

International Conference
“Functional Materials”

ICFM-2007

PROGRAM

Ukraine, Crimea, Partenit
October 1 – 6, 2007

International Conference “*Functional Materials*”

Organizers:

Ministry of Education and Science of Ukraine

V.I. Vernadsky Taurida National University

Institute of Magnetism of NASU&MESU

Institute for Single Crystals of NASU

Donetsk Phys&Techn. Institute of NASU

Crimean Scientific Center of NASU&MESU

Section “Magnetism” of CPhCM of RAS

Ukrainian Physical Society

Taurida Humanitarian & Ecological Institute

with cooperation

Health Centre “Krym”,

”Zdravnitsy Yuga”,

”Kurort-Proect

ICFM’ 2007. The conference will address aspects relevant to the physics, technology and applications of new materials and structures with the determined functional properties

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Information for participants

LOCATION

The conference will be held in Partenit. Partenit is a small city on the Southern Coast of Crimea. Accommodation will be available at the Health Centre "Krym".

CONFERENCE SESSIONS will be held in the Cinema of the "Krym" Health-Resort. Information about possible amendments in the Conference Program will be available through the announcements at the Organizing Committee information desk. For more detailed info please contact the Local Organizing Committee.

PRESENTATIONS

Lecture - 30 min, Oral Presentation -15 min.

LANGUAGE

English.

CONFERENCE PROCEEDINGS

Participants are solicited to submit full papers of their accepted contribution to publish in the special issue of the "Functional Materials" journal as regular papers. One issue of the journal will include up to 40 papers of 6-8 pages (in sum with illustrations). The Program Committee will execute the preliminary selection of papers.

TRANSPORT.

The main net of public transport is available in Simferopol. The railway station, the airport is also concentrated there. So, to reach the railway station you can use a bus from Partenit to Simferopol. For seeing the nearest places of interest (Yalta, Livadiya) you can get a taxi. Nearby the main entrance of the "Krym" Health-Resort there is a taxi stop. If you have a problem with getting your return tickets inform the Organizing Committee in time.

CULTURE PROGRAM

Monday, October 1, at 20.00 – Welcome party

Tuesday, October 2 at 20.00 – Concert

Wednesday, October 3, at 14.30 – tasting of Crimean Vine collection (Yalta).

Thursday, October 4, at 20.00 – Concert.

Friday, October 5, at 20.30 – Conference Dinner

For additional information about excursions (Crimea is known by its history, landscapes, etc.) please contact the Local Organizing Committee.

TIME-TABLE OF THE DINNING-HALL 1:

8.00-9.00 – breakfast

14.00-15.00 – dinner

19.00-20.00 – supper

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Schedule of Conference

Date	Time		Oral presentations (Hall)	Poster presentations (Foyer)
Monday, October 1	15.00-16.30	Session AA	Opening. Plenary I	
	16.30-19.00	Session AB	Section 1. Fundamental Physics of Functional Materials	
	15.00-19.00	Session ER		Section 11. Materials for Medical and Environmental Applications. Biosensors
	20.00-21.30	Culture program	Welcome party	
Tuesday, October 2	9.00-11.30	Session BA	Plenary II	
	11.00-14.00	Session BB	Section 5. Piezoelectric and Magnetoelectric Materials	
	9.00-14.00	Session BP		Section 10. Nanophysics & Nanotechnologies for Functional Materials I
	15.00-17.15	Session BC	Section 6. Elastic & Magnetoelastic Phenomena. Adaptive Materials	
	17.30-19.00	Session BD	Section 11. Materials for Medical and Environmental Applications. Biosensors	
	17.45-19.00	Session RT	Round table «50-anniversary of Invention of weak ferromagnetism»(Hall 2)	
	15.00-19.00	Session BQ		Section 10. Nanophysics & Nanotechnologies for Functional Materials II
		Session BR		Section 3. Materials for Spin Electronics. Transport Phenomena
20.00-21.30	Culture program	Concert		
Wednesday, October 3	9.00-13.00	Session CA	Section 3. Materials for Spin Electronics. Transport Phenomena	
	9.00-14.00	Session AP		Section 6. Elastic & Magnetoelastic Phenomena. Adaptive Materials
		Session AQ		Section 7. Metamaterials. Photonic, magnonic & phononic crystals
	15.00-18.00	Culture program	Wine Tasting (Yalta)	

Date	Time		Oral presentations (Hall)	Poster presentations (Foyer)	
Thursday, October 4	9.00-13.00	Session DA	Section 8. Spin Dynamics. Microwave Materials		
	13.15-14.00	Session DB	Section 12. NMR & EPR		
	9.00-14.00	Session DP		Section 9. Ionizing Radiation Sensing Materials	
		Session DQ		Section 2. Soft and Hard Magnetic Materials	
	15.00-19.00	Session DC	Section 10. Nanophysics & Nanotechnologies for Functional Materials		
	15.00-19.00	Session DR		Section 2. Soft and Hard Magnetic Materials	
		Session DS		Section 4. Electrooptic and Magneto-optic materials	
20.00-21.30	Culture program	Concert			
Friday, October 5	9.00-11.30	Session EC	Section 2. Soft and Hard Magnetic Materials		
	11.30-14.00	Session EB	Section 7. Metamaterials. Photonic, magnonic & phononic crystals		
		Session EP		Section 5. Piezoelectric and Magnetolectric Materials	
	9.00-14.00	Session EQ		Section 8. Spin Dynamics. Microwave Materials	
		Session EA	Section 4. Electrooptic and Magneto-optic materials		
	17.30-19.00	Session ED	Section 9. Ionizing Radiation Sensing Materials		
	15.00-19.00	Session CP		Section 1. Fundamental Physics of Functional Materials	
		Session CQ		Section 12. NMR & EPR	
	19.00		Closing		
	20.30-23.00		Conference dinner		

Monday, October 1

15.00-16.30**Session AA.
Opening.**

**The speech of welcome from National Academy of Sciences of Ukraine,
Russian Academy of Sciences, V.I. Vernadsky Taurida National University**

Plenary I**Chairmen: Gorobets Yu.I., Berzhansky V.N.****AA-L2 Functional Materials for Present and Future Data Storage Systems
(invited)**

Mapps D.J.

*Centre for Research in Information Storage Technology, Faculty of
Technology, University of Plymouth, UK***AA-L3 Magnetophotonics: present and future (invited)**Granovsky A., Gan'shina E., Perov N., Orlov A.¹, Vinogradov A.²,
Inoue M.³*Faculty of Physics, Moscow State University, Moscow, Russia*¹*Giredmet State Research Institute, Moscow, Russia*²*Institute for Theoretical and Applied Electromagnetics, Moscow, Russia*³*Toyohashi University of Technology, Toyohashi, Japan***16.30-19.00****Oral Session AB.****Section 1. Fundamental Physics of Functional Materials****Chairmen: Ivanov B.A., Ovchinnikov S.G.****AB-1L/2 Exactly solvable model of electron in the Lamé potential and
singularities of the electron thermodynamic potential (invited)**Baryakhtar V.G.^{1,2}, Belokolos E.D.¹, Dmytriiev A.V.¹, Samar A.V.²¹*Institute of Magnetism, Kyiv, Ukraine*²*National Technical University of Ukraine "KPI", Kyiv, Ukraine***AB-1L/3 Nonlinear spin dynamics for antiferromagnets and non-Heisenberg
magnets (invited)**

Ivanov B.A.

*Institute of Magnetism, NASU, Kiev, Ukraine***AB-1L/4 Quantum computers: review of possible implementations in solids
(invited)**

Gomonay H., Malysenko N.

*National Technical University of Ukraine «KPI», Kyiv, Ukraine***AB-1O/2 Spin-reorientation phase transitions in thin magnetic films of different
anisotropy**

Bezus A.V., Mamalyi Ju.A., Siryuk Ju.A.

Donetsk National University, Donetsk, Ukraine

- AB-10/3 On the nature of asymmetry in the activity of nucleation centers in ultrathin Co films and Co/Pt multilayers**
 Iunin Y.L.¹, Kabanov Y.P.¹, Nikitenko V.I.¹⁻³, Shapiro A.J.², Shull R.D.², Cheng X.M.³, Chien C.L.³
¹*Institute of Solid State Physics, Russian Academy of Sciences, Chernogolovka, Russia*
²*National Institute of Standards and Technology, Gaithersburg, MD USA*
³*The Johns Hopkins University, Baltimore, MD USA*
- AB-10/4 Influence of magnetic field on phase nucleation in Cu-Be alloy**
 Runov V.V., Pokoev A.V.¹, Runova M.K., Smirnov O.P.
Petersburg Nuclear Physics Institute RAS, Gatchina, Russia.
¹*Samara State Universities, Samara, Russia.*
- AB-10/5 The effect of Mn substitution on magnetic phase transitions of Y₂(Fe,Mn)₁₇ compounds**
 Pankratov N.Yu., Ilyn M.I., Skokov K.P.¹, Iwaseczko W.², Nikitin S.A.
Department of Physics, M.V.Lomonosov Moscow State University, Moscow, Russia
¹*Department of Physics, Tver State University, Tver, Russia.*
²*Trzebiatowski Institute of Low Temperatures and Structure Research, Wrocław, Poland*
- AB-10/7 Investigation of the vibration anharmonicity in the crystal lattice of mixed composition apatites**
 Karbovsky V.L., Kurgan N.A.¹, Shpak A.P., Dimitriev O.P.
G.V. Kurdyumov Institute for Metal Physics NASU, Kiev, Ukraine
¹*SPM-Centre”, Technical Center NASU, Kiev, Ukraine*

15.00-19.00 Poster Session ER.

Section 11. Materials for Medical and Environmental Applications. Biosensors

Chairmen: Gorbenko O.Yu., Gorobets S.V.

Biosensors

- ER-11P/1 Development of the biomimetic sensor for phenols detection based on tyrosinase mimics**
 Sergeyeva T.A.¹, Piletsky S.A.², Brovko O.O.³, Sergeeva L.M.³, El'ska G.V.¹
¹*Institute of Molecular Biology and Genetics, Kiev, Ukraine,*
²*Cranfield Health, Cranfield University at Silsoe, Bedfordshire, UK*
³*Institute of Macromolecular Chemistry, Kiev, Ukraine*
- ER-11P/2 Application of surface plazmon resonance spectrometer for determination of optical parameters of the thin polyaniline films**
 Samoylov A.V., Ushenin Yu.V., Khristosenko R.V.
V. E. Lashkaryov Institute of Semiconductor Physics NASU, Ukraine

- ER-11P/3 The analysis of criterion function under definition of optical constants of thin films by using biosensor based on surface plasmon resonance**
Shirshov Yu.M., Beketov G.V., Zinyo S.A., Kazantceva Z.I.,
Samoylov A.V., Surovceva E.R., Ushenin Yu.V., Venger E.F.
V. Lashkaryov Institute of Semiconductor Physics, NASU, Kiev, Ukraine
- ER-11P/4 Influence of adsorption of ferments on electronic parameters of mesoporous silicon**
Vashpanov Yu.A.¹, Konup I.A.²
¹*Department of experimental physics,*
²*Department of microbiology and virology, I.I.Mechnikov national university of Odessa, Odessa, Ukraine*
- ER-11P/5 Adaptation of biosensor bioselective element for sucrose determination in beverages**
Peshkova V.N.^{1,2}, Soldatkin A.A.¹, El'skaya A.V.¹, Soldatkin A.P.¹,
Dzyadevych S.V.¹
¹*Institute of Molecular Biology and Genetics, NASU, Kiev, Ukraine*
²*National Taras Shevchenko University of Kyiv, Kyiv, Ukraine*
- ER-11P/6 Development of enzyme multibiosensor for determination of several toxic compounds**
Soldatkin O.O.¹, Nazarenko O.A.¹, Marchenko S.V.¹,
Pavluchenko O.S.², Kukla O.L.², Arkhipova V.M.¹, Dzyadevych S.V.¹,
Soldatkin A.P.¹, El'skaya A.V.¹
¹*Laboratory of Biomolecular Electronics, Institute of Molecular Biology and Genetics NASU, Kiev, Ukraine*
²*Department of functional optoelectronics, Institute of Semiconductor Physics NASU, Kiev, Ukraine*
- ER-11P/7 A Novel bi-enzyme biosensor for specific proteinase activity detection**
Rogaleva N.S., Biloivan O.A.
Laboratory of Biomolecular Electronics, Institute of Molecular Biology and Genetics, NASU, Kiev, Ukraine
- ER-11P/8 New Non-Phototoxic Materials Based on the Luminescent Styryl Dyes for Biosensors**
Kudrya V.Yu.¹, Yashchuk V.M.¹, Losytskyy M.Yu.^{1,2}, Levchenko S.M.¹,
Garasevich S.G.¹, Myagchenko Yu.O.¹, Yarmoluk S.M.²,
Kovalska V.B.², Balanda A.O.², Kryvorotenko D.V.²
¹ *Kyiv National Taras Shevchenko University, Kyiv, Ukraine*
² *Institute of Molecular Biology and Genetics NASU, Kyiv, Ukraine*
- ER-11P/9 Preparation and investigation of the langmuir monolayers and LB films of polyamic acid/ruthenium complex and stearic acid/ruthenium complex for electrochemical sensors**
Bezdrovnyaya O.N., Savin Y.N.
Institute for Single Crystals NASU, Kharkiv, Ukraine

ER-11P/10 Selective reflection properties of cholesteric matrix doped with anthraquinone dye

Kasian N.A., Zavora L.N., Panikarskaya V.D., Lisetski L.N.
*Institute for Scintillation Materials of STC "Institute for Single Crystals",
NASU, Kharkiv, Ukraine*

ER-11P/11 Nanocomposites on base of polymer matrix and copper sulfide nanoparticles: some physical properties and gas sensitivity

Muradov M.B., Emrick T.¹, Eyvazova G.M., Hajimamedov R.H.
Nanocenter, Baku State University, Baku, Azerbaijan
¹*National Center of Polymer Science, University of Massachusetts, Amherst,
USA*

ER-11P/12 The Synthesis and Physicochemical Investigations of supramolecular structures with a controllable active oxygen content as Possible Long-Lived Drug Substances

Tripol'skaya T., Pokhabova I., Pilipenko G., Legurova E.
*Kurnakov Institute of General and Inorganic Chemistry, RAS, Moscow,
Russia*

ER-11P/13 Synthesis, modification and investigation of novel polymer functional compositions on the base of aminostyrene and carbazole

Palistrant N., Bivol V., Robu S., Barba N.
*Institute of Applied Physics, Academy of Sciences of Moldova, Chisinau,
Moldova*

ER-11P/14 Selective recognition of creatinine by molecularly-imprinted polymer membranes based on semi-IPNs. computational modeling of synthetic mimics of bioreceptors

Sergeyeva T.A.¹, Piletska E.V.², Brovko O.O.³, Sergeeva L.M.³,
El'ska G.V.¹
¹*Institute of Molecular Biology and Genetics, Kiev, Ukraine*
²*Cranfield Health, Cranfield University at Silsoe, Bedfordshire, UK*
³*Institute of Macromolecular Chemistry, Kiev, Ukraine*

ER-11P/15 Test system for aflatoxin B1 detection based on computational molecularly-imprinted polymer membranes

Sergeyeva T.A.¹, Piletska E.V.², Goncharova L.A.³, Brovko O.O.³,
Sergeeva L.M.³, El'ska G.V.¹
¹*Institute of Molecular Biology and Genetics, Kiev, Ukraine*
²*Cranfield Health, Cranfield University at Silsoe, Bedfordshire, UK*
³*Institute of Macromolecular Chemistry, Kiev, Ukraine*

ER-11P/16 The development of new functional materials by the radical immobilization at the silica surface

Kukueva V.V.
Fire Safety Institute, Cherkassy, Ukraine

- ER-11P/17 Selective sorption of dendrite covers on steel high-gradient ferromagnetic packing in a magnetic field from dia- and paramagnetic solutions**
 Gorobets O.Yu., Gorobets S.V., Legenkii Yu.A.¹, Pimenov Yu.N.¹
National Technical University of Ukraine “Kyiv Polytechnic Institute”, Kyiv, Ukraine
¹*Donetsk National University, Donetsk, Ukraine*
- ER-11P/18 Formation of the ferromagnetic coatings with relief surface on high-gradient magnetic filter elements and investigation of their capturing ability**
 Gorobets Yu.I., Gorobets S.V.¹, Legenkiy Yu.A.², Loboda S.N.², Pimenov Yu.N.²
Institute of Magnetism NASU, Kiev, Ukraine;
¹*National Technical University of Ukraine “KPI”, Ukraine*
²*Donetsk National University, Donetsk, Ukraine*
- ER-11P/19 Formation and properties bioactive apatite coating on titanium and quartz**
 Doroshenko A.G., Savin Yu.N., Tolmachev A.V.
NTC Institute for Single Crystals NASU, Kharkiv, Ukraine
- ER-11P/20 Intensification of the process of sorption of copper ions by *Saccaromyces cerevisiae* 1968 depending on a permanent magnetic field**
 Gorobets S.V., Kasatkina T.P.¹, Goyko I.Yu., Zinyuk A.I.
National Technical University of Ukraine “Kyiv Polytechnic Institute”, Kyiv, Ukraine
¹*Institute of Microbiology and Virology, Kyiv, Ukraine*
- ER-11P/21 Influence of magnetic field on etching on different metals in electrolyte**
 Gorobets S.V., Gorobets O.Yu., Varchuk O.N.
National Technical University of Ukraine “Kyiv Polytechnic Institute”, Kyiv, Ukraine
- ER-11P/22 A modification of magnetically labeled micro- and nanoscale biological objects' susceptibility determination method**
 Gorobets S.V., Lutsik P.I., Kashpur O.M.
National Technical University of Ukraine “Kyiv Polytechnic Institute”, Kyiv, Ukraine
- ER-11P/23 Sapphire head and sapphire acetabular cup in spheroid joint endoprosthesis (development and clinical testing)**
 Litvinov L.¹, Voloshin A.¹, Tankut O., Timchenko I., Filipenko V.
¹*Institute for Single Crystals, STC “Institute for Single Crystals”, NASU, Kharkiv, Ukraine*
Sytenko Institute of Spine and Joint Patholog, Kharkiv, Ukraine
- ER-11P/24 Carbonated hydroxyapatite ceramics modified by magnetic particles**
 Tkachenko M.V., Zyman Z.Z., Ol'khovik L.P., ¹Dedukh N.V.
V.N.Karazin Kharkiv National University, Kharkiv, Ukraine
¹*Sytenko Institute of Spine and Joint Pathology, Academy of Medical Sciences, Ukraine*

ER-11P/25 Biomaterials and sorbents on the basis of apatites synthesized in saline melts

Tarasenko S.O., Zinchenko V.F.

*A. V. Bogatsky Physico-Chemical Institute (PCI) NASU, Odesa, Ukraine***ER-11P/26 Bioactivity of novel carbon nanocomposites *in vitro***Prylutska S.V., Grynyuk I.I., Matyshevska O.P., Golub A.A., Ritter U.¹, Scharff P.¹*Kyiv National Shevchenko University, Kyiv, Ukraine*¹*Technical University of Ilmenau, Ilmenau, Germany***ER-11P/27 Biodegradable magnesium alloys for medical application**

Papirov I.I., Tikhonovsky M.A., Kutniy K.V., Pikalov A.I., Sivtsov S.V., Pirozhenko L.A., Shokurov V.S.

*National Science Center "Kharkov Institute of Physics and Technology", Kharkov, Ukraine***ER-11P/28 Medical sorption compositions on base of carbon fibre with nanosilver**Yurkova I.N.¹, Ryabushko V.I.², Nikolaev V.G.³, Sakhno L.A.³¹*V.I. Vernadsky Tavrida National University, Simferopol, Ukraine*²*Institut of Biology of Southern Seas NASU, Sevastopol, Ukraine,*³*Institute of experimental pathology, oncology and radiobiology NASU, Kyiv, Ukraine***ER-11P/29 Optical Spectroscopy of Silicon Nanomaterials for Biomedical Applications**

Efimova A.I., Abidulina R.A., Ryabchikov Yu.V., Kashkarov P.K., Timoshenko V.Yu.

*Physics Department, Moscow State M.V. Lomonosov University, Moscow, Russia***ER-11P/30 Electrical conductivity of composite membranes with layer of plasma polymerized thiophene**Kravets L.¹, Satulu V.², Ionita D.², Dinescu G.², Gilman A.³¹*Joint Institute for Nuclear Research, Flerov Laboratory of Nuclear Reactions, Dubna, Russia*²*National Institute for Laser, Plasma and Radiation Physics, Bucharest, Romania*³*Enikolopov Institute of Synthetic Polymer Materials, RAS, Moscow, Russia***ER-11P/31 Structural peculiarity of surface layer of the blood compatibility functional metallic system**

Poperenko L.V., Grygoruk V.I., Nosach D.V.

*Taras Shevchenko Kyiv National University, Kyiv, Ukraine***ER-11P/32 Fluorinated segmented poly(urethane urea)s as polymers stents coating**Shekera O., Muzhev V., Lazarenko O.¹, Alexeeva T.², Oshkaderov S.², Shevchenko V.*Institute of Macromolecular Chemistry NAS of Ukraine, Kyiv, Ukraine,*¹*Kyiv Medical of Post Graduate Education MAS of Ukraine, Kyiv, Ukraine*²*Institute of Metal's Physics NASU, Kyiv, Ukraine*

ER-11P/33 The new nanodispersed amorphous form of calcium gluconate for the treatment of complicated bones and teeth diseases

Konygin G.N., Rybin D.S., Efremov Yu.Ya.¹, Sharafutdinova D.R.¹,
 Petukhov V.Yu.², Gumarov G.G.², Yelsukov E.P., Shakov A.A.,
 Porsev V.E., Strelkov N.S.³, Pozdeev V.V.³, Maksimov P.N.³,
 Filippov A.N.³, Bazina N.Y.³, Korlaykov D.V.³, Yakovenko O.V.³

Physical-Technical Institute UrB RAS, Izhevsk, Russia

¹*Institute of Organic and Physical Chemistry, KNC RAS, Kazan, Russia*

²*Kazan Physical-Technical Institute KNC RAS, Kazan, Russia*

³*Izhevsk State Medical Academy, Izhevsk, Russia*

ER-11P/34 Hybride nanomaterials with adjustable Curie temperature for tumor hyperthermy

Melnikov O.V.¹, Gorbenko O.Yu.¹, Popova M.N.¹, Kaul A.R.¹,
 Atsarkin V.A.², Demidov V.V.², Odintsov B.M.³, Roy E.J.³

¹*Lomonosov Moscow State University, Moscow, Russia*

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³*University of Illinois at Urbana-Champaign, Urbana, USA*

ER-11P/35 Synthesis and characterization of nanoparticles of $\text{La}_{1-x}\text{Ag}_y\text{MnO}_3$ for medical application

Melnikov O.V.¹, Gorbenko O.Yu.¹, Popova M.N.¹, Kaul A.R.¹,
 Atsarkin V.A.², Demidov V.V.²

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²*Institute of Radio Engineering and Electronics, Russian Academy of Sciences, Moscow, Russia*

Tuesday, October 2

9.00-11.00**Session BA. Plenary II**

Chairmen: Loktev V., Granovsky A.

