh.I., Kuanyshbekov E.E.</i> Chemical and Metallurgical Institute named after J. Abishev, Karaganda
13	ACTIVITY COEFFICIENTS OF NEODYMIUM IN Fe-Nd ALLOY <i>Krylosov A.V., Rebrin O.I.</i> Ural Federal University, Ekaterinburg
14	SILVER CONVERSION DURING PYROMETALLURGICAL PROCESSING OF MINERAL MATERIALS <i>Amdur A.M., Fedorov S.A., Potapov A.M., Kurmacheva V.S.</i> Ural State Mining University, Ekaterinburg; Vatolin Institute of Metallurgy UB RAS, Ekaterinburg; Institute of High Temperature Electrochemistry UB RAS, Ekaterinburg
15	PHASE EQUILIBRIA, STRUCTURE, AND PROPERTIES OF COMPLEX OXIDES IN THE $\text{Eu}_{1-x}\text{Sr}_x\text{Co}_{1-y}\text{Fe}_y\text{O}_{3-\delta}$ SYSTEM AT 1373 K IN AIR <i>Legonkova V.S., Aksenova T.V., Cherepanov V.A.</i> Ural Federal University, Ekaterinburg

16	A CALORIMETRIC STUDY OF SELECTED ACTIVE PHARMACEUTICAL INGREDIENTS <i>Sologubov S.S., Markin A.V., Kalentyeva E.S., Smirnova N.N.</i> Lobachevsky State University of Nizhny Novgorod, Nizhny Novgorod
17	A CALORIMETRIC STUDY OF PYRIDINE-FUNCTIONALIZED VINYL BENZYL CHLORIDE AND DIVINYLBENZENE COPOLYMER <i>Zarubin D.M., Markin A.V., Abarbanel N.V., Smirnova N.N., Vorotyntsev A.V., Petukhov A.N.</i> Lobachevsky State University of Nizhny Novgorod, Nizhny Novgorod
18	HEAT CAPACITY AND THERMODYNAMIC FUNCTIONS OF SINGLE CRYSTAL $\text{LiRbMo}_3\text{O}_{10}$ FROM 0 K TO THE MELTING POINT <i>Bespyatov M.A., Shevelev D.S., Trifonov V.A., Nazarova A.A., Kuzin T.M., Gelfond N.V.</i> Nikolaev Institute of Inorganic Chemistry SB RAS, Novosibirsk
19	DSC INVESTIGATION OF THE HEAT CAPACITY OF $\text{K}_2\text{SO}_4 - \text{ZnSO}_4$ SULPHATE GLASSES <i>Nepomiluev A.M., Reznitskikh O.G.</i> Institute of Solid State Chemistry UB RAS, Ekaterinburg; UNIIM — Affiliated Branch of the D.I. Mendeleev Institute for Metrology, Ekaterinburg
20	THERMODYNAMIC ANALYSIS OF THE CATALYTIC ACTIVITY OF ALUMINUM OXIDE (Al_2O_3) AND PYRITE (FeS_2) <i>Ordabaeva A.T., Kim S.V., Meiramov M.G., Suleimenov S.I.</i> Institute of Organic Synthesis and Chemistry of Coal of Kazakhstan Republic, Karaganda
21	THERMOPHYSICAL AND ELECTROPHYSICAL PROPERTIES OF ELECTRODE COKE <i>Ordabaeva A.T., Kim S.V., Meiramov M.G., Muldakhmetov Z.M.</i> Institute of Organic Synthesis and Chemistry of Coal of Kazakhstan Republic, Karaganda
