

V. Karazin Kharkiv National University

International Conference

***Modern Physical Chemistry
for Advanced Materials***

*devoted to the 100th anniversary of the birth of
Professor Nikolai Izmailov*

June 26-30 2007

P R O G R A M M E

Kharkiv

**MODERN PHYSICAL CHEMISTRY FOR ADVANCED MATERIALS
MPC'07**

organized by

V. Karazin Kharkiv National University

in cooperation with

L. M. Litvinenko Institute of Physico-Organic Chemistry
and Coal Chemistry of
National Academy of Sciences of Ukraine

and

Physical Chemistry Department of
Ukrainian Chemical Society

under the auspices of

IUPAC (International Union of Pure and Applied Chemistry)

National Academy of Sciences of Ukraine

European Association for Chemical and Molecular
Sciences (EuCheMS)

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Conference “Modern Physical Chemistry for Advanced Materials” is devoted to the 100th anniversary of the birth of the outstanding physico-chemist Professor Nikolai Izmailov (1907-1961).

Kharkov University has got long-standing traditions in physical chemistry. A great Russian chemist, Professor Nikolai Beketov (1827–1911) established the physico-chemical division as early as in 1864. In 1865, Beketov delivered the first course in physical chemistry. At the end of the XIX century and beginning of the XX century, Professors P. D. Khrushchov, V. F. Timofeyev, G. E. Timofeyev, and many other scientists contributed to the field of physical chemistry, mainly in solution chemistry. A number of outstanding chemists elaborated physical chemistry in Kharkov before the World War II. Among them are G. E. Mukhin, A. N. Shchukarev, I. S. Teletov, P. P. Kosakevitch, E. N. Gapon, S. S. Urazovskiy, I. N. Frantsevich, and N. A. Izmailov.

Nikolai Arkadievich Izmailov [PhD (1937), ScD, Professor (1948), Corresponding Member of the Ukrainian Academy of Sciences (1957)] headed the Department of Physical Chemistry of Kharkov State University from 1944 to 1961. All his scientific activity was connected with Kharkov University and Kharkov Pharmaceutical Research Institute.

Two main directions of scientific interests of Nikolai Izmailov were (i) the influence of the solvent on dissociation of electrolytes; (ii) statics and dynamics of sorption

from solutions. In 1938 he discovered the thin layer chromatography (together with M. Shraiber). In 1930th Izmailov investigated the possibility of application of various indicator electrodes, especially glass electrodes, in organic solvents. In 1930th – 1950th, he proposed the most detailed scheme of electrolytes dissociation in solutions, generalized the concept of unique acidity scale in different solvents, proposed several new methods for estimating Gibbs energy of ion solvation, and contributed a lot to the theory of physico-chemical analysis. Izmailov was one of the pioneers in application of radioactive indicators in physical chemistry.

Izmailov is the author of more than 270 publications; his treatise 'Electrochemistry of Solutions' (1959) is well known to those working in the field of solution chemistry and still is frequently cited.

31 persons got PhD degree under Izmailov's supervision and 11 got ScD degree (A. M. Shkodin, V. N. Eremenko, V. D. Bezugliy, V. V. Aleksandrov, E. F. Ivanova, E. V. Titov, Yu. A. Krugliyak, O. M. Konovalov, V. P. Georgievskiy, V. D. Chmil, V. I. Lebed).

The Organizing Committee is grateful to the following organizations and persons, who financially supported the Conference: V. Karazin Kharkiv National University; the Alumni Association of V. Karazin Kharkiv National University; SAGMEL Incorporation; Kharkiv University graduate S. N. Goncharov; and an anonymous sponsor from Russia.

MODERN PHYSICAL CHEMISTRY for ADVANCED MATERIALS

VENUE

The main building of V.Karazin Kharkiv National University, 4 Svoboda Square
Approach by underground: “Universitet” or “Derzhprom” stations.

ACCOMODATION

Hotel “**Kharkov**” – 7 Svoboda Square.

Approach by underground: “Universitet” or “Derzhprom” stations.

Hotel “**Tourist**” – 144 Moskovskii Avenue.

Approach by underground: “Marshala Zhukov” station.

Student’s hostel (prophylactorium) “**Burevestnik**” – Otakara Yarosha Lane.

Approach by underground: “Botanichnii sad” station.

REGISTRATION

V.Karazin Kharkiv National University, 4 Svoboda Square

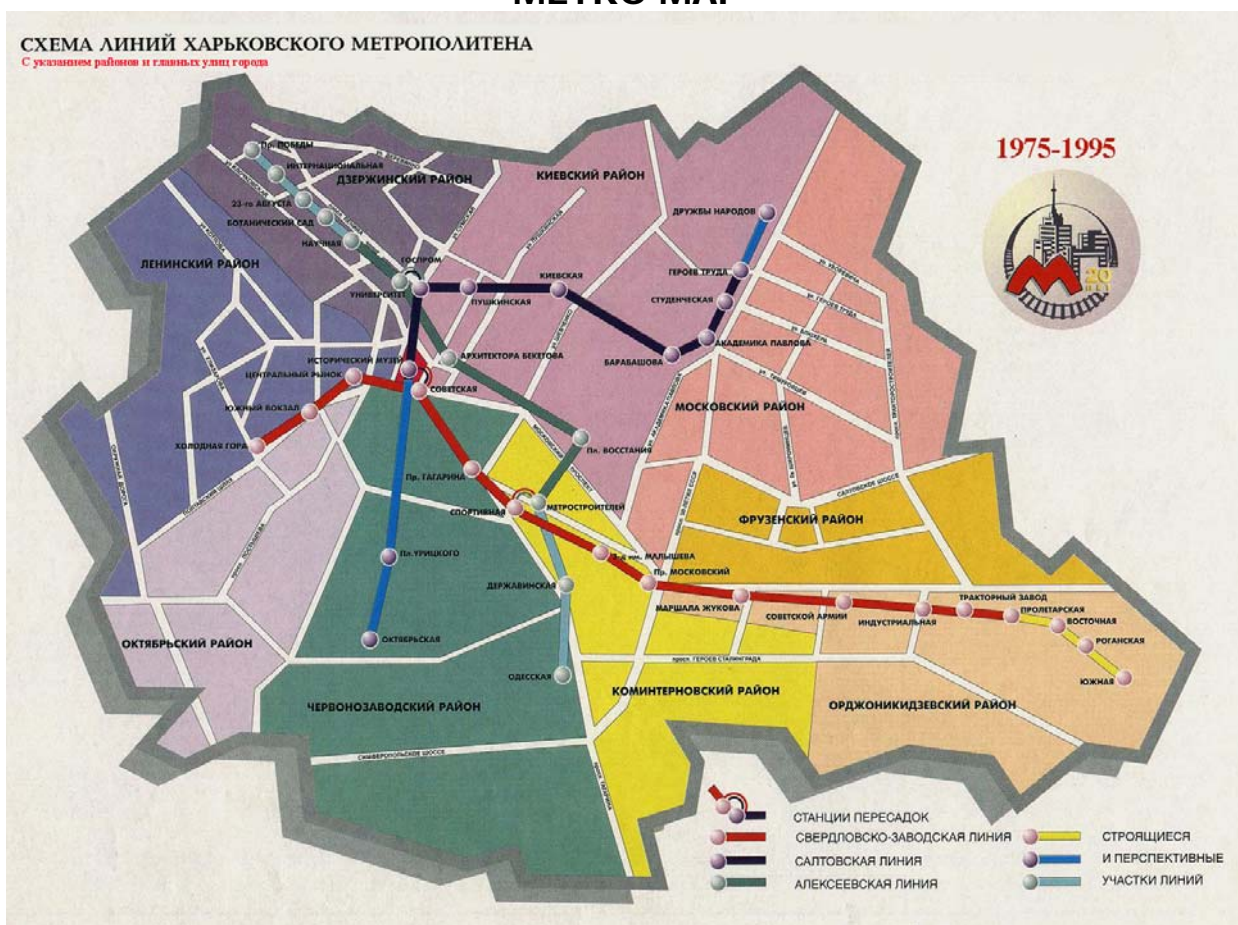
June 25, June 26, 2007 (Monday, Tuesday)