AB-1L/1 Spin crossover and electronic transformations in Mott insulators under high pressure (invited)

Ovchinnikov S.G.^{1,2}

¹*L.V. Kirensky Institute of Physics, Siberian Branch of RAS, Krasnoyarsk, Russia*

²*Siberian Federal University, Krasnoyarsk, Russia*

BA-L2 Graphene with impurities: can massless quasiparticles be localized? (invited)

Loktev V.¹, Skrypnyk Y.²

¹*Bogolyubov Institute for Theoretical Physics, NASU, Kyiv, Ukraine*

²*G. V. Kurdyumov Institute of Metal Physics, NASU, Kyiv, Ukraine*

BA-L3 Layered cobaltites $\text{RBaCo}_2\text{O}_{5.5}$ – physical properties that govern by spin state transformations (invited)
 Pashkevich Yu., Luetkens H.¹, Gnezdilov V.², Lemmens P.³,
 Ambrosch-Draxl C.⁴, Choi K.-Y.³, Lamonova K., Gusev A.,
 Stingaciu M.¹, Pomyjakushina E.¹, Konder K.¹, Barilo S.⁵, Shiryaev S.⁵,
 Bychkov G.⁵

A.A. Galkin Donetsk Phystech NASU, Donetsk, Ukraine

¹*Lab. for Muon-Spin Spectroscopy PSI Villigen, Switzerland*

²*B.I.Verkin Inst. for Low Temp. Physics NASU, Kharkov, Ukraine*

³*IPCM, TU Braunschweig, Braunschweig, Germany*

⁴*University Leoben, Leoben, Austria*

⁵*Inst. of Phys. of Solids & Semicond., Minsk, Belarus*

BA-L4 New principles and possibilities for the characterization of functional materials and nanotechnology products by using multiple coherent and diffuse scattering effects (invited)
 Shpak A.P., Molodkin V.B., Olikhovskii S.I., Kislovskii E.N.,
 Nizkova A.I.

G. V. Kurdyumov Institute for Metal Physics NASU, Kyiv, Ukraine

11.00-14.00 Oral Session BB.

Section 5. Piezoelectric and Magnetoelectric Materials

Chairmen: Zvezdin A.K., Pashkevich Yu.

BB-5L/1 Spin Modulation and Multiferroicity (invited)

Pyatakov A.P.^{1,2}, Zvezdin A.K.¹

¹*Institute of General Physics RAS, Moscow, Russia*

²*M.V. Lomonosov Moscow State University, Moscow, Russia*

BB-5L/2 High pressure magnetic, electronic and spin transitions in multiferroic BiFeO_3 (invited)

Lyubutin I.S.¹, Gavriiliuk A.G.^{1,2}, Struzhkin V.V.³, Trojan I.A.¹

¹*Institute of Crystallography, RAS, Moscow, Russia*

²*Institute for High Pressure Physics, RAS, Troitsk, Moscow region, Russia*

³*Geophysical Laboratory, Carnegie Institution of Washington, Washington DC*

BB-5O/1 Direct and inverse magnetoelectric effects in ferromagnetic- piezoelectric layered structures

Fetisov Y.K.

Moscow State Institute of Radio Engineering, Electronics and Automation, Moscow, Russia

- BB-50/2 Modeling of Magnetoelectric Effect in Ferrite-Piezoelectric Nanocomposites**
 Bichurin M.I., Petrov V.M., Filippov D.A., Kozin A.V., Srinivasan G.¹, Gupta A.², Viehland D.³, Nan C.W.⁴
Novgorod State University, Veliky Novgorod, Russia
¹*Oakland University, Rochester MI, USA*
²*University of Alabama, Tuscaloosa AL, USA*
³*Virginia Tech, Blacksburg VA, USA*
⁴*Tsinghua University, Beijing, China*
- BB-50/3 Hyperfine parameters of ⁵⁷Fe in Bi_{0.5}Sr_{0.5}FeO₃ compound**
 Pokatilov V.S., Cherepanov V.M.¹, Pokatilov V.V.
Moscow State Institute of Radioengineering, Electronics and Automation, Moscow, Russia
¹*Russian Research Center "Kurchatov Institute", Moscow, Russia*
- BB-50/4 Magnetic, magnetoelectric and piezoelectric properties of rare-earth iron borates RFe₃(BO₃)₄**
 Ivanov V.Yu.¹, Mukhin A.A.¹, Kuzmenko A.M.¹, Pronin A.A.¹, Kadomtseva A.M.², Popov Yu.F.², Vorob'ev G.P.², Pyatakov A.P.^{1,2}, Zvezdin A.K.¹, Bezmaternikh L.N.³
¹*A.M. Prokhorov General Physics Institute of the RAS, Moscow, Russia*
²*M.V. Lomonosov Moscow State University, Moscow, Russia*
³*Institute of Physics SB RAS, Krasnoyarsk, Russia*
- BB-50/5 Microscopic mechanism of magnetoelectricity in giant magnetocapacitive CdCr₂S₄**
 Pashkevich Yu.¹, Lemmens P.², Gnezdilov V.³, Scheib P.², Payen Ch.⁴, Choi K.Y.⁵, Hemberger J.⁶, Loidl A.⁶, Tsurkan V.
¹*A.A. Galkin Donetsk Phystech NASU, Donetsk, Ukraine*
²*IPCM, TU Braunschweig, Braunschweig, Germany*
³*B.I. Verkin Inst. for Low Temp. Physics NASU, Kharkov, Ukraine*
⁴*Inst. des Mat. Jean Rouxel, CNRS-IMN, Nantes, France*
⁵*NHMFL/FSU, Tallahassee, FL, USA*
⁶*Exp. Phys. V, Center for Electr. Correl. and Mag., Augsburg, Germany*
Inst. of Appl. Phys., Academy of Sciences of Moldova, Chisinau, Moldova
- BB-50/6 BaMnF₄: Magnetic Field Control of Electric Polarization; Is Weak Ferromagnetism Possible in It?**
 Kadomtseva A.M.¹, Vorob'ev G.P.¹, Popov Yu.F.¹, Zvezdin A.K.², Pyatakov A.P.^{1,2}
¹*Physics department, M.V. Lomonosov, Moscow State University, Moscow, Russia*
²*Institute of General Physics RAS, Moscow, Russia*

9.00-14.00**Poster Session BP.****Section 10. Nanophysics & Nanotechnologies for Functional Materials I****Chairmen: Molodkin V.B., Pudonin F.A.****BP-10P/1 Self-Organizing Processes in Condensed Nanomaterials**Sobol` O.V., Kunitskaya L.², Nechitaylo Ya.¹, Dementjev V., Barabash M.¹*National Technical University «KhPI», Kharkov, Ukraine*¹*Technical Centre NAS of Ukraine, Kiev, Ukraine*²*Institute of Surface Chemistry NAS of Ukraine, Kiev, Ukraine***BP-10P/2 Collective modes and local magnon states for magnetic dot arrays with perpendicular anisotropy**Bondarenko P.V.¹, Galkin A.Yu.², Zaspel C.E.³, Ivanov B.A.¹¹*Institute of Magnetism NASU, Ukraine*²*Institute of Metal Physics NASU, Ukraine*³*University of Montana-Western IMag, NASU, Kiev, Ukraine***BP-10P/3 Investigation of low-coercive ferromagnetic nanoparticles by magnetic force microscopy**Mironov V.L.¹, Nikitushkin D.S.¹, Gribkov B.A.¹, Bins C.², Shubin A.B.³, Zhdan P.A.⁴¹*Institute for physics of microstructures RAS, Nizhny Novgorod, Russia*²*University of Leicester, Leicester, UK*³*"Nanotechnology MDT" Company, Zelenograd, Russia*⁴*School of Engineering, University of Surrey, Guildford, Surrey, UK***BP-10P/4 Magnetic molecules and nanoclusters in ultra-strong magnetic fields**Zvezdin A.K.¹, Plokhov D.I.¹, Selemir V.D.², Platonov V.I.², Tatsenko O.M.²¹*A.M. Prokhorov General Physics Institute RAS, Moscow, Russia*²*All-Russian Research Institute of Experimental Physics, Sarov, Russia***BP-10P/5 FMR in patterned arrays of rectangular nanodots with different aspect ratios**Golub V.¹, Vovk A.^{1,2}, Tartakovskaya E.¹, Malkinski L.², Yu M.²¹*Institute of Magnetism NASU and MESU, Kiev, Ukraine*²*University of New Orleans, New Orleans, USA***BP-10P/6 Phenomenological model of surface-induced anisotropy in magnetic nanoparticles**Leonov A.A.¹, Dragunov I.E.¹, Rössler U.K.², Bogdanov A.N.^{1,2}¹*Donetsk Institute for Physics and Technology, Donetsk, Ukraine*²*IFW Dresden, Dresden, Germany***BP-10P/7 Magnetic-resonance properties of SiO_{2-γ}-Fe₂O₃ composites prepared by sol-gell method**

Adakimchik A.V., Karpovich I.A., Ivanovskaya M.I., Yankovsky O.N., Odzhaev V.B.

Belorussian State University, Minsk, Belarus

- BP-10P/8 About a stabilization of γ -Fe₂O₃ clusters within SiO₂ matrix**
Ivanovskaya M., Kotsikau D., Pankov V.
Research Institute for Physical-Chemical Problems of the Belarusian State University, Minsk, Belarus
- BP-10P/9 Mössbauer and X-ray studies of Fe powder obtained by thermochemical synthesis**
Nadutov V.M., Perekos A.O., Svystunov Ye.O., Zalutskij V.P.,
Voinash V.Z., Makarenko S.
G.V. Kurdyumov Institute for Metal Physics, NASU, Kyiv, Ukraine
- BP-10P/10 Submicron periodic structures in the magnetic liquid**
Kovalenko V.F., Petrychuk M.V., Moldovan B.N.
Taras Shevchenko Kyiv National University, Kyiv, Ukraine
- BP-10P/11 Self-assembling of nanoparticles in submicron threadlike magnetic clusters in the magnetic liquid**
Dzyan C.V., Ivanov B.A., Kovalenko V.F., Petrychuk M.V.
Taras Shevchenko Kyiv National University, Kyiv, Ukraine
- BP-10P/12 Optical spectra of admision of magnetic liquid**
Kovalenko V.F., Petrychuk M.V., Bessmertnaya L.G., Morgun A.A.
Taras Shevchenko Kyiv National University, Kyiv, Ukraine
- BP-10P/13 Experience of optimization of methods for creation of hexagonal ferrite micro-crystal powders**
Ol'khovik L.P., Borisova N.M., Golubenko Z.V., Levitin E.Ya.¹, Koval' A.A.¹
Karazin Kharkov National University, Kharkov, Ukraine
¹*National University of Pharmacy, Kharkov, Ukraine*
- BP-10P/14 Intracrystalline pore formation in nanocrystal metal films**
Skatkov L.¹, Gomofov V.²
¹*PCB "Argo", Beer Sheva, Israel*
²*National Technical University "Kharkov Polytechnical Institute", Kharkov, Ukraine*
- BP-10P/15 Magnetotransport, magnetostatic and FMR studies of Co - (A₁₂On) granular system near percolation threshold**
Timopheev A.A., Ryabchenko S.M., Lozenko A.F., Trotsenko P.A.¹,
Stogney O.V.¹, Sitnikov A.V., Avdeev S.F.¹
Institute of Physics of the NASU, Kiev, Ukraine
¹*Voronezh State Technical University, Voronezh, Russia*
- BP-10P/16 Monolayer–island–bulk like layer transitions in gold/cobalt nanosize system**
Stognij A.I., Novitskii N.N., Yanushkevich K.I., Pashkevich M.V.
Joint Institute of Solid State and Semiconductor Physics, NASB, Minsk, Belarus

- BP-10P/17 Novel Nanostructured Materials Based on Silicon in Optics and Laser Physics**
 Zabotnov S.V., Golovan L.A., Ryabchikov Yu.V., Piskunov N.A., Ezhov A.A., Timoshenko V.Yu., Kashkarov P.K.
Physics Department, M.V. Lomonosov Moscow State University, Moscow, Russia
- BP-10P/18 Temperature influence on the faceting of grain boundaries in polysilicon films**
 Nakhodkin N.G., Kulish N.P., Rodionova T.V.
Kiev National Taras Shevchenko University, Kiev, Ukraine
- BP-10P/19 Pressure-enhanced crystallization of silicon nanoparticles in nonstoichiometric silicon oxide matrix**
 Rudko G.Yu.¹, Majdanchuk I.Yu.¹, Indutnyy I.Z.¹, Misiuk A.², Shepeliavyyi P.E.¹, Gule E.G.¹
¹*V. Lashkarev Institute of Semiconductor Physics, NASU, Kyiv, Ukraine*
²*Institute of Electron Technology, Warsaw, Poland*
- BP-10P/20 Influence of parabenzoquinone and ammonia adsorption on recombination properties of silicon nanocrystals**
 Ryabchikov Yu.V., Vorontsov A. S., Osminkina I.A., Konstantinova E.A., Timoshenko V.Yu., Kashkarov P.K.
Moscow State M.V. Lomonosov University, Moscow, Russia
- BP-10P/21 Nanocrystalline porous silicon as a solid reservoir for hydrogen storage**
 Alekseev S.¹, Barbier D.², Kuznetsov G.¹, Litvinenko S.¹, Lysenko V.², Skryshevsky V.¹
¹*Taras Shevchenko National University of Kyiv, Kiev, Ukraine*
²*Materials Physics Laboratory, CNRS UMR, INSA de Lyon, Villeurbanne cedex, France*
- BP-10P/22 Forming method and proportions of polymeric composition with nanoparticles ZnS – organic shell**
 Burunkova J.E., Denisuk I.Y.
Saint-Petersburg State University of Information Technologies, Mechanics and Optics, Saint-Petersburg, Russia
- BP-10P/23 Regularities of crystal structure and properties of functional powders materials sintered with electrocontact heating**
 Andrushchik L.O., Oschkaderov S.P.
Institute for Metal Physics G.V.Kurdymov NASU, Kyiv, Ukraine
- BP-10P/24 Electrophysical and optical properties of composite structures organic polymer // CdS nanocrystals**
 Aleksandrov A.A., Smyntyna V.A., Chebanenko A.P.
I.I. Mechnikov National University, Odesa, Ukraine
- BP-10P/25 Local Plasmons Contribution into Photocurrent of Au/GaAs Surface Barrier Structure with Au Nanoparticles on Interface**
 Mamykin S.¹, Dmitruk N.¹, Naumenko D.¹, Dmytruk A.², Park Y.-S.²
¹*Institute of Semiconductor Physics NASU, Kyiv, Ukraine*
²*Center for Interdisciplinary Research, Tohoku University, Sendai, Japan*

- BP-10P/26 Synthesis of nano-sized oxide layers on the surface of GaAs, at presence of the inert component**
Penskoy P.K., Mittova I.Ya., Pshestanchik V.R., Kostryukov V.F.
Voronezh State University, Voronezh, Russia
- BP-10P/27 Synthetic layered nanostructures as fillers for the polymer-inorganic nanocomposites with the improved and new characteristics**
Golubeva O.Yu., Gusarov V.V.
Institute of Silicate Chemistry RAS, St.-Petersburg, Russia
- BP-10P/28 Formation of porous aluminium layers near phase equilibrium in plasma-deposit system**
Perekrestov V.I., Korniyushchenko A.S., Kosminskaya Yu.A.
Sumy State University, Sumy, Ukraine
- BP-10P/29 Complex formation of β -cyclodextrin with mercury (II) ions in solution**
Shvets O.M., Lyashenko D.Yu., Belyakova L.A.
A.A. Chuiko Institute of Surface Chemistry, NASU, Kiev, Ukraine
- BP-10P/30 Low-temperature sintering of yttrium oxide ceramics Y_2O_3**
Vovk E.A., Deineka T.G., Korshikova T.I., Mateichenko P.V., Tkachenko V.F., Tolmachov A.V., Shekhovtsov A.N.
STC «Institute for Single Crystals» NASU, Kharkiv, Ukraine
- BP-10P/31 Structure and properties of PVD CAE coatings of eutectic alloys**
Panarin V.E.
G.V. Kurdyumov Institute for Metal Physics NASU, Kiev, Ukraine
- BP-10P/32 The Effect of Nanocoatings on the Performance of Cathode Materials**
Shatilo Ya.V.¹, Makhonina E.V.², Dubasova V.S.³, Pervov V.S.¹
¹*Moscow State University of Environmental Engineering, Moscow, Russia*
²*Kurnakov Institute of General and Inorganic Chemistry RAS, Moscow, Russia*
³*Scientific Research Institute of Electrical Carbon Products, Moscow oblast, Russia*
- BP-10P/33 Simulation of emission off the surface of oxide cathode taking into consideration the migration of emission centers**
Glumova M.V., Angelo Y.G.
Tavrida National Vernadsky University, Simferopol, Ukraine
- BP-10P/34 Differential dynamical X-ray diffractometry of inhomogeneous functional materials**
Molodkin V.B., Kislovskii E.N., Olikhovskii S.I., Vladimirova T.P., Reshetnyk O.V., Len E.G., Seredenko R.F., Sheludchenko B.V., Melnik A.V.
G.V. Kurdyumov Institute for Metal Physics NASU, Kyiv, Ukraine

BP-10P/35 Integral dynamical diffractometry of functional materials with macrostrains, disturbed layers, and microdefects

Molodkin V.B., Dmitriev S.V., Rudnitskaya I.I., ¹Dinaev Yu.A.,
Nizkova A.I., Kononenko O.S., Katasonov A.A., Zabolotnyi I.N.,
Melnik A.

G.V. Kurdyumov Institute for Metal Physics, NASU, Kyiv, Ukraine

¹*Kabardino-Balkarian state university, Nalchik, Russia*

BP-10P/36 Dynamical X-ray diffractometry of multilayered heterostructures and superlattices with defects

Molodkin V.B., Olikhovskii S.I., Kislovskii E.N., Skakunova E.S.,
Sheludchenko B.V.

G. V. Kurdyumov Institute for Metal Physics of NASU, Kyiv, Ukraine

BP-10P/37 Misunderstood opportunities of x-ray fluorescence

Zabluda V.

*Physics of Magnetic Phenomena Laboratory, Kirensky Institute of Physics SB
RAS, Krasnoyarsk, Russia*

BP-10P/38 Controlling of structure and properties of zirconia nanomaterials for functional application

Konstantinova T.

Donetsk Institute of Physics and Engineering NASU, Donetsk, Ukraine

Metal-carbon nanocomposites**BP-10P/39 The structure formation and strength properties control in hydrosilicate systems modified by nanotubes with the structure of chrysotile**

Artamonova O.V., Sergutkina O.R.

*Voronezh State University of Architecture and Civil Engineerin, Voronezh,
Russia*

BP-10P/40 Functional materials on the basis of metalcarbon fibres

Safonova A.M., Bezhok O.V., Shpilevskaja L.E.

Institute of general and inorganic chemistry NASB, Minsk, Belarus

BP-10P/41 Comprehensive approach to the study of thermal diffusion in fullerides

Shpak A.P., Korduban A.M., Mazanko V.F., Pogorelov A.E.

G.V. Kurdyumov Institute for Metal Physics, NASU, Kiev, Ukraine

BP-10P/42 Electronic properties of narrow carbon nanotubes. Ab-initio approach

Shevtsova T.N., Boutko V.G., Gusev A.A., Pashkevich Yu.G.

O.O.Galkin Donetsk PhysTech, NASU, Donetsk, Ukraine

BP-10P/43 Coatings on the basis of metals and fullerenes

Shpilevsky E.M., Zhdanok S.A., Shpilevsky M.E., Matveeva L.A.¹

A.V. Luikov Heat- and Mass Transfer Institute NASB, Minsk, Belarus

¹*Institute of physics of semiconductors NASU, Kiev, Ukraine*

BP-10P/44 Magnetoresistance of the graphite-transition metal compounds

Matsui D.V., Mykhailenko O.V., Prylutsky Yu.I., Matzuy L.Yu.

Kyiv National Shevchenko University, Kyiv, Ukraine

BP-10P/45 Electric resistance of compacted thermoexfoliated graphite under high pressure

Vovchenko L., Matzui L., Zhuravkov A.
Kyiv National Shevchenko University, Kyiv, Ukraine

BP-10P/46 Obtaining and transport properties of carbon nanotubes modified with cobalt

Ovsyenko I., Len T., Matzui D., Brusilovetz A., Matzui L.
Kyiv National Taras Shevchenko University, Kyiv, Ukraine

BP-10P/47 Thermopower of carbon nanomaterials modified with transition metals

Ovsienko I., Vovchenko L., Len T., Shevchenko G., Matzui L., Shevchenko N.
Kyiv National Taras Shevchenko University, Kyiv, Ukraine

BP-10P/48 Structure and vibrational properties of composites of polypropylene with multiwalled carbon nanotubes.

Dmytrenko O.P.¹, Kulish M.P.¹, Diyakon L.V.¹,
 Grabovskiy Yu.E.¹, Bilyy M.M.¹, Gavrilyuk N.A.², Sementsov Yu.I.²
¹*Kiev National Shevchenko University, Kiev, Ukraine*
²*Institute of Surface Chemistry NASU, Kiev, Ukraine*

BP-10P/49 Properties of magnetofunctionalized carbonic nanotubes

Labunov V.A.¹, Schulichkii B.G.¹, Prudnikova E.L.¹, Demidenko O.F.²,
 Makovetskii G.I.², Fedosyuk V.M.², Yanushkevich K.I.²,
 Bohonov B.B.³, Saurov A.N.⁴, Basaev A.S.⁴
¹*BSUIR, Minsk, Belarus*
²*JISSPS NASB, Minsk, Belarus*
³*Institute of Solid State chemistry and mechanochemistry of SB RAS, Novosibirsk, Russia*
⁴*NPC «Technologic Center» Moscow Institute of electronic technics, Russia*

BP-10P/50 Modeling of structure of fullerene molecular complex

Lopatin D.V., Chirkin E.S.
Tambov state university, Tambov, Russia

BP-10P/51 Trapping levels in the HOMO-LUMO gap of TMPDA·C₆₀ and LCV·C₆₀·C₆H₅Cl molecular complexes

Lopatin D.V.¹, Samodurov A.A.¹, Stolyarov R.A.¹, Konarev D.V.²,
 Lyubovskaya R.N.²
¹*Tambov State University, Tambov, Russia*
²*Institute of Problems of Chemical Physics RAS, Chernogolovka, Russia*

15.00-17.15**Oral Session BC.****Section 6. Elastic & Magnetoelastic Phenomena. Adaptive Materials**

Chairmen: Preobrazhensky V.L., Pernod P.