22	THE EFFECT OF pH ON THE FORMATION OF NANOCRYSTALLINE PHASES IN THE $\text{Bi}_2\text{O}_3\text{-P}_2\text{O}_5$ SYSTEM <i>Osmolina A.A., Elovikov D.P., Proskurina O.V.</i> Branch of Petersburg Nuclear Physics Institute named by B.P. Konstantinov of National Research Centre “Kurchatov Institute” – Institute of Silicate Chemistry, St. Petersburg; St. Petersburg State Institute of Technology, St. Petersburg
23	SYNTHESIS, FORMATION ENTHALPIES AND LATTICE ENTHALPIES OF BISMUTH NIOBATES DOPED WITH YTTERBIUM <i>Dobretsov P.A., Semerikova A.N., Matskevich N.I., Aparnev A.I.</i> Nikolaev Institute of Inorganic Chemistry SB RAS, Novosibirsk; Novosibirsk State Technical University, Novosibirsk
24	THERMODYNAMIC PROPERTIES OF COMPOSITIONALLY COMPLEX (HIGH-ENTROPY) OXIDES WITH PEROVSKITE AND ROCK-SALT STRUCTURES <i>Sereda A.V., Sereda V.V., Tsvetkov D.S., Zuev A.Yu.</i> Ural Federal University, Ekaterinburg
25	CRYSTAL STRUCTURE AND THERMODYNAMIC STABILITY OF PHASES IN THE $(\text{La,Pr,Nd})_2(\text{Ni,Cu})\text{O}_4$ <i>Sukhanov K.S., Gilev A.R., Kiselev E.A., Cherepanov V.A.</i> Ural Federal University, Ekaterinburg
26	THERMOCHEMICAL PROPERTIES OF SOME METHANESULFONATES OF TRANSITION METALS <i>Tiflova L.A., Zhiryakova M.V., Belova E.V.</i> Lomonosov Moscow State University, Moscow
27	HEAT CAPACITIES AND FORMATION FUNCTIONS OF SOME 1,5-DIAZABICYCLO[3.1.0]HEXANES <i>Tiflova L.A., Druzhinina A.I., Chumakov A.A., Kuznetsov V.V.</i> Moscow State University, Moscow; N. D. Zelinsky Institute of Organic Chemistry RAS, Moscow
28	EFFECT OF WATER AND HIGH PRESSURE ON VALYL-ALANINE AND ALANINE-VALYL DIPEPTIDES CYCLIZATION IN SOLID STATE <i>Tkachenko D.V., Ziganshin M.A.</i> Kazan Federal University, Kazan
29	STRUCTURAL PHASE TRANSITIONS AND THERMODYNAMIC STABILITY OF THE RUDDLESDEN-POPPER NICKELATE $\text{La}_3\text{PrNi}_3\text{O}_{10-\delta}$ <i>Tsvetkova N.S., Ivanov I.L., Malyshkin D.A.</i> Ural Federal University, Ekaterinburg
30	THERMODYNAMIC PROPERTIES OF THE $\text{CeO}_2\text{-B}_2\text{O}_3$ SYSTEM <i>Shugurov S.M., Zhinkina O.A., Lopatin S.I.</i> St. Petersburg State University, St. Petersburg; Branch of Petersburg Nuclear Physics Institute named by B.P. Konstantinov of National Research Centre «Kurchatov Institute» – Institute of Silicate Chemistry, St. Petersburg

S3: Thermodynamic properties and processes in solutions and fluids

31	DETERMINATION OF THE COMPLEXATION CONSTANTS OF COPPER AND ZINC WITH EDTA AT 298.15 AND 288.15 K <i>Solovei A.R., Kurdakova S.V.</i> Moscow State University, Moscow
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S6: Thermodynamic aspects of synthesizing, analyzing and predicting the properties of novel materials