9⁰⁰-18⁰⁰: foyer of the Assembly Hall, 2nd floor

June 26, 2007 (Tuesday)

8⁰⁰-11³⁰: foyer of the Assembly Hall, 2nd floor

METRO MAP



SCIENTIFIC PROGRAM

TYPES OF PRESENTATIONS

Plenary lectures (30 min presentation plus 10 min for questions)
Keynote (up to 25 min including questions) and oral (up to 20 min including questions) symposia presentations.

Poster presentations (A0: 841mm×1189mm).

SYMPOSIA (keynote, oral and poster presentations)

C. Chromatography

E. Electrochemistry

K. Kinetics and Catalysis

M. Material Science

P. Photochemistry and Fluorescence

S. Solution Chemistry

T. Theoretical Chemistry

June 26, 2007 (Tuesday)

11⁰⁰: “Scientific Heritage of Nikolai Izmailov and Topical Problems of Physical Chemistry”. Exhibition devoted to the 100th anniversary of the birth of Professor N. Izmailov (Museum of history of V. Karazin Kharkiv National University, 2nd floor)

12⁰⁰: Opening ceremony and concert (Assembly Hall, 2nd floor)

13⁰⁰–14⁰⁰: Lunch (“Bunker” café, Ground floor)

14⁰⁰-18²⁰: **PLENARY LECTURES** (K. Sinelnikov Auditorium, 7th floor)

CHAIRMAN: Alexander Korobov

1. Eiji **OSAWA** (Japan): Emergence of non-fullerene nanocarbons – nano-onions and nanodiamonds.
2. Anatoly **POPOV** (Ukraine): Design of green microorganized systems for decomposition of ecotoxicants.
3. Christian **REICHARDT** (Germany): Pyridinium N-phenolate betaine dyes as empirical indicators of solvent polarity: some new findings.

Coffee-break (20 minutes)

CHAIRMAN: Gerbert Kamalov

4. Christian **AMATORE** (France): Ultramicroelectrodes and biology of the living cells and living tissues: “good” and “bad” sides of oxidative stress.
5. Douglas **KLEIN** (USA): Defects and their properties in graphitic nanostructures.
6. Oleg **PREZHDO** (USA): Time-domain *ab initio* studies of ultrafast excitation dynamics in nano-materials.

18³⁰: Get-together party (“Bunker” café, Ground floor)

June 27, 2007 (Wednesday)

9⁰⁰–12⁰⁰: PLENARY LECTURES (K. Sinelnikov Auditorium, 7th floor)

CHAIRMAN: **Eiji Osawa**

1. Vitaly **KALCHENKO** with V.BOYKO, R.RODIK, S.CHERENOK, S.MIROSHNICHENKO and A.YAKOVENKO (Ukraine): Calixarene receptors of environmentally hazardous and bio-relevant molecules and ions.
2. Armand **LATTES** (France): Organized molecular systems as reaction media: a green alternative to the phase transfer catalysis.

Coffee-break (30 minutes)

3. Nikolay **MCHEDLOV-PETROSSYAN** (Ukraine): Protolytic reactions in self-assembled systems: differentiating action of lyophilic nanosized dispersions.

12¹⁵–13¹⁵: Lunch (“Bunker” café, Ground floor)

13³⁰–15⁴⁵: PLENARY LECTURES (K. Sinelnikov Auditorium, 7th floor)

CHAIRMAN: **Christian Reichardt**

4. Noriaki **FUNASAKI** (Japan): Physical chemistry and applications of cyclodextrin.
5. Gerbert **KAMALOV** with S. KOTLYAR (Ukraine): Structural and topological factors of the crown ethers interaction with neutral and charged “guests”.
6. Alexander **ISCHENKO** (Ukraine): Photonics and molecular design of dye-doped polymers for modern light-sensitive materials.

Coffee-break (30 minutes)

16¹⁵–17⁴⁵: PLENARY LECTURES

CHAIRMAN: **Anatoly Popov**

7. Masashi **HOJO** (Japan): Elucidation of specific ion-association in non-aqueous solution environments.
8. Yuriy **KHOLIN** with S. MYERNIY, A. PANTELEIMONOV and I. KHRISTENKO (Ukraine): Quantitative physico-chemical analysis of processes at interfaces of hybrid silica-organic materials.

18¹⁵: **Walking tour “The best of Kharkiv”**

June 28, 2007 (Thursday)

9⁰⁰–11⁴⁵: PLENARY LECTURES (K. Sinelnikov Auditorium, 7th floor)

CHAIRMAN: **Volodymyr Zaitsev**

1. Viktor **GEORGIEVSKIY** (Ukraine): Contribution of N. A. Izmailov to quality control and development of drugs.
2. Victor **BEREZKIN** (Russia): Invention of thin-layer chromatography by N. A. Izmailov and M. S. Shraiber and modern perspectives of TLC development.
3. Erno **TYIHAK** with E. MINCSOVICS, Gy. KATAY, Zs. KIRALY-VEGHELY, A.M. MORICZ and P.G. OTT (Hungary): BioArena: unlimited possibility of biochemical interactions in adsorbent layer after TLC/OPLC separation.

12⁰⁰–13⁰⁰: Lunch (“Bunker” café, Ground floor)

13¹⁵–16⁴⁵ SYMPOSIA (with 30 minutes coffee-breaks):

C. Chromatography (D. Bagaley Auditorium 5-61, 5th floor)

M. Material Science (K. Sinelnikov Auditorium, 7th floor)

S. Solution Chemistry (N. Izmailov Auditorium 7-80, 7th floor)

T. Theoretical Chemistry (M. Kostomarov Auditorium 5-58, 5th floor)

17⁰⁰–18⁰⁰: Poster section (foyer of the Assembly Hall, 2nd floor)

18³⁰: **Banquet**

June 29, 2007 (Friday)

9⁰⁰–11⁴⁵: PLENARY LECTURES (K. Sinelnikov Auditorium, 7th floor)

CHAIRMAN: **Erno Tyihak**

1. Yoshitaka **GUSHIKEM** (Brazil): Synthesis and applications of functionalized silsesquioxanes polymers attached to organic and inorganic matrices.
2. Jacek **KLINOWSKI** (UK) with D. MAJDA (Poland, UK), R. BELL (UK) and F. A. ALMEIDA PAZ (Portugal): Discovering new crystal architectures.
3. Wolfram **SCHRÖER** (Germany): The liquid-liquid phase transition of ionic liquids in solution: Criticality and corresponding states.