BC-6L/1 Phase transformations in Heusler alloys with exchange inversion (invited)

Buchelnikov V.D., Taskaev S.V., Zagrebin M.A., Entel P.¹
Chelyabinsk State University, Chelyabinsk, Russia
¹*University of Duisburg-Essen, Duisburg, Germany*

- BC-6L/2 Tunable by Pressure Bistability in a Sensory- and Memory - Functional Materials on the base of Molecular compounds** (invited)
 Levchenko G., Bukin G., Gouskos N.¹, Galet A.², Gaspar A.², Carmen Munoz M.², Antonio Real J.²
Donetsk Physical & Technical Institute NASU, Donetsk, Ukraine
¹*Solid State Section, Department of Physics, University of Athens*
²*Institut de Ciencia Molecular Universitat Valencia*
- BC-6O/1 Temperature hysteresis of martensitic transformations in shape memory alloys**
 Kokorin V.V.
Institute of Magnetism NASU, Kiev, Ukraine
- BC-6O/2 Temperature dependent magnetically controlled functional properties in Ni-Mn-Ga compounds**
 Glavatska N., Glavatskyi I., L'vov V.¹, Söderberg O.², Aaltio I.², Hannula S.-P.²
Institute for Metal Physics, NASU, Kiev, Ukraine
¹*Taras Shevchenko University, Kyiv, Ukraine,*
²*Helsinki University of Technology, Laboratory of Materials Science, Finland*
- BC-6O/3 Effect of heat treatment on phase transformations in a Ni-Mn-Ga-Fe ferromagnetic shape memory alloy**
 Castillo-Villa P.O., Soto-Parra D.E., Alvarado-Hernández F., Ochoa-Gamboa R., Flores-Zúñiga H., Ríos-Jara D.¹
Centro de Investigación en Materiales Avanzados, Complejo industrial Chihuahua, Chihuahua México
¹*Instituto Potosino de Investigación Científica y Tecnológica, San Luis Potosí, México*
- BC-6O/4 Nanostructured ferromagnetic shape memory Heusler alloys**
 Khovaylo V.V., Koledov V.V., Mulyukov Kh.Ya., Shavrov V.G.
Institute of Radioengineering and electronics of RAS, Moscow, Russia
- BC-6O/5 Parametrically bounded states of quasiphonons in magnetic dielectrics and composites**
 Rudenko V.V.^{1,3}, Preobrazhensky V.L.^{1,2}, Berzhansky V.N.³, Polulyakh S.N.³, Pernod P.¹
¹*Joint European Laboratory LEMAC :Institut d'Electronique et de Micro-electronique et de Nanotechnologie (IEMN-DOAE-UMR CNRS 8520), Ecole Centrale de Lille, Villeneuve d'Ascq, France*
²*Wave Research Center of General Physics Institute RAS, Moscow, Russia*
³*V.I.Vernadsky Taurida National University, Simferopol, Ukraine*

17.30-19.00**Oral Session BD.****Section 11. Materials for Medical and Environmental Applications. Biosensors****Chairmen: Oshkaderov S., Lachinov A.N.****BD-11L/1 Medical materials science: the nearest tasks and future trends (invited)**
Oshkaderov S.*Institute of Metal's Physics NASU, Kyiv, Ukraine***BD-11O/1 Formation of 'smart' polymeric membranes by plasma polymerization method**Kravets L.¹, Gilman A.², Drachev A.³, Dinescu G.⁴¹*Joint Institute for Nuclear Research, Flerov Laboratory of Nuclear Reactions, Dubna, Russia*²*Enikolopov Institute of Synthetic Polymer Materials, RAS, Moscow, Russia*³*Karpov Institute of Physical Chemistry, Moscow, Russia*⁴*National Institute for Laser, Plasma and Radiation Physics, Bucharest, Romania***BD-11O/2 Novel functional polymer based material**Lachinov A.N.¹, Salazkin S.N.²¹*Institute of Physics of Molecules and Crystals, URC RAS, Ufa, Russia*²*A.N. Nesmeyanov Institute of Organoelement Compounds, RAS, Moscow, Russia***BD-11O/3 Development of methods of immobilization of glycerol oxidase on the surface of amperometric biosensors**Goryushkina T.B.¹, Shkotova L.V.¹, Gayda G.Z.², Pavlishko H.M.²,
Gonchar M.V.², Soldatkin O.P.¹, Dzyadevych S.V.¹¹*Institute of Molecular Biology and Genetics, NASU, Kyiv, Ukraine*²*Institute of Cell Biology, NASU, L'viv, Ukraine***17.45-19.00****Round table «50-anniversary of Invention of weak ferromagnetism»****Moderators: Prozorova L.A., Preobrazhensky V.L.****15.00-19.00****Poster Session BQ.****Section 10. Nanophysics & Nanotechnologies for Functional Materials II****Chairmen: Popov Yu.F., Bagmut A.G****BQ-10P/1 Photoconductivity mechanism of $[\text{Zn}(\text{Et}_2\text{dtc})_2\text{HMTA}]_2\text{C}_{60}\text{C}_6\text{H}_5\text{Cl}$ complex**Lopatin D.V.¹, Rodaev V.V.¹, Konarev D.V.², Lyubovskaya R.N.²¹*Tambov State University, Tambov, Russia*²*Institute of Problems of Chemical Physics RAS, Chernogolovka, Russia*

- BQ-10P/2 Carbon films structural and optical characteristics control**
 Tolstykh P.V., Puzyrev M.V., Azarko I.I., Kozlova E.I., Tolstykh V.P.,
 Shochovets S.V.¹
Belorussian State University, Minsk, Belarus
¹*Institute of Physics, TU Ilmenau, Ilmenau, Germany*
- BQ-10P/3 On the solid-vacuum interface specification in the Monte-Carlo simulation of surface pattern formation at ion-beam irradiation**
 Gubarev A.A.
PMP & HTSC division, Donetsk National University
- BQ-10P/4 Synthesis and peculiarities of microstructure of nanoorganized hybrid materials based on molybdenum disulfide**
 Golub A.S., Novikov Yu.N.
Nesmeyanov Institute of Organoelement Compounds, RAS, Moscow, Russia
- BQ-10P/5 Nanoscale film coatings of borides of transition metals**
 Goncharov A.A., Konovalov V.A., Stupak V.A.
Donetsk national university, Donetsk, Ukraine
- BQ-10P/6 Heavy-hole interaction with a short-range potential of a crystal lattice defect in Cd_xHg_{1-x}Te (x=0.38)**
 Malyk O.P.
Lviv Polytechnic National University, Semiconductor Electronics Department, Lviv, Ukraine
- BQ-10P/7 Self-propagating high temperature synthesis (SHS) of solid lubrication on basis of molybdenum disulfide**
 Pysarskyy V.P., Zemlyanoy A.D., Doroshenko Y.A., Cherkes S.I.
Institute of Combustion and Advanced Technologies, I.Mechnikov Odessa National University, Odessa, Ukraine
- BQ-10P/8 Influence of crystallization conditions on the paramagnetic structure of cubic boron nitride crystals**
 Azarko I., Ignatenko O.¹, Kozlova E., Odzhaev V., Shempel N.¹,
 Yankovsky O.
Belorussian State University, Minsk, Belarus
¹*Integrated institute of solid state and semiconductors physics, NASB, Minsk, Belarus*
- BQ-10P/9 Problems of growth of the A^{III}B^V hetero nanostructures by isothermal CVD-methods**
 Guba S.K., Voronin V.A., Kurilo I.V.
Lviv Polytechnic National University, Lviv, Ukraine
- BQ-10P/10 Surface morphology and optical properties of AlN/n-Si (100) films.**
 Zayats N.S., Boiko V.G., Gentsar P.A., Lyvyn O.S., Sopinskyy N.V.,
 Stronski O.V.
V.E.Lashkarev Institute of Semiconductor Physics, NASU, Kiev, Ukraine

BQ-10P/11 Studying of structural perfection of epitaxial layers Cd-Hg-Te by X-ray topography methodSvezhentsova K.V., Sizov F.F., Melnichenko M.M.¹*Institute of Semiconductor Physics of NASU, Kiev, Ukraine*¹*Taras Shevchenko Kiev National University, Kiev, Ukraine***BQ-10P/12 Electrical properties of PbTe<In>/Si films prepared by modified HWE technique**

Samoylov A.M., Belenko S.V., Khoviv A.M., Artamonova O.V.

*Voronezh State University, Voronezh, Russia*¹*Voronezh State University of Architecture and Civil Engineering, Voronezh, Russia***BQ-10P/13 Doped with In lead telluride films on Si substrates prepared by improved HWE technique**Samoylov A.M., Belenko S.V., Khoviv A.M., Synorov Y.V.¹*Voronezh State University, Voronezh, Russia*¹*Voronezh State Academy of Technology, Voronezh, Russia***BQ-10P/14 Using of brushes technique for obtaining of new nanomembranes and nanomaterials**Palistrant N.¹, Kravets L.^{2,*}, Bivol V.¹, Robu S.¹, Barbu N.¹, Crasovski V.¹¹*Institute of Applied Physics, Academy of Sciences of Moldova, Chisinau, Moldova*²*Joint Institute for Nuclear Research, Flerov Laboratory of Nuclear Reactions, Dubna, Russia***BQ-10P/15 Novel polymer/silicate nanocomposites based on crazed polymers**Trofimchuk E.S.¹, Nikonorova N.I.¹, Nesterova E.A.¹, Muzafarov A.M.², Bakeev N.Ph.¹¹*Division of Polymer, Department of Chemistry, M.V. Lomonossov Moscow State University, Moscow, Russia*²*Institute of Synthetic Polymer Materials, Russian Academy of Science, Moscow, Russia***15.00-19.00****Poster Session BR.****Section 3. Materials for Spin Electronics. Transport Phenomena****Chairmen: Pogorily A.M., Patrin G.S.****Manganites&Cobaltites****BR-3P/1 The mechanisms of electric conduction in partially crystallized films of Na-doped manganites**

Pogorily A.M., Tovstolytkin A.I., Matviyenko A.I.

Institute of Magnetism, Kiev, Ukraine

- BR-3P/2 Magneto-resistive properties of nanopowder pressing, mesostructural ceramics and thin films of rare-earth manganite-strontium perovskites**
 Pashchenko A.V.^{1,3}, Revenko Yu.F.¹, Pashchenko V.P.^{1,2}, Prilipko S.Yu.^{1,2}, Varyukhin V.N.¹, Shemyakov A.A.¹, Prilipko Yu.S.², Kisel' N.G.^{1,2}, Prokopenko V.K.¹, Spuskanyuk V.Z.¹, Zhikharev I.V.^{1,3}, Tovstolytkin A.^{1,4}
¹Donetsk Institute for Physics and Engineering after A.A.Galkin of NASU, Donetsk, Ukraine,
²Donetsk Center for Science and Technology "Reaktivelectron" of NASU, Donetsk, Ukraine
³Lugansk Taras Shevchenko National Pedagogical University of MESU, Lugansk, Ukraine
⁴Institute of Magnetism of NASU & MESU, Kyiv, Ukraine
- BR-3P/3 Optical response of $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ after fs pulse excitation**
 Dorosinets V.
 Belarusian State University, Minsk, Belarus
- BR-3P/4 Optics Manifestation of magnetic inhomogeneities in manganite CMR films by effect of magnetotransmission**
 Telegin A.V.¹, Melnikov O.V., Vinogradov A.N.
¹Institute of Metal Physics UD of RAS, Yekaterinburg
 Moscow State University, Moscow
- BR-3P/5 The volume elasticity regularities in linear changes of parameters at X-ray structure analysis of lanthanum manganites.**
 Polakov P.I.
 Mining Processes Physics Institute of the NASU, Donetsk, Ukraine
- BR-3P/6 Preparation conditions and structure investigations of lanthanum manganite nanoparticles**
 Sedykh V., Aristova I.M., Abrosimova G.E., Shekhtman V.Sh., Dubovitskii A.V., Kulakov V.I.
 Institute of Solid State Physics RAS, Chernogolovka, Moscow Region, Russia
- BR-3P/7 Inhomogeneous magnetic state in $\text{Re}_{0.55}\text{Sr}_{0.45}\text{MnO}_3$ (Re = Sm, Nd, Eu, $\text{Eu}_{0.40}\text{Nd}_{0.15}$, $\text{Tb}_{0.25}\text{Nd}_{0.30}$) manganites**
 Abramovich A.I., Koroleva L.I.
 M.V. Lomonosov Moscow State University, Moscow, Russia
- BR-3P/8 Structure and magnetic properties of a $\text{Nd}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ film**
 Prokhorov V.G., Kaminsky G.G., Komashko V.A., Lee Y.P.¹, Park S.Y.¹, Hyun Y.H.¹, Kim J.B.¹, Park J.S.¹, Svetchnikov V.L.², Pashchenko V.P.³, Khokhlov V.A.³, Levchenko G.G.³
 Institute of Metal Physics, NASU, Kiev, Ukraine
¹q-Psi and Department of Physics, Hanyang University, Seoul, Korea
²National Center for HREM, TU Delft, The Netherlands
³Donetsk Physical & Technical Institute, NASU, Donetsk, Ukraine

- BR-3P/9 Synthesis and magnetic properties of the $\text{La}_{0.50}\text{Ba}_{0.50}\text{MnO}_3$ nanomanganites**
 Trukhanov A.V., Stepin S.G., Trukhanov S.V.¹, Botez C.E.², Szymczak H.³
Chemistry Department, Vitebsk State University, Vitebsk, Belarus
¹*Joint Institute of Solids and Semiconductor Physics of NASB, Minsk, Belarus*
²*University of Texas at El Paso, El Paso, TX, USA*
³*Institute of Physics of PAS, Warsaw, Poland*
- BR-3P/10 Magnetotransport properties and size effects in the $\text{Pr}_{0.70}\text{Ba}_{0.30}\text{MnO}_{3+\delta}$ manganites**
 Trukhanov S.V., Trukhanov A.V.¹, Botez C.E.², Szymczak H.³
Joint Institute of Solids and Semiconductor Physics of NASB, Minsk, Belarus
¹*Chemistry Department, Vitebsk State University, Vitebsk, Belarus*
²*University of Texas at El Paso El Paso, TX, USA*
³*Institute of Physics of PAS, Warsaw, Poland*
- BR-3P/11 Neutron powder diffraction study of the anion-deficient $\text{La}_{0.70}\text{Sr}_{0.30}\text{MnO}_{3.00-\gamma}$ manganites**
 Trukhanov S.V., Trukhanov A.V.¹, Zemskova S.G.², Vasilovskiy S.G.², Beskrovniy A.I.²
Joint Institute of Solids and Semiconductor Physics of NASB, Minsk, Belarus
¹*Vitebsk State University, Vitebsk, Belarus*
²*Joint Institute for Nuclear Research, Dubna, Moscow region, Russia*
- BR-3P/12 Manganite $\text{Pr}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ films obtained by the extraction pyrolysis method**
 Patrino G.S.^{1,2}, Polyakova K.P.², Patrusheva T.N.¹, Velikanov D.A.², Volkov N.V.², Balaev D.A.², Patrino K.G.², Klabukov A.A.²
¹*Siberian Federal University, Krasnoyarsk, Russia*
²*L.V.Kirensky Institute of Physics, SB RAS, Krasnoyarsk, Russia*
- BR-3P/13 Resistivity switching due to spin injection in $\text{Ag}-(\text{LaCa})\text{MnO}$ point contacts**
 Boichenko D.I., Tarenkov V.Yu., D'yachenko A.I., Boichenko V.A., Krivoruchko V.N.
Donetsk Institute for Physics and Engineering named after A.A.Galkin, NASU Donetsk, Ukraine
- BR-3P/14 Structural defects, phase transitions and properties of magnetoresistive ceramics $(\text{La}_{1-x}\text{Ca}_x)_{1-y}\text{MnO}_{3+\delta}$**
 Pashchenko A.V.^{1,3}, Revenko Yu.F.¹, Pashchenko V.P.^{1,2}, Turchenko V.A.¹, Prilipko S.Yu.^{1,2}, Varyukhin V.N.¹, Shemyakov A.A.¹, Prilipko Yu.S.², Kisel' N.G.^{1,2}, Prokopenko V.K.¹
¹*Donetsk Institute for Physics and Engineering named after A.A.Galkin, NASU Donetsk, Ukraine*
²*Donetsk Center for Science and Technology "Reaktivelectron", NASU*
³*Lugansk Taras Shevchenko National Pedagogical University, Lugansk, Ukraine*

- BR-3P/15 Inhomogeneous Magnetic State and Magnetic Susceptibility Particularities of Single Crystal $\text{Nd}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ Manganite**
 Dovgii V.T., Linnik A.I., Kamenev V.I., Khokhlov V.A., Kadomtseva A.M.¹, Linnik T.A., Davydeiko N.V., Mikhailov V.I., Ignatyeva E.V.
O. Galkin Donetsk Physics & Technology Institute, NASU
¹*Lomonosov Moscow State University, Russia*
- BR-3P/16 The peculiarities of specific magnetization temperature dependencies of $\text{Pr}_{(1-x)}\text{Ca}_x\text{MnO}_3$ -solid solutions in the temperature range 77 – 850 K**
 Tarasenko T.N., Yanuskevich K.I.¹
Donetsk Institute of Physics and Engineering after O.O. Galkin, Donetsk, Ukraine
¹*Joint Institute of Solids and Semiconductor Physics, Minsk, Belarus*
- BR-3P/17 Double-peak structure of the temperature dependence of electric resistance in self-doped La-deficient manganites in the model of coexisting phases**
 Doroshev V.D., Borodin V.A., Kamenev V.I., Mazur A.S., Tarasenko T.N., Tovstolytkin A.I.¹, Trukhanov S.V.²
Donetsk Institute of Physics and Engineering after O.O. Galkin, Donetsk, Ukraine
¹*Institute of Magnetism, Kyiv, Ukraine*
²*Joint Institute of Solids and Semiconductor Physics, Minsk, Belarus*
- BR-3P/18 Electric properties of nanokompozites based on magnetite and manganite nanoparticles**
 Kovalenko V.F., Petrychuk M.V., Pud S.A.
Taras Shevchenko Kyiv National University, Dept. of Radiophysics, Kyiv, Ukraine
- BR-3P/19 Space distribution of diffuse scattering in twinned LSGM crystals**
 Tataryn T., Savytskii D., Kruk B., Paulmann C.¹, Bismayer U.¹, Berkowski M.²
Lviv Polytechnic National University, Lviv, Ukraine
¹*Universitat Hamburg, Hamburg, Germany*
²*Institute of Physics, Warsaw, Poland*
- BR-3P/20 Transport and thermoelectrical properties of $\text{Ho}_{1-x}\text{Ba}_x\text{CoO}_{3-\delta}$ and $\text{Er}_{1-x}\text{Ba}_x\text{CoO}_{3-\delta}$ ceramics**
 Koslovskii A.A.¹, Khirnyi V.F.¹, Deineka T.G.¹, Semenov A.V.¹, Puzikov V.M.¹, Chiang Yu.N.², Shevchenko O.G.²
¹*Institute for Single Crystals, Kharkov, Ukraine*
²*Institute for Low Temperature Physics and Engineering, Kharkov, Ukraine*

BR-3P/21 A comparative study of GdCoO₃ and SmCoO₃ low temperature magnetizationKazak N.V., Ivanova N.B.¹, Michel C.R.², Balaev A.D., Ovchinnikov S.G.*L.V. Kirensky Institute of Physics, Krasnoyarsk, Russia*¹*Siberian Federal University, Krasnoyarsk, Russia*²*Departamento de Fisica, C.U.C.E.I., Universidad de Guadalajara, Guadalajara, Jalisco, Mexico***Magnetic semiconductors****BR-3P/22 Ferromagnetic semiconductors based on II-IV-V₂ for spintronics**Trukhan V.M., Marenkin S.F.¹, Haliakevich T.V.*Joint Institute of Solid State and Semiconductors Physics NASB, Minsk, Belarus**I Kurnakov Institute of Inorganic and General Chemistry, Moscow, Russia***BR-3P/23 Semiconducting magnets on the basis of CuCr₂Se₄**Aminov T.G.¹, Busheva E.V.¹, Shabunina G.G.¹, Berzhansky V.N.², Arshakuni A.A.¹¹*Kurnakov Institute of General and Inorganic Chemistry RAS, Moscow, Russia*²*V.I. Vernadsky Taurida National University, Simferopol, Ukraine***BR-3P/24 Phase transitions in the copper spinel doped by antimony (Sb)**

Kuz'min E.V.

*V.I. Vernadsky Taurida National University, Simferopol, Ukraine***BR-3P/25 Simulation of impure clusters in cubic magnetic crystals**

Grachov N.E., Polulyakh S.N., Berzhansky V.N., Abelyashev G.N.

*V.I. Vernadsky Taurida National University, Simferopol, Ukraine***BR-3P/26 Electrical properties of doped Sb CuCr₂S₄**Berzhansky V.N.¹, Vlasova T.A.¹, Norden D.V.¹, Aminov T.G.², Busheva E.V.², Shabunina G.G.²¹*V.I. Vernadsky Taurida National University, Simferopol, Ukraine*²*Kurnakov Institute of General and Inorganic Chemistry RAS, Moscow, Russia***BR-3P/27 Electrolytic and ceramic properties of phases on the basis of CaYb₂S₄ from the overstoichiometric content of binary sulfides**

Kalinina L.A., Ushakova Yu.N., Ananchenko B.A., Fominykh E.G., Shirokova G.I.

*SEI HPE «Vyatka State University», Kirov, Russia***BR-3P/28 Sulfide ionic conductivity of sulfursamarates with the structure of Th₃P₄, Yb₃S₄, CaFe₂O₄**

Kalinina L.A., Ushakova Yu.N., Yurlov I.S., Shirokova G.I., Fominykh E.G., Ananchenko B.A.

*SEI HPE «Vyatka State University», Kirov, Russia***BR-3P/29 Hydrothermal Synthesis of Chromium Dioxide**

Mycyuk B.M., Podyalovskiy D.Y., Nevdacha V.V., Pogorilyy A.M.

Institute of Magnetism NASU, Kyiv, Ukraine

- BR-3P/30 Structure, electrical resistance and thermal electromotive force of $\text{Co}_x\text{Mn}_{1-x}\text{S}$ solid solutions**
 Makovetskii G.I., Demidenko O.F., Galias A.I., Yanushkevich K.I.,
¹Riabinkina L.I., ¹Romanova O.B.
JISSPS NASB, Minsk, Belarus
¹*Institute of Physics of SB RAS, Krasnoyarsk, Russia*
- BR-3P/31 Magnetotransport of Heusler alloys thin films**
 Vovk A.^{1,2}, Golub V.¹, Pogoriliy A.¹, Malkinski L.², O'Connor C.J.²,
 Tang J.²
¹*Institute of Magnetism NASU, Kyiv*
²*University of New Orleans, New Orleans, USA*
- BR-3P/32 The nature of anomalous temperature dependence of the electrical resistance of $\text{Fe}_{0.5}\text{Co}_{0.5}$ alloy**
 Repetsky S.P., Tatarenko V.A., Melnyk I.N., Vyshivanaya I.G.
Taras Shevchenko Kyiv University, Kyiv, Ukraine
- BR-3P/33 Peculiarities of magnetoresistive properties and perspectives of practical applications of cluster-layer GMR nanostructures**
 Romashev L.N., Ustinov V.V., Korolev A.V., Milyaev M.A.
Institute of Metal Physics UD RAS, Ekaterinburg, Russia
- BR-3P/34 Spin-flip magnetoresistance of magnetic nanocontacts in Landau-Zener model**
 Belyaev A.A., Useinov N.Kh., Tagirov L.R.
Kazan State University, Kazan, Russia
- BR-3P/35 The effect of mean free path on giant magnetoresistance of nanoscale ferromagnetic heterocontacts**
 Useinov A.N., Tagirov L.R., Deminov R.G.
Kazan State University, Kazan, Russia
- BR-3P/36 Electronic Properties of Spin Valves**
 Sohatsky V., Shulimov Y., Kolesnik S.¹
T. Shevchenko Kyiv National University, Ukraine;
¹*Institute of Semiconductors Physics NASU*
- BR-3P/37 Magnetoresistive Characteristics of Bismuth Films**
 Avramenko B.O., Mirzoev I.G., Ravlik A.G.
National Technical University "Kharkiv Polytechnic Institute", Kharkiv, Ukraine
- BR-3P/38 Pendulum-like Fluxgate Magnetic Field Sensor**
 Ubizskii S.B., Pavlyk L. P.
R&D Center of Solid State Electronics and Sensors, Lviv Polytechnic National University, Lviv, Ukraine
- BR-3P/39 Tunneling spectroscopy of lanthanum manganites' band structure**
 Boichenko V.A., D'yachenko A.I., Tarenkov V.Yu., Krivoruchko V.N.,
 Pashchenko V.P., Revenko Yu.F.
Donetsk Physics & Technology Institute NASU, Donetsk, Ukraine

- CA-30/2 The FMR linewidth and resonance frequency shift caused by double exchange in doped lanthanum manganites**
Khutsishvili K.O., Fokina N.P.
Ivane Javakhishvili Tbilisi State University, Georgia, Tbilisi
- CA-30/7 Magnetic properties and structure of Mn-ion implanted silicon**
Yarkin D.G., Balagurov L.A., Kartavyh A.V., Orlov A.F., Zinenko V.I., Perov N.S.¹, Bublik V.T.², Sapelkin A.³
Institute of Rare Metals, Moscow, Russia
¹*Physics Department, Moscow State University, Moscow, Russia*
²*Moscow Institute of Steel and Alloys, Moscow, Russia*
³*Queen Mary, University of London, London, GB*

Wednesday, October 3

9.00-13.00

Oral Session CA.