32	THERMODYNAMIC FUNCTIONS OF SOME ALKALINE EARTH METAL BOROSILICATES <i>Abulyaissova L.K., Ospanova A.S., Kasymova M.S.</i> Buketov National Research University, Karaganda
33	THERMODYNAMIC INVESTIGATION OF THE $Ag_7B^{IV}Se_5I$ COMPOUNDS AND $Ag_{8-x}B^{IV}Se_{6-x}I_x$ (B^{IV} -Ge, Sn) SOLID SOLUTIONS BY THE EMF METHOD WITH SOLID ELECTROLYTE <i>Bayramova N.A., Huseynova I.F., Shukurova G.M., Sultanova S.Q., Imamaliyeva S.Z.</i> Nakhchivan State University, Nakhchivan; Institute of Chemistry, Baku; Baku State University, Baku
34	THERMODYNAMIC STUDY OF LAYERED MANGANESE-BISMUTH AND GERMANIUM-ANTIMONY TELLURIDES <i>Orujlu E.N., Nabiyev E.R., Bayramova N.A., Babanly M.B.</i> Azerbaijan State Oil and Industry University, Baku; Ganja State University, Ganja; Institute of Chemistry, Baku; Nakhchivan State University, Nakhchivan
35	ANALYSIS OF THE DISTRIBUTION OF URANIUM RADIONUCLIDES IN THE CONDITIONS OF HEATING REACTOR GRAPHITE IN THE AIR ATMOSPHERE <i>Barbin N.M., Titov S.A.</i> Ural Institute of the State Fire Service EMERCOM of Russia, Ekaterinburg
36	THERMODYNAMIC PROPERTIES AND THERMAL EXPANSION OF "HEAVY" RARE-EARTH DITANATES AT HIGH TEMPERATURES <i>Gavrichev K.S., Gagarin P.G., Guskov V.N., Guskov A.V., Betenev G.I.</i> Kurnakov Institute of General and Inorganic Chemistry RAS, Moscow
37	HEAT CAPACITY AND THERMODYNAMIC PROPERTIES OF COMPLEX OXIDES WITH β -PYROCHLORE STRUCTURE <i>Goryunova P.E., Sarmini Yu.A., Smirnova N.N., Fukina D.G., Markin A.V.</i> Lobachevsky State University of Nizhny Novgorod, Nizhny Novgorod
38	EFFECT OF POLYPHOSPHORIC ACID AND ZINC PHOSPHATE ON THE THERMO-OXIDATIVE STABILITY OF GRAPHITE FOIL <i>Gracheva A.V., Gubin V.Yu., Nigmatullin I.K., Morozov N.S., Klyukova K.E., Khachatryan E.G.</i> Moscow State University, Moscow
39	STUDY OF THE TEMPERATURE DEPENDENCES OF HEAT CAPACITY OF SOLID SOLUTIONS BASED ON HEXAGONAL STRONTIUM FERRITES SUBSTITUTED WITH GALLIUM <i>Zhivulina N.A., Zhivulin V.E., Vinnik D.A.</i> South Ural State University, Chelyabinsk; Moscow Institute of Physics and Technology, Moscow; St. Petersburg State University, Saint Petersburg
40	INVESTIGATION OF LUMINESCENT PROPERTIES OF NANOPARTICLES $(La, Gd, Y)PO_4:Eu^{3+}$ <i>Zhidomorova K.A., Enikeeva M.O.</i> St. Petersburg State Institute of Technology, Saint Petersburg; Branch of the National Research Center "Kurchatov Institute" – PNPI-ICHS, Saint Petersburg; Ioffe Institute, Saint Petersburg
41	CHARACTERIZATION OF DOMESTIC MATERIALS FOR 3D PRINTING BY THERMAL AND SPECTRAL ANALYSIS METHODS <i>Karezin K.I., Belova O.A., Popova E.I., Lazareva O.L., Nevskiy R.E., Sokovishin A.V.</i> Dukhov Automatics Research Institute, Moscow
42	FEATURES OF PRODUCING GELS BASED ON CYCLIC DIPEPTIDES <i>Karimullin K.N., Mirgazieva E.R., Ziganshina S.A., Ziganshin M.A.</i> Kazan Federal University, Kazan; Zavoisky Physical-Technical Institute, Kazan
43	SYNTHESIS AND CHARACTERIZATION OF $ZnO/g-C_3N_4$ COMPOSITES FOR PHOTOCATALYTIC APPLICATIONS <i>Kolpachkova P.D., Moskalenko I.V., Skorb E.V.</i> ITMO University, Saint Petersburg
44	HYDROGELS BASED ON THE Fmoc-FF DIPEPTIDE WITH ACTIVE PHARMACEUTICAL INGREDIENTS <i>Mirgazieva E.R., Ziganshin M.A.</i> Kazan Federal University, Kazan