12⁰⁰–13⁰⁰: Lunch (“Bunker” café, Ground floor)

13¹⁵–16⁴⁵: SYMPOSIA (with 30 minutes coffee-breaks):

M. Material Science (K. Sinelnikov Auditorium, 7th floor)

P. Photochemistry and Fluorescence (D. Bagaley Auditorium 5-61, 5th floor)

S. Solution Chemistry (N. Izmailov Auditorium 7-80, 7th floor)

T. Theoretical Chemistry (M. Kostomarov Auditorium 5-58, 5th floor)

17⁰⁰–18⁰⁰: Poster section (foyer of the Assembly Hall, 2nd floor)

18¹⁵: **Walking tour “The best of Kharkiv”**

June 30, 2007 (Saturday)

9⁰⁰–12⁰⁰: SYMPOSIA (with 30 minutes coffee-break):

E. Electrochemistry (K. Sinelnikov Auditorium, 7th floor)

K. Kinetics and Catalysis (N. Izmailov Auditorium 7-80, 7th floor)

12⁰⁰–13⁰⁰: Lunch (“Bunker” café, Ground floor)

13⁰⁰: Bus excursion to Chuguev, native town of great Russian painter Elias Repin.

SYMPOSIA

C. Chromatography (June 28, 2007)

CHAIRPERSONS: Lidiya Loginova, Victor Berezkin, Olexandr Gryzodub and Erno Tyihak

ORAL PRESENTATIONS			
1	V.D. Chmil	Ukraine	Development of N.A. Izmailov scientific ideas in the modern chromatographic analysis of toxic organic substances
2	M.V. Milyukin	Ukraine	Solid-phase extraction in determination of organic compounds in water by GC/MS
3	O.I. Gryzodub	Ukraine	Some approaches to standardization in LC analysis
4	A.G. Verushkin, <u>A.Yu. Kulikov</u>	Ukraine	Micellar liquid chromatography in pharmaceutical analysis
5	O.A. Zinchenko	Ukraine	Determination of boron and arsenium impurities in medicinal substances by reaction gas chromatography
6	<u>L.P. Loginova</u> , A.P. Boichenko, A.U. Kulikov, A.L. Iwashchenko, E.Yu. Yakovleva	Ukraine	Description of retention in micellar liquid chromatography based on mass-action concept of micelle formation
7	<u>S. Sur</u> , N. Zhukova, I. Eisman	Ukraine	Control of residual volatile organic impurities profile in active pharmaceutical substances by GC/MS

E. Electrochemistry (June 30, 2007)

CHAIRMAN: Noriaki Funasaki

KEY-NOTE PRESENTATIONS			
1	<u>M. Waskaas</u> , V. Daujotis, K.E. Wolden, R. Raudonis, D. Plausinaitis	Norway	Water Flow Adjacent to a Polarized Epoxy Coated Electrode
ORAL PRESENTATIONS			
2	A. Oleinick, <u>O. Klymenko</u> , C. Amatore, I. Svir	Ukraine France	An algorithm for the simulation of ECL intensity measured using confocal microscopy in double band microelectrode system
3	<u>A. Oleinick</u> , C. Amatore, I. Svir	Ukraine France	Construction of optimal quasi-conformal mappings for the 2D numerical simulation of diffusion at microelectrodes. application to recessed disks and bands and their arrays
4	<u>E. Faulques</u> , F. Massuyeau, J. Wéry, J-L. Duvail, E. Mulazzi	France Italy	Luminescence decay of poly(<i>p</i> -phenylene vinylene) nanowires and nanocomposites

K. Kinetics and Catalysis (June 30, 2007)

CHAIRMAN: **Sergey Shtykov**

KEY-NOTE PRESENTATIONS			
1	<u>V. I. Rybachenko</u> , A. N. Redko, G. Schroder, C. Yu. Chotiy	Ukraine Poland	N-acylonium salts as driving force in the inverse phase transfer catalysis reactions
2	<u>V. Tatarchuk</u> , <u>A. I. Bulavchenko</u> , I. A. Druzhinina	Russia	Kinetics of the processes with the participation of silver and gold nanoparticles in micellar solutions.
ORAL PRESENTATIONS			
3	<u>M. M. Moarefdoust</u> , S.A. Latifi, S.J.E. Koohbanani, A. Amiri	Iran	Determination of Activation Parameters in Reaction of Oxidation of Azid by Iodine in the Presence of Thiosulphate as a Catalyst in Buffer Solution

M. Material Science (June 28, 2007)

CHAIRMAN: **Vitaly Kalchenko**

KEY-NOTE PRESENTATIONS			
1	V. M. Koshkin	Ukraine	Material science of radiation stability: the crystal-chemical approach
2	<u>V. Zaitsev</u> , S. Alekseev, T. Kovalchuk	Ukraine	Porous silicon as a support for development of miniature analytical devices
3	<u>I. Fritsky</u> , Yu. S. Moroz, V. V. Skopenko	Ukraine	Design and Functional Properties of New Nanostructure Magnetic Materials on the Base of Polynuclear Metal Complexes
4	B. Zhmud	Sweden	Profiting from knowledge: culture of open innovation in industrial R&D and the industry-university partnership
ORAL PRESENTATIONS			
5	<u>T. Rusanova</u> , A. Kalach, D. Gorin, S. Rummyantseva, S. Shtykov, I. Ryzhkina	Russia	Nanoscale Langmuir-Blodgett films based on calix[4]resorcinarenes: preparation, properties and application in chemical sensors
6	<u>E. Lebed</u> , O. P. Pospelov, B. I. Bajrachnyj, A. V. Savitsky, G. V. Kamarchuk	Ukraine	Electrochemical formation of copper gas-sensitive nanostructures in solid electrolyte
7	<u>I. Berezovska</u> , V. V. Yanishpolskii, V. A. Tertykh	Ukraine	Synthesis of mesoporous silica matrices with spherical morphology of particles

M. Material Science (June 29, 2007)

CHAIRMAN: **Yoshitaka Gushikem**

KEY-NOTE PRESENTATIONS			
1	A. Walcarius	France	Electrochemistry of mesoporous silica films
2	K. Katok, V. Tertykh, V. Yanishpolskii	Ukraine	Nanoparticles of metals in surface layer of silica matrices
ORAL PRESENTATIONS			
3	I. Berezovska, V. V. Yanishpolskii, V. A. Tertykh	Ukraine	Synthesis of mesoporous silica matrices with spherical morphology of particles
4	M. Babazadeh	Iran	The effects of chemical modification of styrenic polymers by bulky organosilyl groups on structure and thermal properties
5	V. Nesterenko	Belarus	Physicochemical investigation of materials based on polyacrylonitrile derivatives and heterometallic complexes of some d-elements
6	N. Babakhani	Iran	Determination of reactivity ratios for AM and NVP monomers in copolymerization and study effect of pH on reactivity ratios of monomers