Section 3. Materials for Spin Electronics. Transport Phenomena

Chairmen: Bebenin N.G., Krivoruchko V.N.

- CA-3L/1 Ferromagnetic La-Ca manganites (invited)**
Bebenin N.G.
Institute of Metal Physics, UD RAS, Ekaterinburg, Russia
- CA-3L/2 Point-contact and tunneling spectroscopy half-metallic properties of manganites (invited)**
D'yachenko A.I., Krivoruchko V.N., Tarenkov V.Yu.
Donetsk Physics & Technology Institute NASU, Donetsk, Ukraine
- CA-3L/3 Unusual Properties of Paramagnet to Ferromagnet Phase Transition and Phase Separation in Hole Doped Manganites (invited)**
Lazuta A.V., Ryzhov V. A., Kiselev I.A., Khavronin V.P., Chernenkov Yu.P., Molkanov P.L., Smirnov O.P., Troaynchuk I.O.¹, Trukhanov S.V.¹
Petersburg Nuclear Physics Institute RAS, Gatchina, St. Petersburg, Russia
¹*Institute of Physics of Solids and Semiconductors NAS, Minsk, Belarus*
- CA-3L/4 First-order ferromagnetic transitions in doped manganites: transformation of transport and resonance properties within a transition region (invited)**
Tovstolytkin A.I., Pogorily A.M., Dzhezherya Yu.I.
Institute of Magnetism, Kyiv, Ukraine
- CA-3L/5 Application of high pressure treatment to produce silicon based materials for spintronics (invited)**
Misiuk A., Chow L.¹
Institute of Electron Technology, Warsaw, Poland
¹*Department of Physics, University of Central Florida, Orlando, USA*
- CA-30/1 Electron Structure of the CMR Manganites**
Gavrishkov V.A., Ovchinnikov S.G.
Kirensky Institute of Physics, Krasnoyarsk, Russia

- CA-30/3 Microwave detection effect in manganite granular system**
 Volkov N.V.^{1,2}, Eremin E.V.¹, Shaykhutdinov K.A.¹, Tsikalov V.S.¹,
 Petrov M.I.¹, Martyanov O.N.³
¹*Kirensky Institute of Physics SB RAS, Krasnoyarsk, Russia*
²*Siberian Federal University, Krasnoyarsk, Russia*
³*Boreskov Institute of Catalysis SB RAS, Novosibirsk, Russia*
- CA-30/4 Nano- and mesostructural nonuniformity, phase transitions and magnetoresistive properties of manganite rare-earth perovskites and ferros spinels**
 Pashchenko A.V., Pashchenko V.P., Prilipko S.Yu., Varyukhin V.N.,
 Shemyakov A.A., Prokopenko V.K., Kopaev A.V.¹, Zakharchenko S.I.²
Donetsk Institute for Physics and Engineering named after A.A.Galkin, NASU, and Donetsk, Ukraine
¹*Vasyl Stefanyk Precarpathian University, Ivano-Frankivsk, Ukraine*
²*NPF "Ferroceram", Belaya Tserkov, Ukraine*
- CA-30/5 Investigations of interlayer coupling in trilayer NiFe/Bi/NiFe films**
 Patrino G.S.^{1,2}, Yakovchuk V.Yu.¹, Velikanov D.A.¹, Eremin E.V.¹
¹*L.V. Kirensky Institute of Physics, Siberian Branch, RA S, Krasnoyarsk, Russia*
²*Siberian Federal University, Krasnoyarsk, Russia*
- CA-30/6 Structures for detecting of weak magnetic field based on disordered multilayer systems of magnetic nanoislands**
 Boltaev A.P., Pudonin F.A.
P.N.Lebedev Physical Institute of the RAS, Moscow, Russia

9.00-14.00 **Poster Session AP.**

Section 6. Elastic & Magnetoelastic Phenomena. Adaptive Materials

Chairmen: Shavrov V.G., Kokorin V.V.

- AP-6P/1 Influence of aging on martensitic transformation in Ni-Mn-Ga shape memory alloy**
 Khovaylo V.^{1,2}, Omori T.³, Kainuma R.⁴, Miki H.⁵, Takagi T.⁵
¹*Institute of Radioengineering and Electronics of RAS, Moscow, Russia*
²*Moscow State Mining University, Moscow, Russia*
³*Department of Materials Science, Graduate School of Engineering, Tohoku University, Sendai, Japan*
⁴*Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, Sendai, Japan*
⁵*Institute of Fluid Science, Tohoku University, Sendai, Japan*

- AP-6P/2 Functional Shape Memory Composite Material Able to Giant Reversible Bending**
 Koledov V.V., Khovaylo V.V., Pushin V.G., Shavrov V.G., Perov E.P., Lebedev G.A.¹, Zakharov D.I.¹, Ohtsuka M.²
Institute of Radioengineering and Electronics of RAS, Moscow, Russia
¹*Moscow State Institute of Steel and Alloys, Technological University, Moscow, Russia*
²*Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, Sendai, Japan*
- AP-6P/3 Temperature dependence of physical properties of Ni_{53,35}Mn_{31,20}In_{15,45} alloy in the phase transition region**
 Musabirov I.I., Mulyukov Kh.Ya., Khovailo V.V.¹, Koledov V.V.¹, Shavrov V.G.¹
Institute for Metals Superplasticity Problems, RAS, Ufa, Russia
¹*Institute of Radio Engineering and Electronics RAS, Moscow, Russia*
- AP-6P/4 Microactuator based on the rapidly quenched ribbon of alloy Ti_{49,5}Ni_{25,5}Cu_{25,0} with two-way shape memory effect**
 Koledov V.V., Khovailo V.V., Kuchin D.C., Lega P.V., Pushin V.G., Shavrov V.G.
Institute of radio engineering and electronics RAS, Moscow, Russia
- AP-6P/5 Relation of rapidly quenched alloy NiTiCu crystalline structure with shape memory effect**
 Istomin V.V., Kanashenko S.L., Koledov V.V., Kuchin D.S., Lega P.V., Lebedev G.A., Pushin V.G., Shavrov V.G.
Institute of Radioengineering and Electronics of RAS, Moscow, Russia
- AP-6P/6 Narrow hysteresis martensitic transformations in the ferromagnetic Ni-Mn-Ga shape memory alloys**
 Kokorin V.V., Semenova Yu.S., Cherepov S.V.
Institute of Magnetism NASU, Kiev, Ukraine
- AP-6P/7 Physical properties of Fe-Co-Ni-Ti ferromagnetic alloys doped by Cu**
 Kokorin V.V., Kozlova L.E., Perekos A.E.¹, Levchuk Yu.S., Ruzhitskaya T.V.¹
Institute of Magnetism NAS and MES of Ukraine, Kiev, Ukraine
¹*Institute of Physics of Metals NASU, Kiev, Ukraine*
- AP-6P/8 New Ideas about Mechanism of Reverse Martensitic Transformation in Fe-Ni-Based Alloys**
 Zemtsova N.D.
Institute of Metal Physics, UD RAS, Ekaterinburg, Russia
- AP-6P/9 Physical properties of the Co₂CrAl Heusler alloy films with various structural order**
 Oksenenko V.A., Kudryavtsev Y.V., Uvarov V.N., Lee Y.P.¹, Dubowik J.²
Institute of Metal Physics, NASU, Kiev, Ukraine
¹*q-Psi and Department of Physics, Hanyang University, Seoul, Korea*
²*Institute of Molecular Physics, PAS, Poznan, Poland*

- AP-6P/10 Influence of Magnetic Ordering on the Structural Phase Transition in a Conducting Ferromagnet Having Degenerated Spin Subbands**
 Popkov A.F., Goryachev A.V.¹, Shavrov V.G.²
Lukin Scientific Research Institute of Physical Problems, Zelenograd, Moscow, Russia,
¹*Moscow Institute of Electronic Engineering (Technological University), Zelenograd, Moscow, Russia*
²*Institute of Radio Engineering and Electronics, RAS, Moscow, Russia*
- AP-6P/11 Tree-phonon bound states in antiferromagnet**
 Preobrazhensky V.L.^{1,2}, Rudenko V.V.^{1,3}, Pernod P.¹, Ozhogin V.I.⁴
¹*Joint European Laboratory LEMAC :Institut d'Electronique et de Micro-electronique et de Nanotechnologie (IEMN-DOAE-UMR CNRS 8520), Ecole Centrale de Lille, Villeneuve d'Ascq, France*
²*Wave Research Center of General Physics Institute RAS, Moscow, Russia*
³*V.I.Vernadsky Taurida National University, Simferopol, Ukraine*
⁴*RRC "Kurchatov Institute" Moscow, Russia*
- AP-6P/12 Wave phase conjugation of anti-stokes component of Brillouin scattering of ultrasonic waves**
 Pyl'nov Yu.V.^{1,3}, Smagin N.V.^{1,3}, Preobrazhensky V.L.^{1,2}, Pernod Ph.¹
¹*Joint European Laboratory LEMAC :Institut d'Electronique et de Micro-electronique et de Nanotechnologie (IEMN-DOAE-UMR CNRS 8520), Ecole Centrale de Lille, Villeneuve d'Ascq, France*
²*Wave Research Center of General Physics Institute RAS, Moscow, Russia*
³*Moscow State Institute of Radio Engineering, Electronics & Automation, Moscow, Russia*
- AP-6P/13 Liquid flowmeters by using phase conjugated ultrasonic waves**
 Pyl'nov Yu.V.^{1,3}, Smagin N.V.^{1,3}, Preobrazhensky V.L.^{1,2}, Pernod Ph.¹
¹*Joint European Laboratory LEMAC :Institut d'Electronique et de Micro-electronique et de Nanotechnologie (IEMN-DOAE-UMR CNRS 8520), Ecole Centrale de Lille, Villeneuve d'Ascq, France*
²*Wave Research Center of General Physics Institute RAS, Moscow, Russia*
³*Moscow State Institute of Radio Engineering, Electronics & Automation, Moscow, Russia*
- AP-6P/14 New procedure for verification of ability of magnetostriction ferrites to serve as a parametrically active medium in ultrasound phase conjugate systems**
 Brysev A.P.¹, Pernod P.², Preobrazhensky V.^{1,2}
¹*LEMAL- Laboratoire Européen en Magnéto-Acoustique non linéaire de la matière condensée*
²*Wave Research Center of General Physics Institute RAS, Moscow, Russia*
- AP-6P/15 Influence of pressure on magnetic and magnetoacoustic effects in rhombohedral antiferromagnets**
 Skibinsky K.M., Strugatsky M.B.
V.I.Vernadsky Taurida National University, Simferopol, Ukraine

- AP-6P/16 Spectrum of surface magneto-elastic waves in a cubic ferromagnet with uniaxial anisotropy induced along [111]**
Vakhitov R.M., Ryakhova O.G.¹, Nazirov N.N.
Bashkir State University, Ufa, Russia
¹*Ufa State Aircraft Technology University, Ufa, Russia*
- AP-6P/17 Localization of the shear waves in uncompensated magnetics**
Lapteva T.V., Tarasenko S.V.
Donetsk Institute for Physics and Technology, NASU, Donetsk, Ukraine
- AP-6P/18 Acoustic Resonator Spectroscopy of thin plates and layers**
Alekseev S.G., Mansfeld G.D., Sergeev F.O.
Institute of Radioengineering and Electronics RAS, Moscow, Russia
- AP-6P/19 Intermediate spin state stability in iron (II, III) porphyrin complexes under effects of a pressure, a temperature and a magnetic field**
Zhitlukhina E.S., Lamonova K.V., Orel S.M., Pashkevich Yu.G.
Donetsk Institute for Physics and Engeneering after O. O. Galkin, NASU, Donetsk, Ukraine
- AP-6P/20 Pressure-induced spin transition in model complex Fe(phen)₂(NCS)₂**
Levchenko G.G., Bukin G.V., Gaspar A.¹, Real J.A.¹
A.A. Galkin Donetsk Physical & Technical Institute NASU, Donetsk
¹*Institut de Ciencia Molekular, Universitat de Valencia, Spain*
- AP-6P/21 Thermally induced acoustic waves in porous silicon**
Benilov A.I., Gavrilchenko I.V., Shulimov Yu.G., Skryshevsky V.A.
Radiophysics Department, Kiev National Taras Shevchenko University, Kiev, Ukraine
- AP-6P/22 Dynamics the Acoustic Emission of Materials**
Lyashenko O.V.
Taras Shevchenko Kyiv National University, Kiev, Ukraine
- AP-6P/23 Fabrication of heterogeneous film structures by thermally activated mass-transfer**
Filatov A.V., Pogorelov A.E., Nevdacha V.V.¹, Kravets A.F.¹
G.V. Kurdyumov Institute for Metal Physics, NAS of Ukraine, Kiev, Ukraine
¹*Institute of Magnetism under NAS and MES of Ukraine, Kiev, Ukraine*
- AP-6P/24 The plastic flow of amorphous material**
Marchenko V.I., Misbah C.¹
Kapitza Institute for Physical Problems, RAS, Moscow, Russia
¹*Universite Joseph Fourier, Grenoble, France*
- AP-6P/25 Influence of tensile stresses on ΔE-effect in the amorphous ribbons Fe₆₄Co₂₁B₁₅ annealling by electric current**
Gavriliuk A.A., Mokhovikov A.Yu., Semirov A.V., Semenov A.L., Turik N.V., Kudryavcew V.O.
Irkutsk State University, Irkutsk, Russia

- AP-6P/26 Pressure-induced transitions during annealing of silicon implanted with oxygen, Si: O**
Varyukhin V.N., ¹Misiuk A., Efros B.M.
Physics & Technology Institute of NASc of Ukraine, Donetsk, Ukraine
¹*Institute of Electron Technology, Warsaw, Poland*
- AP-6P/27 Simultaneous influence of alternative electrical voltage and mechanical stress on amplitude dependent internal friction in semiconductors and SiO₂**
Onanko A.P., Polovina O.I., Bezrodniy D.A., Onanko Y.A., Levitskiy O.V.
Taras Shevchenko Kiev national university, physics department, Kiev, Ukraine
- AP-6P/28 Influence of irradiation on relaxed processes in Si and SiO₂**
Onanko A.P., Lyashenko O.V., Bezrodniy D.A., Onanko Y.A., Lyashenko I.O., Levitskiy A.V.
Taras Shevchenko Kiev national university, physics department, Kiev, Ukraine
- AP-6P/29 Influence of temperature, magnetic field and pressure on internal stresses in solids**
Ryumshyna T.A., Poljakov P.I.¹
Donetsk Institute of Physics and Engineering NAS of Ukraine, Donetsk, Ukraine
¹*Physics of Mining processes Institute, Donetsk, Ukraine*
- AP-6P/30 Density changes in FRTP Cu after severe plastic deformation**
Zavdoveev A., Varyukhin V., Spuskanyuk V., Davidenko A., Zakoretskaya T.
DonPTI NASU, Donetsk, Ukraine
- AP-6P/31 Influence of magnetic field on plastic deformation of imperfect metals at low temperatures**
Malashenko V.V.^{1,2}
¹*Donetsk National Technical University, Donetsk, Ukraine*
²*Donetsk Physical & Technical Institute of the NASU, Donetsk, Ukraine*
- AP-6P/32 Ab initio lattice dynamic calculations for nonmetals at high pressure**
Troitskaya E.P., Chabanenko Val.V., Horbenko E.E.¹, Kuzovoy N.V.¹, Shtaerman E.Ya.
Donetsk A.A. Galkin Institute of Physics and Technology NASU, Donetsk, Ukraine
¹*Taras. Shevchenko National Ped. University, Luhansk, Ukraine*
- AP-6P/33 Noise effect on thermodynamics of fragmentation at severe plastic deformation**
Khomenko A.V., Lyashenko I.A., Metlov L.S.¹
Sumy State University, Sumy, Ukraine
¹*Donetsk Institute for Physics and Engineering of the NASU, Donetsk, Ukraine*

- AP-6P/34 The estimation of phonon subsystem influence on spin crossover in compounds like $\text{Fe}(\text{phen})_2(\text{NCS})_2$**
Shelest V.V., Christov A.V., Levchenko G.G.
Donetsk Institute for Physics and Engineering, NASU, Donetsk, Ukraine
- AP-6P/35 Dynamic parameters of magnetostriction ferrites**
Rudenko V.V.¹, Yevstafyev A.I.¹, Pernod Ph.², Preobrazhensky V.L.², Berzhansky V.N.¹, Vlasova T.A.¹, Fersenkov N.A.³, Kunevich A.V.⁴
¹*V. I. Vernadsky Taurida National University, Simferopol, Ukraine*
²*Joint European Laboratory LEMAC:*
³*Institut d'Electronique, de Micro-électronique et de Nanotechnologie (IEMN-DOAE-UMR CNRS 8520), Ecole Centrale de Lille, France*
⁴*"North West Laboratory" Ltd, St.Petersburg, Russia*
- AP-6P/36 Automatized high pressure set-up for complex research of functional materials**
Bukin G.V., Lechenko G.G., Kasyanov A.I., Sukmanov V.A.¹, Sokolov S.A.¹, Dekan A.A.¹, Sabirov A.V.¹, Golovinov V.P.¹
Donetsk Physical & Technical Institute NASU, Donetsk, Ukraine
¹*Donetsk National University Economy & Commerce, Donetsk, Ukraine*
- AP-6P/37 Mossbauer spectrometer for high pressure study of functional materials**
Terekhov S.A., Postol P.N., Makmak I.M., Levchenko G.G., Galkin A.A.
Donetsk Physical-Technical Institute NASU, Donetsk, Ukraine
- AP-6P/38 Anthracite properties under high pressure up to 2 GPa**
Polyakov P.I., Slyusarev V.V.
Physics of Mining Processes Institute, Ukraine, Donetsk
- AP-6P/39 Structure evolution zirconium hydroxide nanoparticles under high pressure**
Sinyakina S.A., Gorban O.A., Ryumshyna T.A., Kulik Yu.O.¹, Danilenko I.A., Konstantinova T.E.
Donetsk Institute of Physics and Engineering NASU, Donetsk, Ukraine
¹*Ivan Franko Lviv National University, Ukraine*

9.00-14.00 Poster Session AQ.

Section 7. Metamaterials. Photonic, magnonic & phononic crystals

Chairmen: Vinogradov A.P., Lyubchanskii I.L.

- AQ-7P/1 Excitonic magnetophotonic one-dimensional structures**
Erokhin S.^{1,2}, Deych L.², Lisyansky A.², Granovsky A.¹
¹*Lomonosov Moscow State University, Moscow, Russia*
²*Queens College of the City University of New York, New York, USA*
- AQ-7P/2 Exact coupled-mode theory of a one-dimensional magneto-photonic crystal**
Boucher Y.G.¹, Bentivegna F.F.L.¹, Lyubchanskii I.L.²
¹*ÉNIB/RESO Lab, CS 73862, F-29238 Brest cedex 3, France*
²*Donetsk Physical and Technical Institute NASU, Donetsk, Ukraine*

- AQ-7P/3 The analysis of polariton spectrum of a one-dimensional gyrotropic magnetic photonic crystal in an external DC field**
Kulagin D.V., Savchenko A.S., Tarasenko S.V.
Donetsk Institute for Physics and Engineering NASU, Donetsk, Ukraine
- AQ-7P/4 Inhomogeneously magnetization of magnonic ferrite film measurement using magneto-optical Kerr effect**
Klimov A.¹, Nikitov S.¹, Vlas'uk A.¹, Park Ch.²
¹*Institute of Radio Engineering and Electronics, RAS, Russia*
²*Quantum Functional Semiconductor Research Center, Dongguk University, Seoul, Korea*
- AQ-7P/5 Volume magnetostatic waves in magnonic crystals**
Vysotsky S.L.¹, Nikitov S.A.², Filimonov Yu.A.¹, Pavlov E.S.³
¹*Saratov branch of IRE RAS, Saratov, Russia*
²*IRE RAS, Moscow, Russia*
³*Saratov State University, Saratov, Russia*
- AQ-7P/6 Nonlinear surface magnetostatic waves in 2D magnonic crystals**
Vysotsky S.L.¹, Kazakov G.T.¹, Kozhevnikov A.V.¹, Nikitov S.A.², Filimonov Yu.A.¹
¹*Saratov branch of IRE RAS, Saratov, Russia*
²*IRE RAS, Moscow, Russia*
- AQ-7P/7 Degree of localization and distribution of amplitude of a spin wave in vicinity of a defect of a magnonic crystal**
Sokolovskii M.L.¹, Dvornik N.A.¹, Kruglyak V.V.², Kuchko A.N.¹
¹*Donetsk National University, Donetsk, Ukraine*
²*School of Physics, University of Exeter, Exeter, UK*
- AQ-7P/8 Peculiarities of photonic band gap width dependence upon concentration of the admixture layers randomly included in composite material**
Rumyantsev V.V., Fedorov S.A., Shtaerman E.Ya.
A.A.Galkin Donetsk Physico-Technical Institute NASU, Donetsk, Ukraine
- AQ-7P/9 Optical vortex filters on the basis of one-dimensional chiral photonic-crystal fibres**
Alexeyev C.N., Yavorsky M.A.
Taurida National V.I. Vernadsky University, Simferopol, Ukraine
- AQ-7P/10 The anomalies of volume SH wave propagating in a one-dimensional acoustically gyrotropic magnetic phononic crystal**
Lapteva T.V., Tarasenko O.S., Tarasenko S.V., Yurchenko V.M.
Donetsk Institute for Physics and Technology NASU, Donetsk, Ukraine

Thursday, October 4

9.00-13.00**Oral Session DA.****Section 8. Spin Dynamics. Microwave Materials****Chairmen: Slavin A.N., Melkov G.A.**

- DA-8L/1 Spin waves and magnetic resonances in inhomogeneous superlattices and nanocrystals** (invited)
Ignatchenko V.A., Mankov Yu.I.
L.V. Kirensky Institute of Physics SB RAS, Krasnoyarsk, Russia
- DA-8L/2 Generalization of the Gilbert Model of Magnetic Damping for Large Precession Angles** (invited)
Tiberkevich V.S., Slavin A.N.
Department of Physics, Oakland University, Rochester, MI, USA
- DA-8L/3 Brillouin Light Scattering Spectroscopy of Nonlinear Spin Waves** (invited)
Serga A.A., Hillebrands B.
Fachbereich Physik, TU Kaiserslautern, Kaiserslautern, Germany
- DA-8O/2 Refraction and reflection of spin waves in ferromagnetic and antiferromagnetic materials**
Gorobets Yu.I.¹, Reshetnyak S.A.²
¹*Institute of Magnetism NASU, Kiev, Ukraine*
²*National Technical University of Ukraine "Kyiv Polytechnic Institute", Kyiv, Ukraine*
- DA-8O/3 Nonresonant wave front reversal**
Melkov G.A., Moyseenko V.A., Vasyuchka V.I.,
Chumak A.V., Slavin A.N.¹
Taras Shevchenko National University of Kiev, Kiev, Ukraine
¹*Department of Physics, Oakland University, Rochester, Michigan, USA*
- DA-8O/4 BLS observations of thermal modes in YIG films on GGG substrate**
Neumann T., Schneider T., Serga A.A., Hillebrands B.
Fachbereich Physik, TU Kaiserslautern, Kaiserslautern, Germany
- DA-8O/5 Engineering Theory of Spin-Torque Microwave Oscillators**
Slavin A.N., Tiberkevich V.S.
Department of Physics, Oakland University, Rochester, MI, USA
- DA-8O/6 Magnetodynamics features in spin-valve structure under spin torque transfer**
Korneev V.I.², Kulagin N.E.¹, Popkov A.F.^{1,2}, Popov D.A.¹,
Chinenkov M.Yu.^{1,2}
¹*F.V. Lukin State Scientific-Research Institute of Physical Problems, Moscow, Russia*
²*Moscow Institute of Electronic Technology, Moscow, Russia,*

DA-80/7 Characteristics of Electromagnetic Waves in “Magnetic Wall - Ferrite Plate - Conducting Plane” Structure

Lock E., Vashkovsky A.