45	<p>THERMODYNAMIC STUDY OF THE $\text{BiS}_{1-x}\text{Se}_x\text{I}$ AND $\text{Bi}_{19}\text{S}_{27(1-x)}\text{Se}_{27x}\text{I}$ SOLID SOLUTIONS <i>Qurbanov A.A., Ahmadov E.J., Poladova A.N., Mirzoeva R.J.</i> Ganja State University, Ganja; Institute of Chemistry, Baku; Baku State University, Baku</p>
46	<p>$\text{Cu}_8\text{SiS}_6\text{-Ag}_8\text{SiSe}_6$ SYSTEM: PHASE EQUILIBRIA AND HIGH ENTROPY ALLOYS <i>Poladova A.N., Hasanova Z.T., Mashadiyeva L.F.</i> Institute of Chemistry, Baku; Baku State University, Baku</p>
47	<p>THERMODYNAMIC MODELING OF PHASE EQUILIBRIA IN Mg-Ca-Li-BASED SYSTEMS <i>Rybalchenko K.G., Mikhailov D.V., Akaahimbe S.A., Trofimov E.A.</i> South Ural State University, Chelyabinsk</p>
48	<p>PHASE DIAGRAM OF THE Fe-Si-Al-Ni SYSTEM <i>Tolokonnikova V.V., Baisanov S.O., Orlov A.S., Narikbayeva G.I., Korsukova I.Ya.</i> Chemical and Metallurgical Institute named after J. Abishev, Karaganda</p>
49	<p>PHASE STABILITY OF $\text{A}_2\text{B}_2\text{O}_7$-TYPE ULTRAHIGH-ENTROPY COMPOUNDS <i>Trofimov E.A., Litvinyuk K.S., Efimova M.E., Mariappan Anandkumar, Korina E.A., Zhivulin D.E., Mikhailov D.V., Pratskova S.E., Myasnikova A.A., Iarushina D.V., Zaitseva O.V.</i> South Ural State University, Chelyabinsk</p>
50	<p>CATALYTIC PROPERTIES OF Ni-Mo COATINGS IN ALKALINE ELECTROLYSIS OF WATER <i>Chernyshev A.A., Cherepanova E.A., Darintseva A.B., Kalashnikova A.S.</i> Institute of High Temperature Electrochemistry UB RAS, Ekaterinburg; Ural Federal University, Ekaterinburg</p>
51	<p>OXIDATION BEHAVIOUR OF MoSi_2 POWDER AT 800–1100 °C <i>Yakushev I.N., Kardnonina N.I., Okishev K.Yu.</i> Ural Federal University, Ekaterinburg</p>
52	<p>EFFECT OF CATION COMPOSITION ON THE STABILITY AND PROPERTIES OF FLUORITE-TYPE HIGH-ENTROPY FLUORIDES <i>Iarushina D.V., Mariappan Anandkumar, Zaitseva O.V., Trofimov E.A.</i> South Ural State University, Chelyabinsk</p>
S8: Special session on the development of measurement methods and experimental setups in thermal analysis and calorimetry	
53	<p>MEASUREMENT UNCERTAINTY IN ISOTHERMAL TITRATION CALORIMETRY <i>Mishina K.A., Korchagina E.N.</i></p>



INTERNATIONAL CONFERENCE ON CHEMICAL THERMODYNAMICS IN RUSSIA

June 29 - July 3, 2026
Ekaterinburg, Russia

Friday, July 3

S8: Special session on the development of measurement methods and experimental setups in thermal analysis and calorimetry (700)