P. Photochemistry and Fluorescence (June 29, 2007)

CHAIRMAN: **Andrey Doroshenko**

KEY-NOTE PRESENTATIONS			
1	E. Glebov, V. Korolev, V. Grivin, V. Plyusnin, O. Fedorova, A. Koshkin, S. Gromov, M. Alfimov, Yu. Shklyayev, T. Vshivkova, Yu. Rozhkova, A. Tolstikov, V. Lokshin, A. Samat	Russia	Effect of metal cations on the photochromism of spirooxazines
ORAL PRESENTATIONS			
2	D.-J. Liaw, K.-L. Wang, K.-R. Lee, J.-Yi. Lai	Taiwan	Synthesis, thermal, optical, electrochemical, electrochromic and protonation characterization of novel advanced polyimide materials
3	K. Skorb, D. V. Sviridov	Belarus	Photocatalytic activity of nanostructured TiO ₂ films modified by bimetallic particles
4	G. Pakhomov, E. Leonov, D. Kosterin, L. Pakhomov	Russia	Structure and photoconductivity of mixed phthalocyanine layers
5	Sh. Nizomov, M. Barakaeva, A. Tatarets, L. Patsenker, N. Nizamov	Uzbekistan	Spectroscopic study of squaraine dyes aggregation in solutions
6	L. Patsenker, E. Terpetschnig, B. Krasovitskii, O. Kolosova, I. Fedyunyayeva, A. Tatarets, Ye. Povrozin, I. Yermolenko	Ukraine USA	Advanced fluorescent materials for biomedical applications

S. Solution Chemistry (June 28, 2007)

CHAIRMAN: **Wolfram Schröer**

KEY-NOTE PRESENTATIONS			
1	M. Hojo, T. Ueda, M. Ike, K. Koizumi, M. Kobayashi, H. Nakai	Japan	Experimental and theoretical studies on the interactions between proton or the lithium ion and the 4-isopropyltropolonate ion in aprotic solvents
ORAL PRESENTATIONS			
2	O. Zatolochnaya, E. Kuznetsova	Russia	Quasi-lattice model in the theory of activities of strong electrolytes and its use for the solution of various problems in physical chemistry
3	V. Matveev, Yu. Chernyshev	Russia	Determination of solvent and ions mobility in nonaqueous electrolyte solutions by means of multinuclear NMR
4	S. Kirillov, A. Morresi, M. Paolantoni, P. Sassi	Ukraine Italy	Spectroscopic manifestation of the AGIBA (Angular Group Induced Bond Alteration) effect in liquids
5	V. Bulavin	Ukraine	Equilibrium and transport properties of hydrogenhalides in non-aqueous solutions
6	S. Shapovalov	Ukraine	Association of ionic forms of dyes in solution: from measuring spectral data to forecasting the associates stability
7	Je. Tsurko	Ukraine	Thermodynamic description of contributions due to solute and solvent parameters into solvation and association of aliphatic amino acids in mixed solvents

S. Solution Chemistry (June 29, 2007)

CHAIRMAN: **Masashi Hojo**

KEY-NOTE PRESENTATIONS			
1	S. Shtykov	Russia	Organized media – a strategy of chemical analysis based on the principles and effects of nano- and supramolecular chemistry
ORAL PRESENTATIONS			
2	N. A. Vodolazkaya, Yu. Gurina, N. Salamanova, N. O. Mchedlov-Petrosyan	Ukraine	Spectroscopic study of acid-base ionization and tautomerism of fluorescein dyes in direct microemulsions at high bulk ionic strength
3	Yu. F. Zuev	Russia	Modified action of reagents on the structure and properties of surfactant-based microheterogeneous reaction media
4	V. Kartsev, V. Tsepulin, S. Shtykov, K. Pankin,	Russia	Precise dilatometry of 2-hydroxypropyl- β -cyclodextrin aqueous solutions
5	N. A. Otroshko, O. Kalugin, I. Vyunnik	Ukraine	Solvation of $[\text{Ni}(\text{En})_3]^{2+}$ ion in water and methanol

T. Theoretical Chemistry (June 28, 2007)

CHAIRMAN: Vladislav Cheranovskii

KEY-NOTE PRESENTATIONS			
1	Yu. Tarasenko, V. Khavryuchenko	Ukraine	Acid-base equilibrium on the active carbon surface: quantum-chemical point of view
2	D. Majda, A. Korobov, J. Klinowski	Poland Ukraine UK	Chemistry of form in understanding solid state reactions
3	V. Ivanov	Ukraine	Multireference state-specific coupled cluster theories
4	D. Nerukh, M. Fedorov, C. Jensen, R. Glen	UK	Physical chemistry of aqueous solutions of macromolecules: the emergence of self-organized structures
5	V. Chaban, O. Kalugin	Ukraine	Carbon nanotubes with acetonitrile electrolyte solutions as promising materials for supercapacitors

T. Theoretical Chemistry (June 29, 2007)

CHAIRMAN: Alexander Korobov

KEY-NOTE PRESENTATIONS			
1	V. O. Cheranovskii, E. V. Ezerskaya	Ukraine	Magnetic properties of anisotropic spin ladders
2	O. Kalugin	Ukraine	Dynamic structure of non-aqueous solvents and electrolyte solutions
3	G. Chuev	Russia	Multi-scale density functional theory of solvation: from simple solutes to self-assembled nanostructures
ORAL PRESENTATIONS			
4	O. Roik, O. Samsonnikov, V. Kazimirov, V. Sokol'skii	Ukraine	Features of liquid Al-Ni, Al-Co alloys' structures in the range of existence of quasicrystalline phases