*Institute of Radioengineering and Electronics RAS (Fryazino branch),
Moscow region, Russia***DA-80/8 Slow magnetic polaritons in the superconductor-magnet-superconductor structure**

Polzikova N.I., Raevskii A.O., Mansfeld G.M.

*Institute of radioengineering and electronics RAS, Moscow***DA-80/9 Current induced dynamics of magnetic vortex in nanoparticles**Sheka D.D.¹, Gaididei Y.², Mertens F.G.³¹*National Taras Shevchenko University of Kiev, Kiev, Ukraine*²*Institute for Theoretical Physics, Kiev, Ukraine*³*Physics Institute, University of Bayreuth, Bayreuth, Germany***DA-80/10 Spin waves in silicon dioxide films with cobalt nanoparticles on gallium arsenide**Lutsev L.V.¹, Stashkevich A.A.², Stognij A.I.³, Novitskii N.N.³¹*Research Institute 'Ferrite-Domen', St Petersburg, Russia*²*LPMTM CNRS (UPR 9001), Villetaneuse, France*³*Institute of Solid State and Semiconductor Physics, NASB, Minsk, Belarus***13.15-14.00****Oral Session DB.****Section 12. NMR & EPR****Chairmen: Berzhansky V.N., Sergeev N.A.****DB-120/1 Relaxation Properties of Spin-Echo Signals from Quadrupole Nuclei in Magnetic Materials**

Berzhansky V.N., Gorbovanov A.I., Polulyakh S.N.

*V.I.Vernadsky Taurida National University, Simferopol, Ukraine***DB-120/2 Anomalous behaviour of g-factor near the spin state transition points. Modified crystal field approach**

Babkin R., Zhitlukhina E., Lamonova K., Orel S., Pashkevich Yu.

*Donetsk Institute for Physics and Engeneering after O. O. Galkin, NASU,
Donetsk, Ukraine*

9.00-14.00**Poster Session DP.****Section 9. Ionizing Radiation Sensing Materials****Chairmen: Aleksandrov K.S., Lyubutin I.S.**

- DP-9P/1 Growth and properties of NaLa(WO₄)₂ single crystals**
 Gorobets Yu.N.¹, Kosmyna M.B.¹, Nazarenko B.P.¹, Puzikov V.M.¹,
 Shekhovtsov A.N.¹, Zelenskaya O.V.²
¹STC "Institute for Single Crystals", Institute for Single Crystals, NASU,
 Ukraine
²STC "Institute for Single Crystals", Institute for Scintillation Materials,
 NASU, Kharkov, Ukraine
- DP-9P/2 Liquid scintillators on the basis of organosilicons**
 Bedrik A.I., Andryuschenko L.A., Vidayj Yu.T., Grinyov B.V.,
 Gorbacheva T.E., Tarasov V.A., Shershykov V.M., Eliseev D.A.
 Institute for Scintillation Materials, STC "Institute for Single Crystals"
 NASU, Kharkov, Ukraine
- DP-9P/3 KDP: (Ti⁺, Ce³⁺) crystals: a new scintillation detector for registration of fast neutrons**
 Voronov A.P., Salo V.I., Babenko G.N., Puzikov V.M., Vydai Yu.T.
 STC "Institute for Single Crystals" NASU, Kharkov, Ukraine
- DP-9P/4 New phases formation on internal and external surfases of NaJ:Ti crystals**
 Kudin K.A., Voloshko A.Yu., Matejchenko P.V.¹
 STC "Institute for Single Crystals" NASU, Kharkiv, Ukraine
¹ Institute for Single Crystals NASU, Kharkiv, Ukraine
- DP-9P/5 Photochromic efect and UV radiation detection possibilities of BGO crystals**
 Bondar V., Katrunov K., Krivoshein V., Nagorna L., Starzhinskiy M.,
 Tkachenko S.
 Institute for Scintillation Materials NASU, Kharkov, Ukraine
- DP-9P/6 Influence of different defects on radiation stability of cadmium tungstate single crystals**
 Tupitsyna I., Grinyov B., Katrunov K., Nagornaya L., Onishchenko G.
 Institute for Scintillation Materials of STC "Institute for single crystals"
 NASU, Kharkov, Ukraine
- DP-9P/7 Obtaining and luminescence properties of Lu₂O₃:Eu³⁺ nanocrystalline powders**
 Yermolayeva Yu.V., Korshikova T.I., Sergienko Z.P., Tolmachev A.V.,
 Yavetskiy R.P.
 Institute for Single Crystals NASU, Kharkov, Ukraine

- DP-9P/8 Optico-luminescent and scintillation properties of low-background crystals CdWO₄ and ZnWO₄ and scintillators on their base**
 Nagornaya L.L.¹, Grinyov B.V.¹, Danevich F.A.², Dubovik A.M.¹, Vostretsov Yu.Ya.¹, Tupitsyna I.A.
¹*Institute for Scintillation Materials of STC “Institute for Single Crystals”, Kharkov, Ukraine*
²*Ukraine institute for Nuclear Research, Kiev, Ukraine*
- DP-9P/9 Particularities in obtaining and scintillation properties of (Gd_xEu_{1-x})₂SiO₅ crystals**
 Katrunov K.¹, Nagornaya L.¹, Bondar’ V.¹, Burachas S.², Starzhynskiy N.¹
¹*Institute for Scintillation Materials NASU, Kharkov, Ukraine*
²*RRC “Kurchatov Institute” Moskow, Russia*
- DP-9P/10 Low-temperature synthesis and morphology of nanocrystalline phosphores based on GdPO₄:Eu³⁺**
 Babayevskaya N.V., Kryzhanovskaya A.S., Savin Yu.N., Tolmachev A.V.
STC “Institute for Single Crystals”, Institute for Single Crystals NASU, Kharkov, Ukraine
- DP-9P/11 Effect of Gd³⁺ ions on emission properties of the mixed phosphates Y_{1-x-y}Gd_xEu_yPO₄, grown from water solution**
 Babayevskaya N.V., Savin Yu.N., Oleynik S.S., Bezkravnaya O.N.
STC “Institute for Single Crystals”, Institute for Single Crystals NASU, Kharkov, Ukraine
- DP-9P/12 Distribution and luminescent properties of Ce³⁺ ions in calcium hydroxyapatite**
 Berezovskaya I.V.¹, Efrushina N.P.¹, Voloshinovskii A.S.², Stryganyuk G.B.^{2,3}, Dotsenko V.P.¹
¹*Physico-Chemical Institute, NASU, Odessa, Ukraine*
²*Ivan Franko National University of Lviv, Lviv, Ukraine*
³*HASYLAB at DEZY, Notkestraße, Hamburg, Germany*
- DP-9P/13 Investigation of Schottky structures nZnSe (X)/Ni as candidates for selective ultraviolet detectors**
 Katrunov K., Starzhinskiy N., Grinyov B., Galchinetskii L., Bondarenko E.
Institute for Scintillation Materials NASU, Kharkov, Ukraine
- DP-9P/14 Microwave synthesis of cadmium tungstate**
 Sofronov D.S., Baumer V.N., Voloshko A.Yu., Babijchuk I.P., Shishkin O.V.
SSI STC “Institute for Single Crystals” NASU, Kharkov, Ukraine
Institute for Scintillation Materials STC “Institute for Single Crystals” NASU, Kharkov, Ukraine

- DP-9P/15 Liquid crystal formation in mixtures of metal alkanoates: gadolinium-containing binary systems**
Zavora L.N., Panikarskaya V.D., Kasian N.A., Bedrik A.I., Shershukov V.M., Lisetski L.N., Mirnaya T.A.¹
Institute for Scintillation Materials of STC "Institute for Single Crystals", NASU, Kharkiv, Ukraine
¹*V.I. Vernadsky Institute of General and Inorganic Chemistry, NASU, Kyiv, Ukraine*
- DP-9P/16 Luminescence of Eu-doped Ca₃Ga₂Ge₃O₁₂ and Gd₃Ga₂Ge₃O₁₂ garnets**
Kostyk L., Luchechko A., Tsvetkova O., Zelenevych O.
Faculty of Electronics, Ivan Franko National University of Lviv, Lviv, Ukraine
- DP-9P/17 Influence of inorganic scintillator light output non-proportionality and energy of registered ionizing radiation on radiometric parameters of detectors on their base**
Vidayj Yu.T., Tarasov V.A., Gorbacheva T.E.
Institute for Scintillation Materials, STC "Institute for Single Crystals" NASU, Kharkov, Ukraine,
- DP-9P/18 Light collection peculiarities in X-ray scintillation detectors**
Gorbacheva T.E., Tarasov V.A., Vidayj Yu.T., Ananenko A.A., Gavrylyuk V.P.
Institute for Scintillation Materials, STC "Institute for Single Crystals" NASU, Kharkov, Ukraine
- DP-9P/19 White light emitting luminophors based on BaLn₂Ti₃O₁₀ compounds**
Titov Yu., Bojko V.¹, Krayevska Ya., Nedilko S., Nedyelko I., Scherbatskii V.
Kyiv National Taras Shevchenko University, Kyiv Ukraine
¹*National Agriculture University, Kyiv, Ukraine*
- DP-9P/20 The sensibilization of TiO₂ photocatalyst by zirconium dioxide at electron irradiation**
Eremenko A.M.¹, Smirnova N.P.¹, Vitjuk N.V.¹, Busko T.O.², Dmytrenko O.P.², Kulish N.P.², Shlapatskaya V.V.³
¹*Institute of Surface Chemistry of NUAS, Kiev, Ukraine*
²*Kiev National Shevchenko University, Kiev, Ukraine*
³*L.V. Pisarghevsky Institute for Physical Chemistry of NUAS, Kiev, Ukraine*
- DP-9P/21 The influence of Bi admixtures on structural and electron-defects processes in noncrystalline GeS and GeSe films**
Romanyuk R.R.¹, Mykolaychuk O.G.²
¹*Western Scientific Centre, Lviv, Ukraine*
²*Ivan Franko L'viv National University, Lviv, Ukraine*
- DP-9P/22 Cerium doped silica: preparation and spectral study**
Ignatovych M.¹, Borysenko M.¹, Chernjavaska T.¹, Baranyai P.², Vidóczy T.², Kelemen A.³
¹*Institute of Surface Chemistry, NASU, Kyiv, Ukraine*
²*Laser Spectroscopy Laboratory, CRC HAS, Budapest, Hungary*
³*Institute of Isotopes HAS, Budapest, Hungary*

- DP-9P/23 Ionizing detectors on the base of float-zone silicon doped by rare-earth elements**
Brinkevich D.I., Prosolovich V.S., Yankovski Yu.N.
Belorussian State University, Minsk, Belarus
- DP-9P/24 Electronic transitions and luminescent properties of the doped zinc sulphide**
Miloslavskyy A.
Donetsk National University, Donetsk, Ukraine
- DP-9P/25 Processes of sensitization of materials on the basis of compounds with the bond such as Xe–O**
Kondratenko P.A.¹, Lopatkin Yu.M.², Sakun T.N.¹
¹ *National aviation university, Kiev, Ukraine*
² *RI of physics of Odessa National I.I.Mechnikov University, Odessa, Ukraine*
- DP-9P/26 Pedestrian monitor based on the oxide scintillators**
Grinyov B.V., Nekrasov V.V., Borodenko Yu.A., Piven L.A., Koval A.F., Selegenov E.M., Voloshina L.I., Kozmin Yu.S.
Institute for Scintillation Materials, NASU, Kharkov, Ukraine
- DP-9P/27 Pocket high-sensitivity dosimeter-spectrometer based on the system "scintillator-photodiode"**
Grinyov B.V., Nekrasov V.V., Borodenko Yu.A., Selegenov E.M., Voloshina L.I., Kozmin Yu.S.
Institute for Scintillation Materials, NASU, Kharkov, Ukraine
- DP-9P/28 Organic polycrystals obtaining conditions influence on their optical and scintillation characteristics**
Minenko S.S., Lisetski L.N.
Institute for Scintillation Materials of STC "Institute for Single Crystals", NASU, Kharkov, Ukraine
- DP-9P/29 Photoluminescence of organic semiconductor structures contained phthalocyanine molecules doped with lanthanide ions**
Belogorokhov I.A., Ryabchikov Yu.V., Tikhonov E.V., Breusova M.O., Pushkarev V.E., Tomilova L.G., Khokhlov D.R.
Moscow State University, Moscow, Russia
- DP-9P/30 Comparison of the different models of the rough surface for the computer simulation of the light collection in the system "scintillator-light guide"**
Kilimchuk I.V.¹, Tarasov V.A.², Baryakhtar V.G.¹
¹ *Institute of Magnetism MES and NAS of Ukraine, Kiev, Ukraine*
² *Institute for Scintillation Materials NAS of Ukraine, Kharkov, Ukraine*
- DP-9P/31 Electronic structure and spectroscopic properties of self-activated molybdate crystals**
Hizhnyi Y.¹, Boyko R.², Chorniy V.¹, Nagorniy P.¹, Nedilko S.¹, Nikolaenko T.¹
¹ *Kyiv National Taras Shevchenko University, Kyiv Ukraine*
² *National Agriculture University, Kyiv, Ukraine*

- DP-9P/32 Luminescent properties of coordination compounds containing europium ions**
Amirkhanov V., Sliva T., Znovjyak K., Nedyelko I., Nedilko S., Polyakov O., Scherbatskii V., Stashenko S.
Kyiv National Taras Shevchenko University, Kyiv, Ukraine
- DP-9P/33 Synthesis and luminescent properties of coordination compounds based on carbacylamidophosphates**
Amirkhanov V.M., Sliva T.Yu., Znovjyak K.O., Nedilko S.G., Stashenko S.I., Sakun V.P.
Kyiv National Taras Shevchenko University, Kyiv, Ukraine
- DP-9P/34 Variation of the scintillation and optical parameters of zinc selenide crystals at the different thermal treatment**
Gakin S.N., Rybalka I.A., Voronkin Ye.F., Lalayants A.I., Ryzhikov V.D., Grinyov B.V.
Institute for Scintillation Materials NASU, STC «Institute for Single Crystals», Kharkov, Ukraine
- DP-9P/35 Application of photoelectrical registration of atomic spectrums for function materials analysis**
Andryushchenko A.Yu., Blank A.B., Glushkova L.V., Shtitel'man Z.V., Shevtsov N.I., Egorov A.D.¹, Egorov S.A.¹, Zdor E.V.¹
STC "Institute for Single Crystals" NASU, Kharkov, Ukraine
¹ *Institute of radioelectronics NASU*
- DP-9P/36 Differential thermal analysis method using for investigation of crystallization zones**
Yagupov S.V., Strugatsky M.B., Postivey N.S., Kostulin S.S.
Vernadsky Taurida National University, Simferopol, Ukraine
- DP-9P/37 Influence of CsI(Tl) crystal annealing and machining method on afterglow and relative brightness of X-ray- γ -optical transformers based on these crystals**
Bobovnikov Al.An., Boyarintsev A.Yu., Vidayj Yu.T., Tarasov V.A.
Institute for Scintillation Materials, STC "Institute for Single Crystals" of NASU, Kharkov, Ukraine

9.00-14.00**Poster Session DQ.****Section 2. Soft and Hard Magnetic Materials****Chairmen: Nadutov V.M., Ravlik A.G.**

- DQ-2P/1 Nature of internal friction in Invar Fe–Ni–C alloys**
Nadutov V.M., Golub T. V., Hymenyuk O.V.
G.V. Kurdyumov Institute for Metal Physics of the NASU, Kiev, Ukraine
- DQ-2P/2 Magnetic properties of Invar Fe-Ni-C-based alloys**
Nadutov V.M., Kosintsev S.G., Svystunov Ye.O., Efimova T.V., Tatarenko A.A.
G.V. Kurdyumov Institute for Metal Physics of the NASU, Kiev, Ukraine

- DQ-2P/3 Magnetic strengthening of Invar Fe-Ni and Fe-Ni-C alloys**
Nadutov V.M., Bazelyuk G.Ya., Semenov D.V., Svystunov Ye.O.
G.V. Kurdyumov Institute for Metal Physics of the NASU, Kiev, Ukraine
- DQ-2P/4 Mössbauer and X-ray studies of fcc Fe-Ni-based PVD coatings**
Nadutov V.M., Panarin V.Ye., Svystunov Ye.O., Kosintsev S.G., Kramar O.
G.V. Kurdyumov Institute for Metal Physics of the NASU, Kiev, Ukraine
- DQ-2P/5 Effect of alloying elements on temperature dependence of internal friction in Invar Fe-Ni-C alloys**
Nadutov V.M., Golub T. V., Hymenyuk O.V.
G.V. Kurdyumov Institute for Metal Physics of the NASU, Kiev, Ukraine
- DQ-2P/6 Investigation of the conditions of sintering highenergy constant magnet on base of the system Fe-Nd-C made by method TLS and under high pressure**
Gulyaeva T.V., Brekharya G.P.¹
Zaporozhye National University, Zaporozhye, Ukraine,
¹*Dneprodzerzhinsk State Technical University, Dneprodzerzhinsk, Ukraine*
- DQ-2P/7 Effect of field-annealing on magnetic losses in single crystals Fe-6 at.% Si in rotating magnetic fields**
Tiunov V.F., Lukshina V.A.
Institute of Metal Physics, Ural Division of RAS, Yekaterinburg, Russia
- DQ-2P/8 DC Field-Annealing Influence on the Local Atomic and Magnetic Structure of Fe_{0.95}Si_{0.05} Alloy**
Ershov N.V.¹, Lukshina V.A.¹, Serikov V.V.¹, Kleinerman N.M.¹, Chernenkov Yu.P.², Fedorov V.I.²
¹*Institute of Metal Physics, Ural Division of RAS, Yekaterinburg, Russia*
²*Petersburg Institute of Nuclear Physics, RAS, Gatchina, Russia*
- DQ-2P/9 Reflection electron energy loss spectra and inelastic electron scattering cross sections for Fe_xSi_{1-x}**
Parshin A.S., Alexandrova G.A., Dolbak A.E.¹, Pchelyakov O.P.¹, Olshanetsky B.Z.¹, Ovchinnikov S.G.², Kushenkov S.A.
Siberian State Aerospace University, Krasnoyarsk, Russia
¹*Institute of Semiconductor Physics SB RAS, Novosibirsk, Russia*
²*Kirensky Institute of Physics, SB RAS, Krasnoyarsk, Russia*
- DQ-2P/10 Magnetic properties and nonmagnetic phase formation in (Fe/Si)_n multilayers**
Varnakov S.N.^{1,2}, Komogortsev S.V.¹, Ovchinnikov S.G.¹, Bartolomé J.³, Sesé J.⁴
¹*Kirensky Institute of Physics, Siberian Branch of RAS, Krasnoyarsk, Russia*
²*Reshetnev Siberian Aerospace University, Krasnoyarsk, Russia*
³*Instituto de Ciencia de Materiales de Aragón, CSIC-Universidad de Zaragoza, Spain*
⁴*Instituto Universitario de Investigación en Nanociencia de Aragón, Universidad de Zaragoza, Spain*

- DQ-2P/11 Investigation of critical properties of model iron-vanadium superlattice by the Monte Carlo method**
Khizriev K.Sh., Murtazaev A.K.
Institute of Physics Daghestan Scientific Center of Russian Academy of Sciences, Makhachkala, Russia
- DQ-2P/12 The investigations of process of the phase stratification in the amorphous alloys of Fe-Zr system**
Lysov V.I., Tsaregradskaya T.L., Turkov O.V., Saenko G.V., Yarysh V.V.
Kyiv Taras Shevchenko National University
- DQ-2P/13 Magnetotransport properties of the ordered $\text{Fe}_{100-x}\text{Al}_x$ ($25 < x < 35$ at. %) Prudnikov V.N., Perov N.S., Yelsukova A.E., Granovsky A.B., Yelsukov E.P.¹, Voronina E.V.¹**
M.V. Lomonosov Moscow state university, Moscow, Russia
¹*Physical-technical institute UrB RAS, Izhevsk, Russia*
- DQ-2P/14 The magnetic properties of $(\text{Mn}_{1-x}\text{Fe}_x)_{1.68}\text{Sn}$ solid solutions**
Makovetskii G.I., Dorofeichyk S.S., Demidenko O.F.
SSI "Joint Institute of Solid State Physics and Semiconductors" of NASB, Minsk, Belarus
- DQ-2P/15 Permanent magnetic FePt thin films with in-plane magnetization for recording heads for high coercivity media**
Glebov V.A.¹, Il'yashenko E.I.¹, Naumov V.V.², Glebov A.V.¹, Popova O.I.¹, Ramstad A.³
¹*Moscow State University, Moscow, Russia*
²*Institute of Microelectronics and Informatics of Russian Academy of Sciences (RAS), Yaroslavl, Russia*
³*Tandberg Storage ASA, Kjelsasveien, Kjelsas, Norway*

15.00-19.00 Oral Session DC.