9.00-9.30	<p>CALORIMETRY UNDER EXTREME CONDITIONS OF TEMPERATURE, PRESSURE AND COMPOSITION <i>Navrotsky Alexandra</i> School of Molecular Sciences, Center for Materials of the Universe, Arizona State University, Tempe</p>
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Plenary Lectures (700)

9.30-10.10	<p>PECULIARITIES OF PHASE EQUILIBRIA IN OXIDE SYSTEMS BASED ON RARE EARTH, ALKALINE EARTH AND 3d (Fe, Co) METALS <i>Cherepanov V.A., Aksenova T.V., Bastron I.A., Davydova M.V., Gavrilova L.Ya., Legon'kova V.A., Vlasova M.A., Volkova N.E.</i></p>
10.10-10.50	<p>THERMODYNAMIC TUNING AND DATABASE ON NEW ENERGY MATERIALS <i>Sun Lixian, Fen Xu, Xia Yongpeng, Zhang Huanzhi, Luo Yumei, Zou Yongjin, Chu Hailiang</i></p>
10.50-11.30	<p>IMPORTANCE OF DEFECT CHEMISTRY FOR UNDERSTANDING THE THERMODYNAMIC PROPERTIES OF OXIDES WITH AND WITHOUT OXYGEN EXCHANGE <i>Sereda V.V., Yagovitin R.E., Ivanov I.L., Tsvetkov D.S., Malyshkin D.A., Zuev A.Yu.</i></p>
11.30-12.00	Coffee Break

	<p>S5: New approaches, methods and goals in thermodynamic modeling. Thermodynamic databases (304)</p>	<p>S7: Round table discussion «Chemical thermodynamics in higher education» (700)</p>	<p>S8: Special session on the development of measurement methods and experimental setups in thermal analysis and calorimetry (204)</p>
12.00-12.15	<p>THE FORMATION ENTHALPIES OF INTERMETALLIC COMPOUNDS IN SYSTEMS (Ni,Pd,Pt)-(Al,In,Sn) BY pySIPFENN SOFTWARE TOOL <i>Pavlenko A.S., Kabanova E.G., Kuznetsov V.N.</i></p>	<p>Round table discussion «Chemical thermodynamics in higher education»</p>	<p>FAST SCANNING CALORIMETRY AS A TOOL FOR THERMODYNAMIC MEASUREMENTS – ADVANTAGES AND LIMITATIONS <i>Mukhametzyanov T.A.</i></p>
12.15-12.30	<p>CHEMICAL SEPARATION OF AMERICIUM AND CURIUM IN MOLTEN SALTS. THERMODYNAMIC MODELING <i>Potapov A.M., Zaykov Yu.P.</i></p>		<p>THERMOELECTRIC MODULES FOR CRYOSCOPIC ANALYSIS: EMPLOYING PELTIER ELEMENTS AS BOTH HEAT FLUX SENSORS AND THERMAL ACTUATORS <i>Mukhin K.A., Pestova O.N.</i></p>
12.30-12.45	<p>MACHINE LEARNING INTERATOMIC POTENTIALS FOR ATOMISTIC SIMULATION OF THERMODYNAMIC PROPERTIES AND PROCESSES IN COMPLEX MATERIALS <i>Ryltsev R.E., Chtchelkatchev N.M., Khazieva E.O., Katkov N.N., Pikalova N.S.</i></p>	<p>TEACHING CHEMICAL THERMODYNAMICS IN JOINT PROJECTS WITH EMPLOYERS: A CASE STUDY OF THE VYKSA BRANCH OF NUST MISIS, VYKSA, NIZHNY NOVGOROD REGION <i>Myalkin I.V.</i></p>	
12.45-13.00	<p>VERIFICATION OF THE ENTHALPIES OF FORMATION OF ORGANIC COMPOUNDS: A REFINEMENT STRATEGY BASED ON QUANTUM CHEMICAL CALCULATIONS <i>Samarov A.A.</i></p>		
13.00-14.00	<p>Young Scientist Award ceremony, Closing ceremony</p>		