POSTER PRESENTATIONS

June 28, 2007

1.	<u>Ye.-S. Gal</u> , S.-H. Jin, W.-Ch. Lee, J.-W. Park, S. Y. Kim	Korea	Electro-optical and electrochemical properties of an ionic conjugated polymer: poly(2-ethynylpyridinium-N-benzoylsulfonate)
2.	<u>D. A. Krysenko</u> , V. E. Polyakov, Yu. I. Tarasevich	Ukraine	Combined microcalorimetric and sorption-analytic studies of ion exchange thermodynamics on mordenite
3.	<u>O. Perlova</u> , O. Katsarska, V. Pivneva	Ukraine	Some physical chemical properties of the paraffin interface modified by surfactants
4.	<u>I. Matushko</u> , <u>V. Yatsimirsky</u> , N. Nikitina, O. Kaskevych, N. Derkachenko, N. Maksymovych	Ukraine	Study of influence of additions of Co, Ni or Cu on sensitivity of adsorption semiconductor sensor towards H ₂
5.	<u>A. Savitsky</u> , A. Pospelov, A. Khotkevich, V. Gudimenko, G. Kamarchuk	Ukraine	Nonlinear conductivity of point-contact sensors under gas action
6.	<u>A. Prusskiy</u> , V. Kalugin, A. Voitov	Ukraine	Semi-conductor sensors of gas fire detectors for detection of midget concentration of gaseous pyrolysis products
7.	<u>A. Kobets</u> , T. Vorobyova, O. Reva	Belarus	The usage of organic Sn(II) containing sols in conductive metal pattern production
8.	<u>S. Riabov</u> , L. Kobrina, A. Yakovenko, V. Boyko, V. Kalchenko, I. Koshets, Z. Kazantseva, T. Kozlova	Ukraine	Development of nanosensors based on the functionalised cyclodextrins and calixarenes
9.	<u>V. Lisnyak</u>	Ukraine	Surface tension of potassium phosphotungstate melts
10.	<u>N. Babayevskaya</u> , A. Kryzhanovskaya, Yu. Savin, A. Tolmachev	Ukraine	Low-temperature synthesis of nanocrystalline Ca ₁₀ (PO ₄) ₆ F ₂ and GdPO ₄ doped with rare earth elements
11.	<u>N. Kalashnyk</u> , C. Bombis, F. Besenbacher, T. Linderoth	Denmark	Molecular self-assembly on NaCl/Au(111) substrate
12.	<u>V. Morenko</u> , A. Belyj, A. Nikolaevsky	Ukraine	Physicochemical investigation of iron-yttrium garnet solutions in the PbO-B ₂ O ₃ -BaO-BaF ₂ melt
13.	<u>V. A. Starodub</u> , <u>G. Vasilets</u>	Ukraine	Crystal structure and electrical properties of anion-radical TCNQ salts (N-Me-2,5-di-Me-Pz)(TCNQ) ₂ and (N-Me-2,6-di-Me-Pz)(TCNQ) ₂ , (Pz is pyrazine)
14.	<u>Yu. S. Dzyazko</u> , Yu. P. Gomza, S. D. Nesin	Ukraine	Investigation of inorganic ion-exchange nanomaterials with small-angle X-ray scattering and impedance spectroscopy

15.	S. A. Khaynakov, O. A. Khaynakova, A. Espina, C. Trobajo, J. R. García, S. García-Granda	Spain	The synthesis and properties of nanomaterials based on titanium phosphate
16.	O. Fedorchuk, V. Doroschuk, S. Kulichenko	Ukraine	The phase behaviour of the polyoxyethylated non-ionic surfactants in the presence of phenol
17.	V. Chumak, N. Guts, E. Kofanova,	Ukraine	Conductometric investigation of trifluoroacetic acid solutions in non-aqueous media
18.	M. Kustov, V. Kalugin	Ukraine	Molecular and electrolyte solution systems in fire suppression
19.	V. Chumak, E. Kofanova	Ukraine	Thermodynamic characteristics of asymmetrical electrolytes in non-aqueous media
20.	M. Fedotova, V. Trostin	Russia	Self-organization of NaCl-H ₂ O system at high pressures
21.	M. Fedotova	Russia	Structural features of supercritical aqueous NaCl solution
22.	N. Bondarev	Ukraine	Thermodynamics of chemical equilibria. Methodological and practical aspects
23.	O. Sytnik, T. Andryucshenko, L. Lebedeva, E. Petrina, A. Krasnopyorova	Ukraine	Phase equilibria in multi-component aqueous systems based on Na ₂ SO ₄ and polyethyleneglycols
24.	K. Krzyminski, M. Przyborowska, A. Roshal, T. Ossowski, J. Blazejowski	Poland Ukraine	Tautomerism of some 9-aminoacridine derivatives: relative stability of tautomers and their spectral properties
25.	D. Filatov, S. Goga, V. Panchenko, N. Mchedlov-Petrossyan	Ukraine	Ionization constants of organic acids of different nature in acetone containing 5 mol.% of DMSO
26.	I. Profatilova, O. Kalugin, A. Boumber, G. Dushenko, I. Mikhailov	Russia	Redox properties and conductivity of amidinylcyclopentadiene metal complexes
27.	V. Ageenko, N. Otroshko, O. Kalugin, V. Moroz, A. Roshal	Ukraine	Conductance and association of M(ClO ₄) ₂ (M=Mg, Ca, Ba) in acetonitrile
28.	P. Efimov, I. Vyunnik, A. Zholnovach	Ukraine	Ionic mobility in non-aqueous and mixed solvents
29.	E. Lukinova, Yu. Usina, O. Kalugin	Ukraine	Conductivity and interparticle interactions in solutions of Bu ₄ NBr in acetonitrile
30.	T. Chernozhuk, O. Kalugin	Ukraine	Microscopic description of ion association constants of 1-1 electrolytes in propylene carbonate and gamma-butyrolactone
31.	O. Lukavenko, S. Eltsov, A. Grigorovich, N. O. Mchedlov-Petrossyan	Ukraine	Solubility and fluorescence lifetime of 2,5-diphenyl-oxazole and 1,4-bis(5-phenyl-oxazolyl-2) benzene in water-ethanol and water-acetone solvent systems

32.	<u>S. Goga</u> , E. Glazkova, V. Panchenko, N. O. Mchedlov-Petrossyan	Ukraine	Thermodynamics of cetyltrimethylammonium and N-cetylpyridinium perchlorates solubility in water – organic mixtures
33.	<u>N. Bryantseva</u> , I. Sokolova, V. Khilya, Ya. Garazd	Russia	Spectroscopic investigation of physical-chemical properties of furocoumarins
34.	<u>V. Jovanovski</u> , B. Orel	Slovenia	Ionic liquid based on polyhedral silsesquioxane
35.	<u>Yu. Andriyko</u> , V. Chumak, G. Nauer	Austria	Thermodynamics of conductivity and viscous flow of the solutions 1-butyl-2,3-dimethylimidazolium tetrafluoroborate – propylene carbonate
36.	<u>O. Chebotaryov</u> , <u>R. Khoma</u>	Ukraine	The mathematical modeling of equilibria processes of hexafluorosilica acid – amine aqueous solutions by potentiometric results
37.	<u>A. Dolgareva</u> , V. Panchenko, O. Kalugin, A. Nikolaychuk, I. Vyunnik	Ukraine	Electrical conductivity and inter-ion association with the formation of the ion pairs and triple ion of LiClO ₄ and NaClO ₄ in tetrahydrofuran at 5-45 °C
38.	<u>N. Gribova</u> , A. Nikolaevskij, N. Belaya, T. Filippenko	Ukraine	Temperature and electric field influence on the natural phenols oxidation process in an aqueous medium
39.	<u>Yu. Zevatskiy</u> , <u>D. Samoylov</u>	Russia	Empirical method of the account of influence of solvent dissociation constants of some carboxylic acids
40.	<u>A. Krasnopyorova</u> , A. Dyshin, O. Eliseeva, M. Kiselev	Ukraine	Physico-chemical properties of naphtalene in the individual and mixed solvents
41.	<u>A. G. Matveeva</u> , A.S. Peregodov, E.I. Matrosov, Z.A. Starikova, S.V. Matveev, E.E. Nifant'ev	Russia	Application of ³¹ P NMR spectroscopy for studying ionic equilibria in solutions of lanthanide nitrates complexes with phosphoryl-containing ligands
42.	<u>S.V. Shekhovtsov</u> , N.O. Mchedlov-Petrossyan, S. M. Desenko, V. I. Musatov	Ukraine	The interactions of solvatochromic pyridinium <i>N</i> -phenolates with L- and H-acids in solutions. Vis- and NMR-spectroscopic studies
43.	<u>I. Palval</u> , A. Lebed, E. Nikiforova, V. Panchenko, N. Mchedlov-Petrossyan	Ukraine	Ionic equilibrium in solvents with low relative permittivity: ion pairs, triplets, and quadrupoles formed by tetra-n-butylammonium picrate as studied by conductivity
44.	<u>E. Nikiforova</u> , A. Lebed, E. Bryleva, N. Mchedlov-Petrossyan	Ukraine	Association of some complex organic ions in mixed and non-aqueous media. the influence of solvent and cation nature
45.	<u>L. I. Kasyan</u> , A. V. Turov, O. P. Mikhaylenko, S. A. Pridma	Ukraine	Structure elucidation for frame aminoalcohols using modern high-resolution NMR methods