Section 10. Nanophysics & Nanotechnologies for Functional Materials

Chairmen: Varyukhin V.N., Fraerman A.A.

- DC-10L/1 Bulk nanomaterials: physical and mechanical properties (invited)**
Varyukhin V.N.
Donetsk Institute of Physics and Engineering NASU, Donetsk, Ukraine
- DC-10L/2 Self-organization of semiconductor nanostructures, obtained by molecular beam epitaxy: optical and AFM-investigation (invited)**
Valakh M.Ya.
V. Lashkaryov Institute of Semiconductor Physics, NASU, Kiev
- DC-10L/3 Spatial Self-Organization Effects in Solids under Influence of Electrochemical Reactions, Electric and Magnetic Fields (invited)**
Gorobets O.Yu.
Institute for Magnetism NASU, Kyiv, Ukraine

- DC-100/1 Non coplanar magnetic nanostructures: fabrication and transport properties**
 Fraerman A.A.
Institute for Physics of Microstructures RAS, Nizhny Novgorod, Russia
- DC-100/2 Control of the magnetic state in ferromagnetic nanoparticles by inhomogeneous magnetic field of MFM probe**
 Mironov V.L., Gribkov B.A., Fraerman A.A., Ermolaeva O.L.
Institute for Physics of Microstructures RAS, Nizhny Novgorod, Russia
- DC-100/3 Statistics of vortical magnetization states in ferromagnetic nanoparticles**
 Gusev S.A., Fraerman A.A., Gribkov B.A., Mironov V.L., Vdovichev S.N.
Institute for Physics of Microstructures RAS, Nizhny Novgorod, Russia
- DC-100/4 Ultrafast control of a vortex core dynamics in magnetic nanodisks**
 Kravchuk V.P.¹, Sheka D.D.¹, Gaididei Y.², Mertens F.G.³
¹*National Taras Shevchenko University of Kiev, Kiev, Ukraine*
²*Institute for Theoretical Physics, Kiev, Ukraine*
³*Physikalisches Institut, Universität Bayreuth, Bayreuth, Germany*
- DC-100/5 Fabrication and investigation of the peculiarities of physical properties of nanomaterials based on oxides of 3d metals**
 Gizhevskii B.A.¹, Petrova S.A.², Zakharov R.G.², Arbuzova T.I.¹, Pilyugin V.P.¹, Krynetskii I.B.³, Filinkova T.I.², Fishman A.Ya.²
¹*Institute of Metal Physics, Ural Division of RAS, Ekaterinburg, Russia*
²*Institute of Metallurgy, Ural Division of RAS, Ekaterinburg, Russia*
³*Moscow State University, Moscow, Russia*
- DC-100/6 Interparticle magnetic interaction and the effects of small particles**
 Ol'khovik L.P., Sizova Z.I., Shurinova E.V.
Karazin Kharkov National University, Kharkov, Ukraine
- DC-100/7 Ultra-high permeability of the metal nanoislands systems in an electric field**
 Boltaev A.P., Pudonin F.A.
P.N.Lebedev Physical Institute of the RAS, Moscow, Russia
- DC-100/8 Synthesizing, structure and decay of nanocrystalline and amorphous states in Au and Au–O films**
 Bagmut A.G.
National Technical University “KhPI”, Kharkiv, Ukraine
- DC-100/9 Metal–carbon magnetic nanocomposites**
 Bagdasarova K.A.¹, Zemtsov L.M.¹, Karpacheva G.P.¹, Perov N.S.², Maksimochkina A.V.², Dzidziguri E.L.³, Sidorova E.N.³
¹*A.V. Topchiev Institute of Petrochemical Synthesis RAS, Moscow, Russia*
²*Faculty of Physics, M.V. Lomonosov Moscow State University, Moscow, Russia*
³*Moscow State Institute of steel and alloys, Moscow, Russia*

DC-100/10 New nanomaterials based on CdMnS

Bondarev A.A.¹, Ivanchenko I.V.¹, Popenko N.A.¹, Savchuk A.I.², Fediv V.I.²

¹*Usikov Institute for Radiophysics and Electronics, NASU, Kharkiv, Ukraine*

²*Chernivtsi National University, Chernivtsi, Ukraine*

DC-100/11 Nanotechnologic Composites Based on the Synthetic and Biological Compounds with Direct Excitons Conductivity for Functional Materials

Yashchuk V.M., Kudrya V.Yu., Savchenko I.O., Fedorovich R.D., Dubey I.Ya., Suga H., Dyoshin I.I.

Physics and Chemistry Faculties of Kyiv National Taras Shevchenko

University, Kyiv, Ukraine

DC-100/12 Nontrivial collective electrorotations in dielectric suspensions

Vorohobov V., Cebers A.

Institute of Physics, Salaspils, Latvia

15.00-19.00**Poster Session DR.****Section 2. Soft and Hard Magnetic Materials**

Chairmen: Buchelnikov V.D., Gomonay H.V.

DR-2P/1 Magnetic properties of cobalt films on silicon substrates

Dzhumaliev A.S., Kozhevnikov A.V., Nikulin Yu.V., Pushkareva T.A., Filimonov Yu.A.

Institute of Radioengineering and Electronics of RAS, Saratov Branch, Saratov, Russia

DR-2P/2 Research of film NiFe/SiO₂, NiFe/DyCo structures

Poljakov V.V., Vladimirov A.G.

L.V.Kirensky Institute of physics of the Siberian Branch of the RAS, Krasnoyarsk, Russia

DR-2P/3 Mössbauer spectroscopy of Fe⁵⁷/Pt and Fe⁵⁷/Gd interfaces in multilayer thin film compositions

Pogorily A.N., Razumov O.N.¹, Bondarkova G.V., Karaseva V.Yu., Skobik A.P.¹

Institute of Magnetism, NASU, Kyiv, Ukraine

¹*Institute of Metal Physics, NASU, Kyiv, Ukraine*

DR-2P/4 Film Induction Transducers Operating in a Wide Range of Frequencies

Lubyaniy L.Z., Samofalov V.N., Ravlik A.G., Overko N.E., Chichibaba I.A.

National Technical University "Kharkiv Polytechnic Institute", Kharkiv, Ukraine

DR-2P/5 The researches of phase formation in amorphous metallic systems

Lysov V.I., Tsaregradskaya T.L., Turkov O.V., Saenko G.V.

Kyiv Taras Shevchenko National University

- DR-2P/6 Amorphous and Nanocrystalline Soft Magnetic Materials with Improved Magnetic Properties**
Shulika V.V., Potapov A.P.
Institute of Metal Physics, Ural Division, RAS, Yekaterinburg, Russia
- DR-2P/7 Coherent Fourier-analysis using for investigation of structural features of the amorphous and nanocrystalline ferromagnetic films**
Kunitskaya L., ¹Nechitaylo Ya., ¹Dementjev V., ¹Barabash M.
Institute of Surface Chemistry NASU, Kiev, Ukraine
¹*Technical Center, NASU, Kiev, Ukraine*
- DR-2P/8 Optical properties of amorphous metallic ribbon surfaces modified by annealing**
Poperenko L.V., Vinnichenko K.L.
Taras Shevchenko Kyiv National University, Kyiv, Ukraine
- Ferrites**
- DR-2P/9 Generation of the solid solution Cr-C on the surface of the steel 45 stimulated by the newltrasonique nanotechnology**
Kapranova A.I.
The Moscow State Industrial University
- DR-2P/10 Nucleation phenomenon in the film with magnetic barrier**
Mamaluy Yu.A., Netsvetov V.I.¹
Donetsk national university
¹*Donetsk Institute of Physics and Engineering of the NASU*
- DR-2P/11 The role of magnetostatic pressure in stabilization of spiral domains in ferrite-garnet films**
Mamalyi Ju.A., Siryuk Ju.A.
Donetsk National University, Donetsk, Ukraine
- DR-2P/12 Fractal Domains and Crystalline Structures in Garnet Films with Misfit Dislocations**
Danishevskaya H., Vishnevskii V., Berzhansky V., Nesteruk A.
V.I.Vernadsky Taurida National University, Simferopol, Ukraine
- DR-2P/13 Susceptibility, domen strucure and FMR in ferrite-garnet films with “angular phase” anisotropy**
Berzhansky V.N., Prokopov A.R., Semuk E.Yu.
V.I. Verandskiy Taurida national university, Simferopol, Ukraine
- DR-2P/14 Bloch domain walls structure in (nml)-plate of cubic crystal with negative magnetic anisotropy**
Tanygin B.M., Tychko O.V.
Taras Shevchenko Kiev National University, Kyiv, Ukraine
- DR-2P/15 Optimization of the numerical simulation of the domain walls structure in magnetically ordered media**
Tanygin B.M., Tychko O.V.
Taras Shevchenko Kiev National University, Kyiv, Ukraine

- DR-2P/16 The influence of a sample demagnetization field on Bloch domain wall structure in a cubic (001)-crystal**
Dyachenko S.A., Kovalenko V.F., Tanygin B.M., Tychko O.V.
Taras Shevchenko National University of Kyiv, Kyiv, Ukraine
- DR-2P/17 Modification of magnetic domain structure by superconductor proximity in superconductor/ferromagnetic heterostructures**
Uspenskaya L., Egorov S.
Institute of Solid State Physics RAS, Chernogolovka, Russia
- DR-2P/18 Hysteresis anomalies and magnetization kinetics of Pt thin film in FM/AFM heterostructure**
Uspenskaya L., Bulatov N.¹
Institute of Solid State Physics RAS, Chernogolovka, Russia
¹ *Astrakhan State University, Astrakhan, Russia*
- DR-2P/19 Magnetic properties of Co³⁺-substituted epitaxial yttrium garnet films**
Syvorotka I.I., Syvorotka I.M., Ubizskii S.B.¹
R&D Institute of Materials SRC "Carat", Lviv, Ukraine
¹ *Lviv Polytechnic National University, Lviv, Ukraine*
- DR-2P/20 Dynamic behavior and collapse of superstructures in the region near the phase transition**
Zavorotnev Yu.D., Medvedyeva L.I.
Donetsk Physico - Technical Institute, NASU, Donetsk, Ukraine
- DR-2P/21 Influence of frustrations on the processes of macroscopic anisotropy formation in diluted ferrimagnetic oxides with the magnetoplumbite structure**
Efimova N.N., Tkachenko M.V., Zhenzhera A.V., Tsurikova Yu.A.
Karazin Kharkov National University
- DR-2P/22 Choice of additions to functional materials with spinel structure based upon sets of metal oxides activity**
Zinovik E.V., Zinovik M.A.
Kirovograd National Technical University, Kirovograd, Ukraine
- DR-2P/23 Synthesis and structural properties solid solutions of spinel in system Mn-Co-Fe-O**
Zinovik E.V., Prisedskij V.V., Maksimova E.M.¹, Zinovik M.A., Nauhatskij I.A.¹, Strugatskij M.B.¹
The Kirovograd national technical university, Kirovograd, Ukraine
¹ *Taurida National University, Simferopol, Ukraine*
- DR-2P/24 Solid solutions with structure spinel in system Ni-Mn-Fe-O**
Zinovik E.V., Prisedskij V.V., Maksimova E.M.¹, Zinovik M.A., Nauhatskij I.A.¹, Strugatskij M.B.¹
The Kirovograd national technical university, Kirovograd, Ukraine
¹ *Taurida National University, Simferopol, Ukraine*
- DR-2P/25 Composite materials for the magnetic - abrasive finishing treatment**
Polishuk V.S.
STC "Reaktivelektron", NASU, Donetsk, Ukraine

- DR-2P/26 A new composite material for current collector of electrorolling stocks**
Polischuk V.S., Bukovsky V.A., Dotsenko K.I., Alyochov Yu.A.
STC "Reaktivelektron", NASU, Donetsk, Ukraine
- DR-2P/27 A new color magnetic latent print powders**
Alyochov Y.A.
STC "Reaktivelektron", NASU, Donetsk, Ukraine
- DR-2P/28 Influence of the energy of electrons during their scattering by a film with stripe domain structure on the channeling critical angle.**
Melnichuk I.A., Vasko E.I.
PMP & HTSC division, Donetsk National University
- DR-2P/29 Structure transformation in Gd₂Fe₁₇ thin films**
Prysyazhnyuk V., Venhlyovska S.
Ivan Franko Lviv National University, Physical Faculty, Lviv, Ukraine

15.00-19.00**Poster Session DS.****Section 4. Electrooptic and Magneto optic materials****Chairmen: Edelman I.S., Belyaeva A.I.**

- DS-4P/1 Optical Properties of Magnetic Media with Spin-Toroidal Ordering**
Kalish A.N.^{1,2}, Belotelov V.I.^{1,2}, Zvezdin A.K.²
¹*Faculty of Physics, M.V. Lomonosov Moscow State University, Moscow, Russia*
²*General Physics Institute of the Russian Academy of Sciences, Moscow, Russia*
- DS-4P/2 Trapping atoms and all-optical switching using ferrite garnet thin films**
Korppi M., Shevchenko A., Lindfors K., Heiliö M., Lindvall T., Kaivola M., Il'yashenko E.¹, Johansen T.H.¹
Center for New Materials, Helsinki University of Technology, Finland
¹*Department of Physics, University of Oslo, Oslo, Norway*
- DS-4P/3 High Coercive Garnet Films for Atomic Chips Technique and Contact Printing Imaging**
Berzhansky V., Vishnevskii V., Nedviga A., Nesteruk A., Khrenov A.
V.Vernadsky Taurida National University, Simferopol, Ukraine
- DS-4P/4 Chromatic Effects of Magneto-optic Imaging with Use of "Light Plane" Anisotropy Garnet Films**
Vishnevskii V., Vinogradov A., Shumilov A.
V.Vernadsky Taurida National University, Simferopol, Ukraine
- DS-4P/5 Equatorial Kerr effect in TbCo₂/FeCo nanostructure**
Klimov A.^{1,2}, Pernod Ph.², Preobrazhensky V.^{2,3}, Tiercelin N.²
LEMAR - Laboratoire Européen en Magnéto-Acoustique non linéaire de la matière condensée
¹*MIREA, Moscow, Russia*
²*IEMN-DOAE – UMR CNRS 8520 Cité scientifique, Villeneuve d'Ascq, France*
³*Wave Research Center of General Physics Institute RAS, Moscow, Russia*

- DS-4P/6 Magneto-optics of Fe/Cr nanostructures with ultrathin iron layers**
Lobov I.D., Kirillova M.M., Romashev L.N., Ustinov V.V.,
Maevskii V.M., Milyaev M.A.
Institute of Metal Physics, Ural Division of RAS, Ekaterinburg, Russia
- DS-4P/7 Magnetic and magneto-optic properties of Bi-layer Ni-Ge films**
Patrin G.S., Edelman I.S., Velikanov D.A., Chernichenko A.V.,
Turpanov I.A., Bondarenko G.V.
L.V. Kirensky Institute of Physics SB RAS, Krasnoyarsk, Russia
- DS-4P/8 Polarized spectroscopy of Tm³⁺ ions in TmAl₃(BO₃)₄ single crystal.**
Sokolov A.E., Malakhovskii A.V., Edelman I.S., Temerov V.L.,
Sukhachov A.L., Seredkin V.A.
L.V. Kirensky Institute of Physics Siberian Branch RAS
- DS-4P/9 Magnetization reversal in a square patterned ferro/antiferromagnet structure**
Kabanov Yu.P., Nikitenko V.I., Tikhomirov O.A., Egelhoff W.F.¹,
Shapiro A.J.¹, Shull R.D.¹
Institute of Solid State Physics, Chernogolovka, Russia
¹ *National Institute of Standards, Gaithersburg, MD, USA*
- DS-4P/10 Magnetic anisotropy photoinduced changes at an arbitrary direction of the polarized optical irradiation propagation in cubic crystals**
Mozhyrovskiy M.V., Tychko O.V.
Taras Shevchenko Kiev National University, Kyiv, Ukraine
- DS-4P/11 All-optical switching in photorefractive crystals**
Kabakova I.V., Sukhorukov A.P., Tolstik A.L.¹
Lomonosov Moscow State University, Moscow, Russia
¹ *Belarusian State University, Minsk, Belarus*
- DS-4P/12 Modified fluoride glasses**
Brekhovskikh M.N., ¹Dmitruk L.N., ¹Moiseeva L.V., ¹Petrova O.B.,
Fedorov V.A.
N.S.Kurnakov Institute of General and Inorganic Chemistry RAS
¹ *A.M.Prokhorov Institute of General Physics RAS*
- DS-4P/13 New nonlinear optical glass-ceramics**
Yavetskiy R.P., Korshikova T.I., Tolmachev A.V., Parkhomenko S.V.,
Tkachenko V.F.
Institute for Single Crystals NASU, Kharkov, Ukraine
- DS-4P/14 Third-order optical nonlinearities of Co nanoparticles in silicate glass**
Ryasnyanskiy A.I.^{1,2}, Palpant B.¹, Khaibullin R.I.³, Stepanov A.L.^{3,4}
¹ *Université Pierre et Marie Curie - Paris 6, Université Denis Diderot-Paris 7, CNRS, Paris, France*
² *Samarkand State University, Samarkand, Uzbekistan*
³ *Kazan Physics-Technical Institute, RAS, Kazan, Russia*
⁴ *Lazer Zentrum Hannover, Hanover, Germany*

- DS-4P/15 The valence band in the case of the magnetic thin films of RNi_5 ($R=Ce, Y, La$) compounds**
Todoran R., Todoran D.
North University of Baia Mare, Baia Mare, Romania
- DS-4P/16 Forming method and proportions of new electro-optics material DAST nanocrystals in UV-cured matrix**
Burunkova J.E., Fokina M.I.¹, Arefeva N.N., Denisuk I.Y.
Saint-Petersburg State University of Information Technologies, Mechanics and Optics, Saint-Petersburg, Russia
- DS-4P/17 1,2,4-benzothiadiazine derivatives - new optical active materials: synthesis, structure and properties**
Briukhovetska N.V., Buth S.A.
Institute of Organic Chemistry NASU, Kiev, Ukraine
- DS-4P/18 Dielectric film as optical logic gate**
Dzedolik I.V.
V.I. Vernadsky Taurida National University, Simferopol, Ukraine
- DS-4P/19 Low-threshold lasing for edge mode in chiral liquid crystals**
Belyakov V.A., Semenov S.V.¹
L.D.Landau Institute for Theoretical Physics, Moscow, Russia
¹*Russian Research Center "Kurchatov Institute", Moscow, Russia*
- DS-4P/20 Absorption edge of $As_{40}S_{60-x}Se_x$ glasses**
Guranich O.G., Rubish V.M., Gera E.V., Guranich P.P.¹, Shtets P.P., Gasinets S.M., Mykulanynets–Meshko O.S., Horvat Yu.A.
Uzhgorod Scientific-Technological Center of the Institute for Information Recording NASU, Uzhgorod, Ukraine
¹*Uzhgorod National University, Uzhgorod, Ukraine*
- DS-4P/21 The research of internal tension in ferromagnetic materials by method of magneto-optical visualization of magnetograms**
Agalidy U.S., Levyi S.V., Machnyev A.M.
National Technical University «The Kiev Polytechnic Institute», Kiev, Ukraine
- DS-4P/22 Asymmetrical behavior of cores at optical spliter making**
Basiladze G.D., Berzhansky V.N., Dolgov A.I.
V.Vernadsky Taurida National University, Simferopol, Ukraine
- DS-4P/23 Correlation of structure and optical properties of the carbon nitride films**
Prudnikov A.M., Shalaev R.V., Varyukhin V.N., Ulyanov A.N., Linnik A.I.
Donetsk Phys. & Tech. Institute NASc Ukraine, Donetsk, Ukraine
- DS-4P/24 Magnetorefective polarization properties of granular films possessing the tunneling magnetoresistance effect**
Kravets V.G., Poperenko L.V.¹
Institute for Information Recording NAS of Ukraine, Kiev, Ukraine
¹*Department of Physics, Taras Shevchenko Kyiv University, Glushkov, Kyiv, Ukraine*

- DS-4P/25 Technology and optical properties of PbTe, PbSe, PbS/ p-Si(100) films**
 Levytskyi S.M., Vlasenko A.I., Gentsar P.A., Krysov Ts.A.¹
V.E.Lashkarev Institute of Semiconductor Physics, NASU, Kiev, Ukraine
¹*Kamyanets-Podolsky State University, Physical Depart., Kamyanets-Podolsk, Ukraine*
- DS-4P/26 Tailoring FeBO₃ Properties via Nanoengineering**
 Yin S., Yang C.-E., Chen Q., Shang S., Liu Z.-K.
Department of Electrical Engineering
The Pennsylvania State University
Department of Materials Science and Engineering
- DS-4P/27 Nanocomposite solar cells, based on CdS/Cu₂S heterostructures**
 Godovsky D.¹, Schilinsky P.², Caseri W.³, Vasileska D.⁴
¹*LG Technology Centre, Moscow, Russia*
²*Konarka Co, Austrian Branch, Linz, Austria*
³*ETH Zurich, Switzerland*
⁴*Arizona State University, Arizona, US*

Friday, October 5

9.00-11.30

Oral Session EC.

Section 2. Soft and Hard Magnetic Materials

Chairmen: Gonzalez J., Zhukov A.

- EC-2L/1 Magnetic properties and GMI effect in ultra-thin magnetically soft amorphous microwires (invited)**
 Zhukova V., Ipatov M.¹, Gonzalez J., Blanco J.M., Zhukov A.^{1,2}
Dpto. de Física Aplicada, EUPDS, UPV/EHU, San Sebastián, Spain
¹*Dpto. Física de Materiales, Fac. Químicas, UPV/EHU, San Sebastian, Spain*
²*TAMAG Ibérica S.L., Parque Tecnológico de Miramón, San Sebastián, Spain*
- EC-2L/2 Soft Magnetic Character of Nanocrystalline Fe_{73.5-x}Ni_xSi_{13.5}B₉Nb₃Cu₁ alloy ribbons (x =5, 10 and 20) (invited)**
 Iturriza N.^{1,2}, Murillo N.², del Val J.J.^{1,3}, Vara G.⁴, Pierna A.R.⁴, Zhukov A.¹, González J.¹
¹*Department Materials Physics, Faculty of Chemistry, UPV/EHU, San Sebastián, Spain*
²*New Materials Department, CIDETEC, San Sebastián. Spain*
³*Unidad de Física de Materiales, Centro Mixto CSIC-UPV/EHU, San Sebastián, Spain*
⁴*Escuela Universitaria Politécnica, San Sebastián, Spain*
- EC-2L/3 Short - range order in amorphous Fe- B alloys: ¹¹B and ⁵⁷Fe NMR study (invited)**
 Pokatilov V.S., Pokatilov V.V.
Moscow State Institute of Radioengineering, Electronics and Automation, Moscow, Russia

Metals & Alloys

- EC-20/1** **Hyperfine structure of Fe powder processed by power ultrasonics**
Nadutov V.M., Perekos A.O., Mordyuk B.N., Svystunov Ye.O., Rud' O.D.
G.V. Kurdyumov Institute for Metal Physics of the NASU, Kiev, Ukraine
- EC-20/2** **Effects of insulation agent on the core loss of Fe-Si-Al powder compressed cores**
Jang P., Lee B.
Division of applied science, Cheongju University, Cheongju, Korea
- EC-20/3** **Morphology and magnetic properties of ultrathin iron films grown on Si(111) and SiO₂/Si(100) substrates**
Nikulin Yu.V., Dzhumaliev A.S., Filimonov Yu.A., Vysotsky S.L., Kozhevnikov A.V.
Saratov Branch of Institute of Radio Engineering and Electronics of RAS, Saratov, Russia
- EC-20/4** **New Performance of High Anisotropic Permanent Magnet Systems: Increase of Region of Localization of Strong Stray-Fields**
Belozorov D.P.¹, Ravlik A.G., Samofalov V.N.
National Technical University "Kharkiv Polytechnic Institute", Kharkiv, Ukraine
¹*Nat. Scient. Centre "Kharkiv Institute of Physics and Technology" NASU, Kharkiv, Ukraine*

11.30-14.00**Oral Session EB.****Section 7. Metamaterials. Photonic, magnonic & phononic crystals****Chairmen: Veselago V.G., Shabat M.M.**

- EB-7L/1** **Metamaterials as a source of some problems in teaching of electrodynamics** (invited)
Veselago V.G.
Moscow Institute of Physics and Technology A.M. Prokhorov Institute of General Physics RAS
- EB-7L/2** **New metamaterials for plasmonics and magnetophotonics** (invited)
Belotelov V.I.^{1,2}, Doskolovich L.L.³, Zvezdin A.K.¹
¹*A.M. Prokhorov General Physics Institute RAS, Moscow, Russia*
²*M.V. Lomonosov Moscow State Univ., Moscow, Russia*
³*Image Processing Systems Institute RAS, Samara, Russia*
- EB-7L/3** **Metaoptics. Subwave imaging by metamaterials.** (invited)
Vinogradov A.P., Dorofeenko A.V., Merzlikin A.M.
Institute for Theoretical and Applied Electromagnetism, Russian Academy of Sciences, Moscow, RF

- EB-7L/4 Metamaterials with tunable negative refractive index fabricated from amorphous ferromagnetic microwires and optical Magnus effect (invited)**
 Ivanov A.V.¹, Shalygin A.N.², Galkin V.Yu.², Vedyayev A.V.¹,
 Ivanov V.A.^{2,3}
¹*M. V. Lomonosov Moscow State University, Moscow, Russia*
²*R&P Vichel (high-frequency systems), Moscow, Russia*
³*N. S. Kurnakov Institute of General and Inorganic Chemistry of the RAS, Moscow, Russia*
- EB-7O/1 Optical bistability in one-dimensional magnetic photonic crystal with defect layers**
¹Lyubchanskii I.L., ¹Dadoenkova N.N., ¹Zabolotin A.E., ²Lee Y.P.,
³Rasing Th.
¹*Donetsk Physical & Technical Institute NASU, Donetsk, Ukraine*
²*q-Psi and Department of Physics, Hanyang University, Sungdong-Ku, Seoul, Korea*
³*Institute for Molecules and Materials, Radboud University Nijmegen, Nijmegen, the Netherlands*
- EB-7O/2 Switchable nonlinear metallo-ferroelectric photonic crystals**
 Mishina E.¹, Zaitsev A.¹, Sherstyuk N.¹, Sigov A.¹, Muhortov V.²,
 Rasing Th.³
¹*Moscow State Institute of Radioengineering, Electronics and Automation, Moscow, Russia*
²*South Center RAS, Rostov-on-Don, Russia*
³*Institute for Molecules and Materials, Radboud University Nijmegen, Nijmegen, The Netherlands*
- EB-7O/3 Nonlinear planar waveguide sensors using metamaterials**
 Shabat M.M.^{1,2}, Taya S.²
¹*Max-Planck-Institut für Physik komplexer Systeme Nöthnitzer Str. 3801187 Dresden, Germany*
²*Physics Department, Islamic University, Gaza, Gaza Strip, Palestinian Authority*
²*Physics Department, Al Aqsa University, Gaza, Gaza Strip, Palestinian Authority*
- EB-7O/4 Microwave metamaterials with resonant elements**
 Maly S.V.
Belarusian State University, Minsk, Belarus

9.00-14.00**Poster Session EP.****Section 5. Piezoelectric and Magnetolectric Materials****Chairmen: Fetisov Y.K., Bichurin M.I.**

- EP-5P/1 Modeling the Magnetolectric Interaction in Ferrite-Piezoelectric Structures**
 Bichurin M.I., Petrov V.M., Srinivasan G.¹
Novgorod State University, Veliky Novgorod Russia
¹*Oakland University, Rochester MI, USA*

- EP-5P/2 Mutual control of electric and magnetic order parameters in BiFeO₃ thin films**
 Zvezdin A.K.¹, Shust V.A.², Pyatakov A.P.^{1,2}
¹*Institute of General Physics RAS, Moscow, Russia*
²*Physics department, M.V. Lomonosov, Moscow State University, Moscow, Russia*
- EP-5P/3 Low-frequency magnetoelectric effect in double layer metal-piezoelectric disks**
 Chashin D.V., Fetisov Y.K.
Moscow State Institute of Radio Engineering, Electronics and Automation, Moscow, Russia
- EP-5P/4 Frequency dependences of electrical and magnetoelectrical parameters of multilayer ferrite-piezoelectric structures**
 Kamentsev K., Fetisov L., Lebedev S.
Moscow State Institute of Radio Engineering, Electronics and Automation, Moscow, Russia
- EP-5P/5 Microwave Magnetoelectric Interaction in Ferrite-Piezoelectric Nanobilayers**
 Petrov V.M., Bichurin M.I., Berezin D.N., Srinivasan G.¹
Novgorod State University, Veliky Novgorod, Russia
¹*Oakland University, Rochester MI, USA*
- EP-5P/6 Dual-Tunable Planar Ferrite-Ferroelectric Hybrid Wave Phase Shifters**
 Ustinov A.B., Srinivasan G.¹, Drozdovsky A.V., Kalinikos B.A.
St. Petersburg Electrotechnical University, St. Petersburg, Russia
¹*Department of Physics, Oakland University, Rochester, Michigan*
- EP-5P/7 Antiferromagnetic resonance in hematite - piezoelectric structures**
 Meshcheryakov V.F.^{1,2}, Kamentsev K.E.¹, Fetisov Y.K.¹
¹*Moscow State Institute of Radio Engineering, Electronics and Automation, Russia*
²*Shubnikov Institute of Crystallography, Moscow, Russia*
- EP-5P/8 The magnetoelectric phenomena in the structures containing ferrimagnetic and piezoelectric components**
 Koronovskyy V.E.
Taras Shevchenko Kiev National University, Kiev, Ukraine
- EP-5P/9 Electric Field Induced Micromagnetic Structure Transformation in Ferrite Garnet Films**
 Pyatakov A.P.^{1,2}, Nikolaev A.V.¹, Meshkov G.A.¹, Logginov A.S.¹
¹*Physics department, M.V. Lomonosov, Moscow State University, Moscow, Russia*
²*Institute of General Physics RAS, Moscow, Russia*
- EP-5P/10 Acoustic losses in langatate - perspective piezoelectric material**
 Alekseev S.G., Kotelyanskii I.M., Mansfeld G.D., Polzikova N.I., Raevskii A.O., Sergeev F.O.
Institute of Radioengineering and Electronics, RAS, Moscow, Russia

- EP-5P/11 Ways of improvement of quality piezoceramic for ultrasonic radiators of the big capacity**
Saley V.S., Prilipko Yu.S.
STC "Reaktivelektron", NASU, Donetsk, Ukraine
- EP-5P/12 Enormous torsional strain of one dimensional conductors under electric field: an alternate for the piezoelectric actuators?**
Pokrovskii V.Ya., Zybtssev S.G., Gorlova I.G.
Institute of Radioengineering and Electronics of RAS, Moscow, Russia
- EP-5P/13 Barium titanate nanofilms on various substrates**
Cherkasov A.P., Dambis M.K., Dolgov A.V., Filikov V.A.,
Gordeev V.N., Maslova L.A., Vasilyeva N.D.
Moscow Power Engineering Institute, Moscow, Russia
- EP-5P/14 Investigation of the Anomalous Temperature and Electric Field Dependence of Birefringence in PZNT Single Crystals**
Merkulov V.S., Bychkov G.L.
Joint Institute of Solid State and Semiconductor Physics of NASB, Minsk, Belarus
- EP-5P/15 The influence of electric polarization on the vector of modulation of antiferromagnetic structure in $TbMnO_3$**
Chupis I.E.¹, Ushakova I.V.²
¹*ILTPE-B. Verkin Institute for Low Temperature Physics and Engineering, NASU*
²*V. Karazin Kharkov National University*
- EP-5P/16 Possible display of electromagnons in antiferromagnetic modulated states of $TbMnO_3$**
Chupis I.E.
B. Verkin Institute for Low Temperature Physics and Engineering, NASU, Kharkov, Ukraine
- EP-5P/17 Spectral Studies of Band Gap of Strontium Titanate Single Crystal**
Popović D., Maletić S., Dojčilović J.
University of Belgrade, Belgrade, Serbia
- EP-5P/18 High-sensitive piezoceramic elements for medical apparatuses of ultrasonic investigation**
Spiridonov N.A., Gusakova L.G., ¹Ischuk V.M., Pogibko V.M.
Scientific and technological Centre "Reactivelectron" NASU, Donetsk
¹*Institute for Single Crystals, NASU, Kharkov, Ukraine*
- EP-5P/19 Management piezoelectric parameters in phase transition through the transient state**
Spiridonov N.A., Ischuk V.M.¹
STC "Reactivelectron", NASU, Donetsk, Ukraine
¹*Institute for Single Crystals, NASU, Kharkov, Ukraine*
- EP-5P/20 Re-investigations of the temperature dependence of spontaneous polarization of $BaTiO_3$ single crystals**
Yatsenko A.A., Yevdokimov S.V., Yatsenko A.V.
Taurida National University, Simferopol, Ukraine

- EP-5P/21 Analysis of the temperature dependence of spontaneous polarization in lithium niobate crystals**
Shostak R.I., Yatsenko A.V., Yevdokimov S.V.
Taurida National University, Simferopol, Ukraine
- EP-5P/22 On the nature of the thermo-optic memory effect in LiNbO₃**
Yevdokimov S.V., Yatsenko A.V.
Taurida National University, Simferopol, Ukraine
- EP-5P/23 Peculiarities of dark conductivity of BaTiO₃ single crystals in tetragonal phase**
Yatsenko A.A., Yevdokimov S.V., Yatsenko A.V.
Taurida National University, Simferopol, Ukraine
- EP-5P/24 Simulation of the pyroelectric properties of an α -modification of lithium iodate crystals**
Yatsenko A.V., Lobzenko S.V.
Taurida National University, Simferopol, Ukraine
- EP-5P/25 Simple low-cost precision device for low temperature pyroelectric measurements**
Yatsenko A.A., Yevdokimov S.V., Yatsenko A.V., Fedorovskii A.F., Levchenko D.A.
Taurida National University, Simferopol, Ukraine
- EP-5P/26 Formation of nanosize ferroelectric inclusions in chalcogenide glass matrix**
Shpak A.P., Guranich P.P.¹, Rubish V.M.², Guranich O.G.², Stefanovich V.A.¹, Mykaylo O.A.¹, Gorina O.V.², Rigan M.Yu.²
G. Kurdyumov Institute for Metal Physics NASU, Kiev, Ukraine
¹*Uzhgorod National University, Uzhgorod, Ukraine*
²*Uzhgorod Scientific-Technological Center of the Institute for Information Recording, Uzhgorod, Ukraine*
- EP-5P/27 Pyroelectric effect in mesomorphic compound with rigid bent core**
Zharova M.A., ¹Yablonsky S.V., Bykova V.V., Usol'tseva N.V.
Ivanovo State University, Ivanovo, Russia
¹*Institute of Crystallography Academy of Science, Moscow, Russia*
- EP-5P/28 Crystal Growth of compounds A₂B⁺B³⁺F₆ and A₃B³⁺F₆ with elpasolite and cryolite structure**
Voronov V.N.
Kirensky Institute of Physics, Krasnoyarsk, Russia
- EP-5P/29 Investigation of concentration dependence of the Curie temperature for deuterated mixed KDP-type crystals**
Barabash A.I.
Kiev University of Economics and Technologies of Transport, Kiev, Ukraine

Chairmen: Ignatchenko V.A., Serga A.A.

- EQ-8P/1 Magnetostatic Waves in Magnetic Crystals**
 Annenkov A.Yu.¹, Gerus S.V.¹, Vinogradov A.P.²
¹*Institute of Radioengineering and Electronics, RAS, Fryazino, Moscow Province, Russia*
²*Institute of Theoretical and Applied Electrodynamics, RAS, Moscow, Russia*
- EQ-8P/2 Self-generation of black spin wave envelope soliton trains with high density**
 Ustinov A.B.^{1,2}, Demidov V.E.^{1,2}, Kalinikos B.A.¹, Demokritov S.O.²
¹*St. Petersburg Electrotechnical University, St. Petersburg, Russia*
²*Institute for Applied Physics, University of Muenster, Germany*
- EQ-8P/3 Electromagnetic surface waves in metal-dielectric-Ferrite- left handed Waveguide layered structure**
 El-Astal A.H.¹, Hamada M.S.¹, Shabat M.M.^{2, 3}
¹*Department of Physics, Al-Aqsa University, Gaza, Palestinian Authority*
²*Department of Physics, Islamic University of Gaza, Gaza, Palestinian Authority*
³*Present address: Max-Planck-Institut für Physik komplexer Systeme, Dresden, Germany*
- EQ-8P/4 Interaction of magnetostatic surface waves with drifting carries in a LHM-YIG-semiconductor waveguide system**
 Al-Sahhar Z.I.¹, Shabat M.M.²
¹*Physics Department, Al-Aqsa University, Gaza, Palestinian Authority*
²*Max Planck Institute for the Physics of Complex Systems, Dresden, Germany*
Islamic University, Gaza, Palestinian Authority
- EQ-8P/5 Transformation of Magnetostatic Surface Wave into Electromagnetic Wave in Ferrite-Dielectric Structure**
 Lock E., Vashkovsky A.
Institute of Radioengineering and Electronics RAS (Fryazino branch), Moscow region, Russia
- EQ-8P/6 Influence of damping parameter on reflection of bulk spin waves from a boundary of homogeneous and multilayer uniaxial dielectric ferrites**
 Gorobets Yu.I.¹, Reshetnyak S.A.², Homenko T.A.²
¹*Institute of Magnetism of NASU, Kiev, Ukraine*
²*National Technical University of Ukraine "Kyiv Polytechnic Institute", Kyiv, Ukraine*
- EQ-8P/7 Propagation of electromagnetic waves in composite medium containing magnetic and electric elements**
 Shcheglov V.I.
Institute of Radioengineering and Electronics of RAS, Moscow, Russia

- EQ-8P/8 The backward magnetostatic surface waves in composite medium ferrite - dielectric - metal stripe grating**
Shcheglov V.I., Zubkov V.I.
Institute of Radioengineering and Electronics of RAS, Moscow, Russia
- EQ-8P/9 Forward and backward electromagnetic waves in biisotropic magnetodielectric resonance medium**
Shcheglov V.I., Zubkov V.I.
Institute of Radioengineering and Electronics of RAS, Moscow, Russia
- EQ-8P/10 Propagation of magnetostatic waves in nonuniform magnetized structure ferrite - dielectric - metal grating**
Shcheglov V.I., Zubkov V.I.
Institute of Radioengineering and Electronics of RAS, Moscow, Russia
- EQ-8P/11 Collective modes and local magnon states for magnetic dot arrays with perpendicular anisotropy.**
Bondarenko P.V.¹, Galkin A.Yu.², Zaspel C.E.³, Ivanov B.A.¹
¹*Institute of Magnetism NASU, Ukraine*
²*Institute of Metal Physics NASU, Ukraine*
³*University of Montana-Western IMag; NASU, Kiev, Ukraine*
- EQ-8P/12 Relaxation peculiarities of nonlinear magnetoelastic dynamics in thin ferrite film**
Vlasov V.S.¹, Kotov L.N.¹, Asadullin F.F.¹, Sheglov V.I.², Shavrov V.G.²
¹*Syktvykar State University, Syktvykar, Russia*
²*Institute of Radioengineering and Electronics of RAS, Moscow, Russia*
- EQ-8P/13 Spatial localization of nonlinear waves in periodic structures**
Gerasimchuk I.V.¹, Kovalev A.S.²
¹*Institute for Theoretical Physics, NSC "Kharkov Institute of Physics and Technology", Kharkov, Ukraine*
²*B.Verkin Institute for Low Temperature Physics and Engineering, Kharkov, Ukraine*
- EQ-8P/14 Spin wave filters on the base of sputtered garnet films for microwave applications**
Grishin A.M.¹, Lutsev L.V.², Yakovlev S.V.², Khartsev S.I.¹
¹*Department of Condensed Matter Physics, Royal Institute of Technology, Stockholm-Kista, Sweden*
²*Research Institute "Ferrite-Domen", Saint Petersburg, Russia*
- EQ-8P/15 Reflection of the electromagnetic wave from the surface of metal-ferromagnetic structure**
Bychkov I.V., Buchelnikov V.D., Butko L.N.
Chelyabinsk state university, Chelyabinsk, Russia
- EQ-8P/16 Structure of domain walls in weak ferromagnets in microwave magnetic field**
Gerasimchuk V.S.¹, Shitov A.A.²
¹*Donetsk National Technical University, Donetsk, Ukraine*
²*Donbass National Academy of Civil Engineering, Makeevka, Ukraine*

- EQ-8P/17 Absorption and reflection of a composite with ferrite in ultrahigh frequency**
Fediy A.A., Futerman D.E., Bychkov I.V., Buchelnikov V.D.
Chelyabinsk State University, Chelyabinsk, Russia
- EQ-8P/18 Numerical simulation of mode interaction in FMR spectra of microstripe array**
Vysotsky S.L., Filimonov Yu.A., Khivuntsev Yu.V.
Saratov branch of IRE RAS, Saratov, Russia
- EQ-8P/19 Properties of hexagonal ferrites $\text{Co}_x\text{Zn}_{2-x}\text{Z}$**
Serebryannikov S.V., Smirnov D.O., Cheparin V.P., Eremtsova L.L.
MPEI (TU), Moscow, Russia
- EQ-8P/20 The analysis of electromagnetic properties of metamaterials by the minimal autonomous blocks method**
Maly S.V.
Belarusian State University, Minsk, Belarus
- EQ-8P/21 Giant magnetic impedance in the GHz frequencies range**
Berzhansky V.N., Ponomarenko V.I., Popov V.V., Vinogorodsky D.F.
Taurida National University, Simferopol, Ukraine
- EQ-8P/22 Microwave properties of Fe powders milled in various media**
Yelsukov E.P.¹, Rozanov K.N.², Lomayeva S.F.¹, Osipov A.V.²,
Petrov D.A.², Shuravin A.S.¹, Chulкина A.A.¹, Konygin G.N.¹
¹*Physical-Technical Institute UrB RAS, Izhevsk, Russia*
²*Institute for Theoretical and Applied Electromagnetics RAS, Moscow, Russia*
- EQ-8P/23 Electromagnetic shielding effectiveness of graphite-epoxy composites**
Vovchenko L., Matzui L., Oliynik V., Launetz V.
Kyiv National Shevchenko University, Kyiv, Ukraine
- EQ-8P/24 Properties and technology of broadband microwave absorbing covers on the base of hydrogenated carbon with 3d-metal nanoparticles**
Nikolaychuk G.A., Lutsev L.V., Yakovlev S.V., Petrov V.V.
Research Institute "Ferrite-Domen", Saint Petersburg, Russia
- EQ-8P/25 Micro-undulator for FEL THz source**
Seomoon K., Jang P.
Division of Applied Science, Cheongju University, Cheongju, KOREA
- EQ-8P/26 Unstructured modeling of microwave-bandwidth semiconductor laser**
Belkin M.E.
Moscow State Technical University of Radio Engineering, Electronics and Automatics, Moscow, Russia
- DA-8O/1 The spin wave damping in magnetic materials with degenerate states**
Baryakhtar V.G.^{1,2}, Danilevich A.G.¹
¹*Institute of Magnetism, Kyiv, Ukraine*
²*National Technical University of Ukraine "KPI", Kyiv, Ukraine*

15.00-17.15 Oral Session EA.
Section 4. Electrooptic and Magneto optic materials

Chairmen: Adachi N., Pavlov V.V.

- EA-4L/1 Magneto-optic observation of the spontaneous spin-reorientation phase transition in ErFeO₃ (invited)**
 Belyaeva A.I., Baranova K.V.¹
National Technical University "KPI", Kharkov, Ukraine
¹*Institute of electrophysics & radiation technologies NASU, Kharkov, Ukraine*
- EA-4L/2 Magneto-optical and magnetic properties of compounds activated by RE ions (invited)**
 Malakhovskii A.V.
L. V. Kirensky Institute of Physics SB RAS, Krasnoyarsk, Russia
- EA-4O/1 Magnetic-field-induced second harmonic generation in semiconductors GaAs and (Cd, Mn) Te**
 Pavlov V.V.¹, Pisarev R.V.¹, Kalashnikova A.M.¹, Sanger I.²,
 Yakovlev D.R.^{1,2}, Kaminski B.², Bayer M.²
¹*Ioffe Physico-Technical Institute of RAS, St. Petersburg, Russia*
²*Experimental Physics II, Dortmund University, Dortmund, Germany*
- EA-4O/2 Magnetic and Magneto optical Properties of the Magnetic Garnet Film for the High Frequency Magnetic Field Sensor**
 Adachi N., Uematsu D., Ota T., Takahashi M.¹, Kawasaki K.², Ota H.², Arai K.²
Nagoya Institute of Technology
¹*TAIYO YUDEN Co., LTD*
²*National Institute of Information and Communications Technology*
- EA-4O/3 Efficiency increasing of electro-, piezo- and acousto-optical interactions of light in anisotropic materials**
 Andrushchak A.S., ¹Mytsyk B.G., ¹Demyanyshyn N.M., Kaidan M.V.,
 Laba H.P., Ostrovskij I.P., Yurkevych O.V.
Lviv Polytechnic National University, Lviv, Ukraine
¹*Institute of Physics and Mechanics of NASU, Lviv, Ukraine*
- EA-4O/4 Photon pressure and drift of polarized electrons in multilayer magnetic nanofilms**
 Krupa M.M.
Institute of Magnetism, NASU, Ukraine

EA-40/5 Structure, Magnetism and Magnetochiral Effect in the Two Enantiomers of Optically Active 2D Molecular Magnet

Train C., Gheorghe R., Chamoreau L.-M., Ovanesyan N.S.¹, Shilov G.V.¹, Makhaev V.D.¹, Krstic V.², Rikken G.L.J.A.², Gruselle M., Verdaguer M.

Lab. Chimie Inorg. et Matér. Moléculaires, UMR CNRS 7071, Université Pierre et Marie Curie, Paris, France

¹*Institute of Problems of Chemical Physics, RAS, Chernogolov, Russia*

²*Laboratoire National des Champs Magnétiques Pulsés, Toulouse Cedex 04, France*

17.30-19.00**Oral Session ED.****Section 9. Ionizing Radiation Sensing Materials**

Chairmen: Starzhinskiy N., Nedilko S.