46.	R. D. Oparin, M. V. Fedotova, A. I. Frolov, M. G. Kiselev	Russia	An investigation of associative ability of the sub- and supercritical carbon dioxide molecules under isothermal compression and isobaric heating
47.	D. I. Lyakh, V. V. Ivanov	Ukraine	Nitrogen molecule dissociation in the coupled cluster theory
48.	G. Litinskii	Ukraine	Statistical thermodynamics of model polar liquids and their mixes
49.	O. Samsonnikov, V. Kazimirov, O. Roik, V. Skol'skii	Ukraine	Effectiveness of modeling liquid metals' structures by molecular dynamics and reverse Monte-Carlo methods
50.	A. Kravchenko, V. O. Cheranovskii	Ukraine	Effect of strong finite electron repulsion on ferromagnetic ordering in Hubbard model
51.	A. Chroneos, I. Goilatis	Greece	Impurity-vacancy pair stability in GeC
52.	A. Kyrychenko, J. Waluk	Ukraine Poland	Favorable binding sites and localization of pyrroloquinoline analogues in a DPPC bilayer from molecular dynamics simulations
53.	A. Postupna, Ya. Kolesnik, O. Kalugin	Ukraine	Molecular dynamics simulation of Li ⁺ solvation in propylene carbonate
54.	V. Nikolaev	Russia	Non-continuum models of van der Waals interactions for describing the physicochemical properties of pure molecular liquids and binary solutions of non-electrolytes
55.	S. Galushko, O. Roik, O. Samsonnikov, V. Kazimirov, V. Sokol'skii	Ukraine	Structure of Al-Cu melts in region of 0-40 at. % of Cu.
56.	V. Barsukov, A. Katashinskii, V. Khomenko, K. Likhnikskii	Ukraine	Quantum-chemical modeling doped conducting polymers and their molecular complexes with oxygen
57.	V. Plavan, A. Katashinskii, V. Barsukov	Ukraine	Quantum-chemical analysis of interaction between vegetable polyphenols and collagen
58.	S. Korniy, V. Pokhnurskii	Ukraine	Quantum-chemical study of the adsorption of chlorine ions from aqueous solutions at intermetallics CuAl ₂ and CuAl ₂ Mg surface
59.	T. Klimenko, V. V. Ivanov, L. Adamowicz	Ukraine USA	Vibrational states of diatomics' in the state specific multi-reference couple-cluster theory
60.	V. Bulavin, A. Kramarenko	Ukraine	Ab initio calculation of thermodynamics, spectra and geometry for proton contained clusters in methanol and ethanol
61.	A. Korsun, Ya. Kolesnik, O. Kalugin	Ukraine	Quantum molecular dynamics simulation of LiBr in acetonitrile
62.	A. P. Boichenko, L. P. Loginova, A. U. Kulikov, A. L. Iwashchenko, E. Yu. Yakovleva	Ukraine	Application of chemometrics in reversed-phase liquid chromatography and related techniques

63.	<u>T. Angelov</u> , W. Tashkov	Bulgaria	Determination of lipophilicity parameter of sirolimus and its analytical concentration in blood by HPLC
64.	<u>V. Coman</u> , Ş. Kreibik, M. Filip, E. Bodoki	Romania	New approaches in planar dielectrochromatography using the vertical chamber
65.	R. Grecu, <u>V. Coman</u> , V. Avram	Romania	Intermolecular interactions in solutions studied by infrared spectroscopy
66.	V. O. Doroschuk	Ukraine	The regularities of the interphase distribution in the cloud-point extraction systems: the influence of the substrates' nature, structure, hydrophobicity and charge
67.	<u>N. A. Gonta</u> , L. L. Nedashkivska	Ukraine	Clouding and the phase separation in non-ionic surfactant Triton X 100 micellar solutions
68.	<u>S. O. Lelyushok</u> , S. A. Kulichenko, V. O. Doroshuk	Ukraine	Distribution of cationic surfactants and their associates between the water and nonionic surfactant-rich phases at cloud point temperature
69.	<u>A. P. Boichenko</u> , <u>L. P. Loginova</u> , A.U. Kulikov, A.L. Iwashchenko, M.M. Galat	Ukraine	Hydrophobicity-retention and retention-hydrophobicity relationships in micellar liquid chromatography
70.	I. M. Maga	Ukraine	Influence of physical and chemical conditions on chromatographic determination of derivatives of hydrophilic organic compounds
71.	<u>V. S. Starova</u> , S. A. Kulichenko	Ukraine	Phase separation in the organized systems based on the anionic surfactants for preconcentrating microcomponents
72.	<u>L. P. Loginova</u> , <u>D. V. Yedamenko</u> , A. I. Pugach, A. N. Lavrenenko	Ukraine	Application of organized solutions of surfactant in sample preparation and thin-layer chromatographic analysis
73.	<u>N. Zvolinska</u> , S. Chikalova	Ukraine	Results of R_f values reproducibility investigation by interlaboratory TLC studies

POSTER PRESENTATIONS

June 29, 2007

74.	<u>N. Matveevskaya</u> , A. Tolmachev	Ukraine	Obtaining of ensembles platinum and palladium nanocrystals on silicium dioxide nanoparticles
75.	<u>E. Bryleva</u> , N. Vodolazkaya, N. O. Mchedlov-Petrosyan, L. Samokhina, N. Matveevskaya	Ukraine	Aqueous suspension of silica nanoparticles modified with cationic surfactant: equilibria of acid-base indicators
76.	<u>Y. Yermolayeva</u> , A. Tolmachev	Ukraine	Creation of ZnO quantum dots ensembles on the surface of silica nanoparticles

77.	<u>M. Malysheva</u> , Eu. Voronin	Ukraine	A role of silanol groups in sorption processes on silica surfaces
78.	V. Tertykh, V. V. Yanishpolskii, I. S. Berezovska, <u>K. V. Katok</u>	Ukraine	Silica matrices with ordered structure of nanopores, uniform morphology of particles and desired chemical specificity
79.	<u>Iu. Bolbukh</u> , V. Tertykh, B. Gawdzik	Ukraine, Poland	Effect of silica filler functionalization on structure of porous polymer spheres
80.	<u>A. V. Panteleimonov</u> , Yu. V. Kholin	Ukraine	Chemometric tools at building models of equilibria on surfaces of hybrid silica-organic materials
81.	<u>B. Kabulov</u> , K. Akhundjanov, D. Shakarova, S. Negmatov	Uzbekistan	Design of polymer-silica of nanocomposition materials
82.	<u>B. Kabulov</u> , F. Yunusov, K. Akhundjanov, D. Shakarova, S. Negmatov	Uzbekistan	Application of fractal theory to sol-gel synthesis of nanocomposite polymer-silica materials
83.	L. Polishchuk, E. Yanovska, V. Yanishpolskii, V. Tertykh, K. Sukhyy, M. Burmistr	Ukraine	Adsorption properties of polyionene-modified silicas
84.	<u>A. Ceklovsky</u> , Ju. Bujdak	Slovakia	Spectroscopic study of interaction of porphyrin dyes with representative layered silicates
85.	<u>O. Zueva</u> , Yu. Zuev	Russia	Influence of the reverse micelles clusterization on surface potential of phase boundary and on reaction kinetics
86.	T. Prokop'eva, V. Mikhailov, <u>T. Dorokhova</u> , M. Turovskaya, E. Karpichev, B. Panchenko, V. Savyolova	Ukraine	Micelle-forming trihalide ion organocomplexes as a basis for systems efficient in decomposition of organophosphorus compounds
87.	<u>I. Kapitanov</u> , T. Prokop'eva, M. Turovskaya, A. Shumeiko, E. Karpichev	Ukraine	Novel supernucleophilic system involving functional detergent for decomposition of organophosphorus
88.	<u>K. Boguts'ka</u> , N. Taran, L. Vakhitova	Ukraine	Environmentally safe oxidative-nucleophilic systems for decomposition of ecotoxigants
89.	V. Kartsev, V. Tsepulin, <u>S. Shtykov</u> , K. Pankin	Russia	Precise dilatometry of 2-hydroxypropyl- β -cyclodextrin aqua solutions
90.	<u>L. Vilko</u> va, N. Vodolazkaya, O. Soboleva, N. O. Mchedlov-Petrosyan, V. Boyko, R. Rodik, V. Kalchenko	Ukraine	Aqueous solutions of a cationic calix[4]arene as media for acid-base reactions

91.	<u>E. Bryleva</u> , N. Vodolazkaya, N. Mchedlov-Petrosyan, W.T. Ford	Ukraine USA	The nature of cationic poly(propylene imine) dendrimers in aqueous solutions as studied using versatile indicator dyes
92.	<u>E.N. Kolesnikova</u> , A.L. Duvalov, N.A. Glukhareva	Russia	The investigation of micelle formation in aqueous solutions of monoalkylsulfosuccinates
93.	<u>A. Bulavchenko</u> , A. Arymbaeva, D. Pletnev, V. Tatarchuk	Russia	Concentration of noble metal nanoparticles in micellar solutions of Triton N-42 and AOT
94.	L. Soldatkina, <u>Ie. Sagaidak</u>	Ukraine	Adsorption of mixed Acid Orange and sodium dodecylsulfate on the birch activated carbon
95.	<u>L. Mirosnik</u> , N. Korovnikova, A. Alexandrov, A. Dubina	Ukraine	The physico-chemical conformities of a reaction of high-molecular complex compounds formation of metal ions with polymeric fibres in mixed solvents
96.	<u>A. Vlasenko</u> , L. P. Loginova, E. L. Iwashchenko	Ukraine	Binding constants of 4-hydroxybenzoic acid esters by surfactants micellar pseudophase
97.	<u>H. Le Cong</u> , A. Matveeva, I. Levin, L. P. Loginova	Ukraine	Effect of micellar media on dissociation constants and complexation properties of diphosphonic acids
98.	<u>Z. Barsova</u> , S. Eltsov, N. O. Mchedlov-Petrosyan	Ukraine	Ionization of long-chain fatty acids in micellar solutions of surfactants
99.	S. Shtykov, T. Smirnova, <u>N. Kalashnikova</u> ,	Russia	Fluorimetric determination of some 4-fluoroquinolone and tetracycline antibacterials based on the energy-transfer in micelles of surfactants
100.	O. Khakhel', T. Romashko, <u>Yu. Sakhno</u>	Ukraine	Chemical correlation equations
101.	<u>V. Moroz</u> , A. Roshal, A. Chalyj	Ukraine	Protonation constants inversion in 4',4''-bis-(dimethylamino)-diflavonol in excited state
102.	N. Nizomov, <u>A. Kholov</u> , A. Ishchenko, V. Ishchenko, V. Khilya	Uzbekistan	Spectral-fluorescent properties of oxycoumarine dyes in solutions
103.	<u>N. Nizomov</u> , Z. Ismailov, E. Kurtaliev, S. Osmanov, A. Kholov, Sh. Rahimov, F. Khaydarova, S. Garasevich, V. Yashchuk, G. Khodjaev	Uzbekistan Ukraine	The investigation of some distyryl dyes interaction with bovine serum albumin
104.	N. Barashkov, <u>Yu. Sakhno</u> , V. Granchak, O. Khakhel', T. Sakhno	Ukraine	Aggregation-induced emission from derivatives of barbituric acid

105.	<u>O. Dolgova</u> , N. Svetlichnaya, L. Samsonova, T. Kopylova, I. Sokolova, N. Vasil'eva	Russia	Study of spectroscopic and photophysical properties of stilbens by XeCl laser excitation
106.	<u>A. Sionkowska</u> , J. Skopinska, M. Wisniewski, R. Edge, S. Navaratnam	Poland, UK	Flash photolysis and pulse radiolysis studies on elastin hydrolysates in water solution
107.	<u>O. Kolosova</u> , A. Tatarets, Ye. Obukhova, Ye. Povrozin, V. Sidorov, L. Markova, E. Terpetschnig, L. Patsenker	Ukraine USA	Photophysical properties of new squaraine-based pH-sensitive fluorescent dyes for red and near-infrared spectral region
108.	<u>Ye. Obukhova</u> , N. Vodolazkaya, N. O. Mchedlov-Petrossyan, L. Patsenker	Ukraine	Protolytic properties of xanthene dyes
109.	<u>L. Patsenker</u> , I. Borovoy, I. Fedyunyayeva, A. Tatarets, E. Terpetschnig	Ukraine USA	Enhancement and quenching of fluorescence of red and near-infrared polymethine dyes on silver and gold nanoparticles
110.	<u>A. Tatarets</u> , O. Kolosova, Ye. Povrozin, E. Obukhova, I. Fedyunyayeva, E. Terpetschnig, L. Patsenker	Ukraine USA	Photo-induced hydrolysis of thiosquarylium dyes
111.	<u>A. Tatarets</u> , S. Khabuseva, E. Terpetschnig, L. Patsenker	Ukraine USA	Spectral properties of long-wavelength dicyanomethylene-squarylium dyes
112.	<u>T. Dyubko</u> , O. Sokolyk, S. Khabuseva, T. Linnik, A. Tatarets, L. Patsenker	Ukraine	Analysis of low molecular weight cryoprotectants interaction with microsomal membrane surface using the squarine fluorescent probe
113.	<u>A. Kobzar</u> , V. Kalugin	Ukraine	Processing of liquid hydrocarbons by means of ozonization
114.	<u>V. Kalugin</u> , O. Kireev, N. Opaleva, O. Sidorenko	Ukraine	Electrochemical restoration of aliphatic alcohols containing water additives
115.	<u>O. Bersirova</u> , L. Anufriev	Ukraine	Electroplating of noble metals for advanced microelectronics and microtechnics
116.	<u>N. Mashkova</u> , F. D. Manilevich, L. F. Kozin	Ukraine	Electrochemical production of high purity manganese
117.	<u>F. Manilevich</u> , L. F. Kozin	Ukraine	Electrochemical refining of cobalt to high purity
118.	<u>Ju. Rublinetskaja</u> , E. J. Moshchenskaja, E. L. Suskina, E. O. Iljinyh, V. V. Slepushkin	Russia	Definition of parameters of distribution of phases in the matrix of heterogeneous alloys the method of the local electrochemical analysis

119.	<u>A. Bumber</u> , I. Profatilova, V. Melchin, V. Abaev, A. Butin, N. Ilyina	Russia	Electrochemical investigation of new 9-furylnaphthofurans derivatives
120.	<u>T. Nenastina</u> , T. Bairachnaya, M. Ved, N. Sakhnenko	Ukraine	Electrochemical synthesis of catalytic active alloys
121.	<u>V. Tovkes</u> , B. I. Bairachny, O. L. Smirnova	Ukraine	The electrode processes on passive metals (Fe, Ni, Co, Cr) and their alloys
122.	<u>Yu. Pirskaa</u> , V. S. Kublanovskii, V. N. Kokozay, D. V. Shevchenko	Ukraine	Oxygen reduction electrocatalysts based on pyrolysis products of heterobimetallic Cu(II)-Mn(II) complexes
123.	<u>V. V. Lisnyak</u> , V. Yatsimirsky, I. N. Gut, O.Yu. Boldyrieva	Ukraine	Effect of hydrogen tungsten (molybdenum) bronzes on catalytic activity of palladium composite catalysts in reactions of H ₂ , CO and CH ₄ oxidation
124.	<u>V. Yatsimirsky</u> , L. P. Oleksenko, L. V. Lutsenko, Ch. Yue	Ukraine	The influence of formation conditions of Co- and Ag-containing zeolite systems on the catalytic activity in CO oxidation
125.	<u>Yu. Trach</u> , L. V. Bulgakova, O. I. Makota	Ukraine	Catalytic oxidation of cyclooctene by molecular oxygen in the presence of vanadium diboride
126.	<u>V. Larin</u> , E. Khobotova, A. Pravda, M. Dobriyan, V. Datsenko	Ukraine	Physical-chemical regularities of chemical and electrochemical dissolution of copper and its alloys in chloride solutions
127.	<u>W. Reschetilowski</u> , E. Borovinskaya, V. Holodnov, G. Veniaminova	Germany Russia	Performing tasks of chemical kinetic in microreactor systems by the developed program "Kinetic 1.0"
128.	<u>V. Savyolova</u> , Yu. S. Sadovskii, T. N. Solomoychenko, T. M. Prokop'eva, Zh. P. Piskunova	Ukraine	Supernucleophilic reactivity of peroxyhydro- and peroxocarbonate ions
129.	<u>O. Makota</u> , Yu. Trach	Ukraine	Effect of olefins on catalytic decomposition of <i>tert</i> -butyl hydroperoxide
130.	<u>E. S. Ostanina</u> , V.P.Varlamov, G. I. Yakovlev	Russia	Inhibition activity of lipases by low-molecular-weight chitosan from the Great Wax Moth, <i>Galleria Mellonella</i>
131.	<u>N. Nikitina</u> , E. A. Reshetnyak, N. V. Svetlova, N. O. Mchedlov-Petrosyan	Ukraine	The protolytic properties of indicators in the gelatinous gel medium

132.	<u>O. Nesterenko</u> , L. P. Loginova	Ukraine	Absorption spectra of Reichardt betaine indicators, immobilized in gelatine and on photographic film
133.	<u>O. Bezkravnaya</u> , N. O. Mchedlov-Petrossyan, N. Vodolazkaya	Ukraine	Dye-containing polyamic acid-based Langmuir-Blodgett multilayer films as functional materials
134.	<u>F. Pissetti</u> , H.A. Magosso, I.V.P. Yoshida, Yu.V. Kholin, Y. Gushikem	Brazil Ukraine	n-Propylpyridinium chloride – modified poly(dimethylsiloxane) elastomeric network: preparation, characterization and study of metal ion adsorption from ethanol solution
135.	<u>N. Solomko</u> , O. Budishevskaya, V. Vasilyev, S. Voronov	Ukraine	Creation of chitosan nanolayers at the surface of latexes particles
136.	<u>I. Myskova</u> , O. Budishevskaya, O. Kudina, S. Voronov	Ukraine	Kinetic research of thermal decomposition of primary– tertiary peroxide groups in octen–co-maleic anhydride-co-tert-butylperoxymethylmaleate
137.	<u>Yu. Bondar</u> , L. S. Woo, H. Do-Hung	Ukraine Korea	Radiation-chemical synthesis of nano-scaled polyelectrolyte brushes onto planar polymer surfaces
138.	<u>A. Sionkowska</u> , J. Skopinska, M. Wisniewski, K. Śmiechowski	Poland	Collagen-synthetic polymer interactions in solution and in thin films
139.	<u>A.A. Chernuha</u> , A.A. Kireev, G.V. Tarasova	Ukraine	Research of physical and chemical properties of gel-forming fire extinguishing and fire-resistant compositions

SOCIAL PROGRAMME

June 25 (Monday)

9⁰⁰-20⁰⁰: All day bus excursion to Poltava (from the new building of hotel “Kharkov”)

June 26, 2007 (Tuesday)

11⁰⁰-11⁴⁰: Presentation of book “Scientific Heritage of Nikolai Izmailov and Topical Problems of Physical Chemistry” (Museum of history of V. Karazin Kharkiv National University, 2nd floor)

12⁰⁰: Opening ceremony and concert (Assembly Hall, 2nd floor)

18³⁰: Get-together party (“Bunker” café, Ground floor)

June 27, 2007 (Wednesday)

18¹⁵: Walking tour “The best of Kharkiv”

June 28, 2007 (Thursday)

18³⁰: Banquet (restaurant “Metropol”, Sumskaya Street 50)

June 29, 2007 (Friday)

18¹⁵: Walking tour “The best of Kharkiv”

June 30, 2007 (Saturday)

13⁰⁰: Bus excursion to Chuguev, native town of great Russian painter Elias Repin (from the university)

Conference Site:

V. N. Karazin Kharkiv National University,
Department of Chemistry,
4 Svoboda Square, underground stations “Universitet” or
“Derzhprom”.

Phone: +38(057)7075445

Fax: +38(057)7051261

E-mail: izmailov2007@univer.kharkov.ua

<http://izmailov2007.univer.kharkov.ua>