ED-90/1 Development of radiation detectors based on II-VI compounds

Starzhinskiy N.¹, Grinyov B.¹, Katrunov K.¹, Malyukin Yu.¹, Gal'chinskii L.¹, Gashin P.², Galan A.¹, Zenya I.¹

¹*Institute for Scintillation Materials NASU, Kharkov, Ukraine*

²*Kishinev State University, Kishinev, Moldova*

ED-90/2 Borate phosphors for thermal neutron detection

Dotsenko V.P.¹, Berezovskaya I.V.¹, Efryushina N.P.¹, Dorenbos P.², Sidorenko A.V.²

¹*Physico-Chemical Institute, Ukrainian Academy of Sciences, Odessa, Ukraine*

²*Delft University of Technology, Delft, The Netherlands*

ED-90/3 Luminescence of phosphates MAIP₂O₇ and molybdates MAI(MoO₄)₂ doped with chromium and titanium ions: perspectives of applications

Nedilko S.¹, Bojko V.², Bojko R.², Gomenyuk O.³, Hizhnyi Yu.¹, Nagorniy P.¹, Nedyelko I.¹, Scherbatskii V.¹, Sheludko V.³

¹*Kyiv National Taras Shevchenko University, Kyiv, Ukraine*

²*National Agriculture University, Kyiv, Ukraine*

³*State Pedagogical University, Hlukhiv, Ukraine*

ED-90/4 Aqueous synthesis of lanthanide-doped nanocrystals and core-shell luminescent structures

Kryzhanovskaya A.S., Babayevskaya N.V., Tolmachev A.V.
Institute for Single Crystals NASU, Kharkov, Ukraine

ED-90/5 Non-linearity of organic stilbene scintillators response on alpha-excitation

Galunov N.Z., Karavaeva N.L., Martynenko E.V.

Institute for Scintillation Materials, STC "Institute for Single Crystals" NASU, Kharkiv, Ukraine

ED-90/6 Investigation on influence of preparation conditions for structural and luminescent properties of SrTiO₃:Pr³⁺ phosphors

Marchylo O.M., Zavjalova L.V., Kominami H., Korchevoj A.A., Nakanishi Y., Svechnikov S.V.

*V.E. Lashkaryov Institute of Semiconductor Physics NASU, Kyiv, Ukraine
Research Institute of Electronics, Shizuoka University, Japan*

15.00-19.00 Poster Session CP.
Section 1. Fundamental Physics of Functional Materials

Chairmen: Runov V.V., Morosov A.I.

CP-1P/1 Influence of the indirect antiferromagnetic exchange interaction of the d-electrons on the spin-wave spectrum in a narrow-band Hubbard magnet

Myronova S.F., Zubov E.E.

Donetsk Institute for Physics and Engineering after O.O. Galkin NASU, Donetsk, Ukraine

CP-1P/2 Longitudinal solitons for spin S = 1 ferromagnet with biquadratic interaction

Khymyn R.S.¹, Ivanov B.A.^{1,2}

¹*National Taras Shevchenko Kiev University*

²*Institute of Magnetism NASU*

CP-1P/3 Phase diagram of S = 3/2 non-Heisenberg magnetic

Fridman Yu.A., Kosmachev O.A., Ivanov B.A.¹

V.I. Verandskiy Taurida National University, Simferopol, Ukraine

¹*Institute of magnetism, NASU, Kiev, Ukraine*

CP-1P/4 Phase transitions on temperature in ultrathin non-Heisenberg films

Fridman Yu.A., Matunin D.A.

V.I. Verandskiy Taurida National University, Simferopol, Ukraine

CP-1P/5 Magnon relaxation in non-Heisenberg magnet with S = 1

Butrim V.I., Boedjiev A.S., Ivanov B.A.¹

V.I. Verandskiy Taurida National University, Simferopol, Ukraine

¹*Institute of magnetism, NASU and Ministry of Education, Kiev, Ukraine*

CP-1P/6 Quantum effects in anisotropic ferrimagnetic

Fridman Yu.A., Kosmachev O.A.

V.I. Verandskiy Taurida National University, Simferopol, Ukraine

CP-1P/7 Phase transitions on concentration in ultrathin films of Fe_{1-x}Co_x

Fridman Yu.A., Klevets Ph.N.

V.I. Verandskiy Taurida National University, Simferopol, Ukraine

CP-1P/8 Magnetic field induced distortions in thin antiferromagnetic layer

Morosov A.I., Morosov I.A., Sigov A.S.

Moscow State Institute of Radioengineering, Electronics and Automation, Moscow, Russia

- CP-1P/9 Domain structure of weak ferromagnets: competition between demagnetization and destressing factors**
Korniienko Ie.¹, Gomonay H.V.^{1,2}
¹National Technical University of Ukraine "KPI", Kyiv, Ukraine
²Bogolyubov Institute for Theoretical Physics NASU, Kyiv, Ukraine
- CP-1P/10 Spin torque effects in an antiferromagnet**
Gomonay H.V.
National Technical University of Ukraine "KPI", Kyiv, Ukraine
- CP-1P/11 Dynamics of antiferromagnetic vortices with different topological charges in the yttrium orthoferrite domain wall**
Chetkin M.V., Kurbatova Yu.N., Shapaeva T.B.
Physics Department of M.V.Lomonosov Moscow State University, Moscow, Russia
- CP-1P/12 Nonlinear dynamics of the nucleus of the new phase at presence of inhomogeneity of magnetic anisotropy**
Lomakina I.Yu., Shamsutdinov M.A., ¹Nazarov V.N.
Bashkir State University, Ufa, Russia
¹Institute of Molecule and Crystal Physics, Ufa, Russia
- CP-1P/13 Surface magnetism of non-ideal Iron Borate monocrystals**
Maksimova E.M., Nauhatskij I.A., Strugatsky M.B.
Vernadsky Taurida National University, Simferopol, Ukraine
- CP-1P/14 Physics of the high-excited states in the functional materials on the basis of dyes**
Kondratenko P.A.¹, Lopatkin Yu.M.², Sakun T.N.¹
¹National aviation university, Kiev, Ukraine
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- CP-1P/15 Switching of the nanoparticle's magnetization by a rotating magnetic field**
Denisov S.I.^{1,2}, Lyutyy T.V.¹
¹Sumy State University, Sumy, Ukraine
²Institut für Physik, Universität Augsburg, Augsburg, Germany
- CP-1P/16 Thermoelectric Properties of the Layered Oxides LnBaCu(Co)FeO_{5+δ} (Ln = La, Nd, Sm, Gd)**
Klyndyuk A.I., Chizhova Ye.A.
Belarus State Technological University, Minsk, Belarus
- CP-1P/17 Some features of gyroscopic dynamics of the "thin" structure domain walls in two-sublattice magnetics**
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Bashkir State University, Ufa, Russia
- CP-1P/18 The study of the origin and evolution of the magnetic inhomogeneities of soliton, breather and pulson type in magnetics with anisotropy local inhomogeneities**
Ekomasov E.G., Azamatov Sh.A., Murtazin R.R.
Bashkir State University, Ufa, Russia

- CP-1P/19 First principle band structure of $\text{Fe}_{2-x}\text{Mn}_x\text{As}$ alloys**
 Valkov V.I., Golovchan A.V.
National Academy of Sciences, A.Galkin, Donetsk Physico-Technical Institute
- CP-1P/20 Influence of pressure and magnetic field on phase transitions in an alloy $\text{Mn}_{1.5}\text{Fe}_{0.5}\text{As}_{0.5}\text{P}_{0.5}$**
 Varyukhin D.V., Valkov V.I., Todris B.M.
National Academy of Sciences, A.Galkin, Donetsk Physico-Technical Institute
- CP-1P/21 Electronic mechanism of magnetic order-order phase transition in system $\text{Fe}\{a-x\}\text{Mn}\{x\}\text{As}$**
 Valkov V.I., Golovchan A.V.
National Academy of Sciences, A.Galkin, Donetsk Physico-Technical Institute
- CP-1P/22 Ordering kinetics in BCC alloys with the account for diffusion processes**
 Gumennyk K.V., Stefanovich L.I., ¹Feldman E.P.
Donetsk Institute of Physics and Engineering, NASU, Donetsk, Ukraine
¹*Donetsk Institute for Physics of Mining Processes, NASU, Donetsk, Ukraine*
- CP-1P/23 Processes of inhomogeneous magnetization reversal of real crystals**
 Vakhitov R.M., Yumaguzin A.R.¹
Bashkir State University, Ufa, Bashkortostan, Russia
¹*Ufa Institute of RSUTE, Ufa, Bashkortostan, Russia*
- CP-1P/24 Adsorption of real polymer chains at penetrable interfaces and hard walls**
 Gerasimchuk I.V.¹, Sommer J.-U.^{1,2}
¹*Leibniz Institute of Polymer Research Dresden, Dresden, Germany*
²*Institute for Theoretical Physics, Dresden Technical University, Dresden, Germany*
- CP-1P/25 Magnetic anisotropy in diluted ferrite $\text{NiGa}_{0.6}\text{Al}_{0.6}\text{Fe}_{0.8}\text{O}_4$ with frustrated magnetic structure**
 Antoshina L.G., Korshak A.B.
M.V.Lomonosov Moscow State University, Moscow, Russia
- CP-1P/26 Anomalous coherent state in the thin film structures**
 D'yachenko A.I., Boilo I.V.
Donetsk Institute for Physics and Engineering of the NASU, Donetsk, Ukraine
- Superconductors**
- CP-1P/27 Electron-phonon interaction and its interplay with magnetic coupling in cuprates in the strong correlation limit**
 Shneyder E.I., Ovchinnikov S.G.
Kirensky Institute of Physics, Siberian Branch of RAS, Krasnoyarsk, Russia
- CP-1P/28 Excess current in contacts of MgB_2 - Ag, Bi_2Te_3 - Ag**
 Sidorov S.L., Tarenkov V.U., Dyachenko A.I., Boichenko D.I.
Donetsk Physics & Engineering Institute NASU, Donetsk, Ukraine

- CP-1P/29 Superconducting point-contact spectroscopy on (In,Mn)Sb dilute magnetic semiconductor**
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Donetsk Physics & Technology Institute NAS of Ukraine, Donetsk, Ukraine
¹*N. S. Kurnakov Institute of General and Inorganic Chemistry of RAS, Moscow, Russia*
- CP-1P/30 The real band diagram for the NbN–GaAs heterojunction**
 Shekhovtsov L.V., Venger E.F., Hotovy I.¹
V. Lashkaryov Institute of Semiconductor Physics of the NASU, Kiev, Ukraine
¹*Slovak University of Technology, Bratislava, Slovakia*
- CP-1P/31 Nano-scaled superconducting interface in semiconducting A^{IV}B^{VI} heterostructures: suppression of 2D-superconductivity by the magnetic field**
 Yuzepovich O., Bengus S., Mikhailov M., Volobuev V.¹, Sipatov A.¹, Buchstab E.², Fogel N.²
Institute for Low Temperature Physics & Engineering, Kharkov, Ukraine
¹*Kharkov Polytechnic University, Kharkov, Ukraine*
²*Solid State Institute, Technion, Haifa, Israel*
- CP-1P/32 Relaxation of the trapped magnetic field in the single-domain HTS**
 Kuroedov Yu.D., Krasnoperov E.P., Kartamishev A.A., Polushenko O.L.¹, Nizhelskiy N.A.¹
Kurchatov Institute, Moscow, Russia
¹*Bauman MVTU, Moscow, Russia*
- CP-1P/33 Influence of HTCS ellipsoid aspect ratio on the angular dependence of its diamagnetic response**
 Vasyliiev A.V., Melnichuk I.A.
PMP & HTSC division, Donetsk National University, Donetsk, Ukraine
- CP-1P/34 Doping dependence of the electronic structure in La_{2-x}Ba_xCuO₄**
 Gavrichkov V.^{1,2}, Ambrosch-Draxl C.³, Kokorina E.⁴, Nekrasov I.⁴, Ovchinnikov S.^{1,2}, Pchelkina Z.⁵, Spitaler J.¹
¹*L.V. Kirensky Institute of Physics, Siberian Branch of RAS, Krasnoyarsk, Russia*
²*Siberian Federal University, Krasnoyarsk, Russia*
³*University of Leoben, Leoben, Austria*
⁴*Institute of Electrophysics, Ural Branch of RAS, Ekaterinburg, Russia*
⁵*Institute of Metal Physics, Ural Branch of RAS, Ekaterinburg, Russia*
- CP-1P/35 Magnetic susceptibility of rare-earth elements cobaltites with different cobalt stoichiometry**
 Bashkirau L.A., Shauchenka S.V., Petrov G.S., Lubinski N.N.
Belarus State Technological University, Minsk, Belarus

- CP-1P/36 Electrical conductivity, thermal expansion and IR-spectra of non-stoichiometric rare-earth elements cobaltites**
Shauchenka S.V., Bashkirau L.A., Petrov G.S., Lubinski N.N., Sushkevich A.V.
Belarus State Technological University, Minsk, Belarus
- AA-L1 Pure and ultra-pure metals in nuclear power**
Azhazha V.M.
Institute of Solid State Physics, Material Science and Technology NSC KIPT, Kharkov, Ukraine
- BA-L1 Requirements to new generation absorbing materials and control rods**
Risovany V.D., Zakharov A.V., Klochkov Ye.P.
FSUE SSC RIAR, Dimitrovgrad
- AB-10/1 New Method in the Theory of Parametric Resonance. Stabilization and Destabilization of Vibrations**
Baryakhtar V.G., Samar A.V.
Institute of Magnetism of NASU & MESU, National Technical University of Ukraine "KPI"
- AB-10/6 First principle study of the ferromagnetic behavior in the magnetic refrigeration MnAs based alloys**
Golovchan A.V., Gribov I.F.
A.Galkin, Donetsk Physico-Technical Institute of NASU, Donetsk, Ukraine

**15.00-19.00 Poster Session CQ.
Section 12. NMR & EPR**

Chairmen: Sergeev N.A., Berzhansky V.N.

- CQ-12P/1 Dynamics of paramagnets at zero temperature**
Farutin A.M., Marchenko V.I.
Kapitza Institute for Physical Problems, RAS, Russia
- CQ-12P/2 Low-energy spin dynamics of heisenberg pyrochlore magnets**
Prozorova L.A., Sosin S.S., Smirnov A.I., Petrenko O.A.¹, Zhitomirsky M.E.², Sanchez J.-P.²
P. Kapitza Institute for Physical Problems RAS, Moscow, Russia
¹*Department of Physics, Warwick University, Coventry, UK*
²*Commissariat à l'Énergie Atomique, Grenoble, France*
- CQ-12P/3 The ESR line splitting in doped perovskite manganites in the course of magnetic phase transformation**
Dzhezherya Yu.I., Tovstolytkin A.I.
Institute of Magnetism, Kyiv, Ukraine
- CQ-12P/4 ESR spectra for solid solution semiconductor Hg_{1-x}Cr_xSe (0.03 < x < 0.1)**
Bondarev A., Ivanchenko I., Lamonova K.¹, Orel S.¹, Pashkevich Yu.¹, Popenko N., Zhitlukhina E.¹
Usikov Institute for Radiophysics and Electronic, NASU, Kharkiv, Ukraine
¹*O.O. Galkin Donetsk Institute for Physycs and Engineering, NASU, Donetsk, Ukraine*

- CQ-12P/5 EPR spectroscopy of the copper(II) spacer-armed binuclear complexes**
Larin G.M., Shul'gin V.F.¹
N.S. Kurnakov Institute of General and Inorganic Chemistry, RAS, Moscow, Russia
¹*V.I. Vernadsky Taurida National University, Simferopol, Ukraine*
- CQ-12P/6 Magnetic properties of bis[1,3-dithiole-2-thione-4,5-dithiolato] cuprate(II) complexes**
Vasilets G.Y., Starodub V.A., Kamenskiy D.L.¹, Anders A.G.¹
V.N. Karazin Kharkiv National University, Kharkiv, Ukraine
¹*B.I. Verkin Institute of Low Temperature Physics and Engineering, Kharkiv, Ukraine*
- CQ-12P/7 The spacer-armed copper(II) dimers structure**
Chernega A.N., Rusanov E.B., Shul'gin V.F.¹, Larin G.M.²
Institute of the Organic Chemistry, NASU, Kiev, Ukraine
¹*V.I. Vernadskii Taurida National University, Simferopol, Ukraine*
²*N.S. Kurnakov Institute of General and Inorganic Chemistry, RAS, Moscow, Russia*
- CQ-12P/8 Binuclear copper(II) complexes with benzendicarboxylic acids acylbishydrazones**
Shul'gin V.F., Trush Y.V.¹, Larin G.M.¹
V.I. Vernadskii Taurida National University, Simferopol, Ukraine
¹*N.S. Kurnakov Institute of General and Inorganic Chemistry, RAS, Moscow, Russia*
- CQ-12P/9 Space-armed copper(II) complexes with the acylbishydrazones of the 5-hydroxy-3-methyl-4-formylpirazole**
Shul'gin V.F., Obuch A.I.¹, Zub V.Ya.¹, Larin G.M.²
V.I. Vernadskii Taurida National University, Simferopol, Ukraine
¹*Taras Shevchenko Kiev National University, Kiev, Ukraine*
²*N.S. Kurnakov Institute of General and Inorganic Chemistry, RAS, Moscow, Russia*
- CQ-12P/10 Transport phenomena and solid-state NMR**
Olszewski M., Sergeev N.A., Levchenko D.A.¹, Sapiga A.V.¹
Institute of Physics, University of Szczecin, Szczecin, Poland
¹*Tavrida National University, Simferopol, Crimea, Ukraine*
- CQ-12P/11 ²³Na NMR in relaxor-ferroelectric Na_{1/2}Bi_{1/2}TiO₃. Two models of competing trigonal and tetragonal local ordering**
Yablonskaya Yu.E., Aleksandrova I.P., Ivanov Yu.N., Sukhovskiy A.A., Vakhrushev S.B.¹
L.V. Kirensky Institute of Physics RAN, Krasnoyarsk, Russia
¹*A. F. Ioffe Physico-Technical Institute RAN, St-Petersburg, Russia*
- CQ-12P/12 Nuclear magnetic resonance in Co₂MnGa alloy**
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Institute of Magnetism NASU and MESU, Kiev, Ukraine
¹*Institute of Metal Physics NASU, Kiev, Ukraine*

- CQ-12P/13** The analysis of hyperfine magnetic fields on chromium nuclei with the help of ADF software package
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V.I. Vernadsky Taurida National University, Simferopol, Ukraine
- CQ-12P/14** Investigation of the peculiarities of the absorbed water on TiO₂ by NMR-relaxation method
Barabash A.I., Chesnokov E.D., Ovcharenko A.I., Pogrebn'yak S.V., Vertegel I.G., Gaivoronski V.Y., Yatsenko A.V.¹
Institute of Physics National Academy of Sciences of Ukraine, Kiev
¹*Tavrida National University, Simferopol, Crimea, Ukraine*
- CQ-12P/15** NQR investigation of the crystal structure peculiarities of the layered semiconductors Pb_xCd_{x-1}J₂
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Institute of Physics NASU, Kiev, Ukraine
- CQ-12P/16** NMR investigation of proton dynamics in ferroelectric KIO₃·2HIO₃
Baisa D.F.¹, Chesnokov E.D., Ovcharenko A.I., Vertegel I.G.
Institute of Physics NASU, Kyiv, Ukraine
¹*Kyiv Institute of Management and Information Technologies, Kyiv, Ukraine*
- CQ-12P/17** NaFe₄Sb₁₂ and FeSb₂ as a promising thermoelectric materials: NQR study
Gippius A.A.^{1,2}, Alkaev E.A.², Morozova E.N.^{1,2}, Okhotnikov K.S.¹
¹*Moscow State University, Moscow, Russia*
²*Institute of Crystallography RAS, Moscow, Russia*
- CQ-12P/18** Mobile measuring arrangement for adsorption-desorption flicker-noise spectroscopy
Vorobyev M.D., Yudaev D.N., Makoviychuk M.I.¹
MPEI, Moscow, Russia
¹*IMRAS, Yaroslavl, Russia*
- CQ-12P/19** Magnetic- resonance properties of Fe and Co nanoparticles in fullerite matrix
Vnukova N.G.^{1,2}, Petrakovskaya E.A.¹, Bulina N.V.^{1,2}, Glushchenko G.A.¹, Berzhansky V.N.³, Churilov G.N.^{1,2}
¹*Kirensky Institute of Physics, SB RAS, Akademgorodok, Krasnoyarsk, Russia*
²*Polytechnic Institute of Siberian Federal University, Krasnoyarsk, Russia*
³*V.I. Verandskiy Taurida national university, Simferopol, Ukraine*
- CQ-12P/20** Electro-Magnetic Properties of Iron- and Cobalt-Fullerene Clusters
Petrakovskaya E.A.¹, Vnukova N.G.^{1,2}, Osipova I.V.¹, Grehova E.A.², Bulina N.V.^{1,2}, Glushchenko G.A.¹, Chekanova L.A.¹, Denisova E.A.¹, Churilov G.N.^{1,2}
¹*L.V. Kirensky Institute of Physics SB RAS, Krasnoyarsk, Russia*
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Brovko O.O.	ER-11P/15, ER-11P/14, ER-11P/1	Churilov G.N.	CQ-12P/20, CQ-12P/19
Brusilovetz A.	BP-10P/46	Crasovski V.	BQ-10P/14
Brysev A.P.	AP-6P/14	D	
Bublik V.T.	CA-3O/7	D'yachenko A.I.	CP-1P/29, CP-1P/28, CP-1P/26, CA-3L/2, BR-3P/39, BR-3P/13
Buchelnikov V.D.	EQ-8P/17, EQ-8P/15, BC-6L/1	Dadoenkova N.N.	EB-7O/1
Buchstab E.	CP-1P/31	Dambis M.K.	EP-5P/13
Bukin G.V.	AP-6P/36, AP-6P/20, BC-6L/2	Danevich F.A.	DP-9P/8
Bukovsky V.A.	DR-2P/26	Danilenko I.A.	AP-6P/39
Bulatov N.	DR-2P/18	Danilevich A.G.	DA-8O/1
Bulina N.V.	CQ-12P/20, CQ-12P/19	Danishevskaya H.	DR-2P/12
Burachas S.	DP-9P/9	Davidenko A.	AP-6P/30
Burunkova J.E.	DS-4P/16, BP-10P/22	Davydeiko N.V.	BR-3P/15
Busheva E.V.	BR-3P/26, BR-3P/23	Dedukh N.V.	ER-11P/24
Busko T.O.	DP-9P/20		
Buth S.A.	DS-4P/17		

Deineka T.G.	BR-3P/20, BP-10P/30	<i>E</i>	
Dekan A.A.	AP-6P/36	Edelman I.S.	DS-4P/8, DS-4P/7
del Val J.J.	EC-2L/2	Efimova A.I.	ER-11P/29
Dementjev V.	DR-2P/7, BP-10P/1	Efimova N.N.	DR-2P/21
Demidenko O.F.	DQ-2P/14, BR-3P/30, BP-10P/49	Efimova T.V.	DQ-2P/2
Demidov V.E.	EQ-8P/2	Efremov Yu.Ya.	ER-11P/33
Demidov V.V.	ER-11P/35, ER-11P/34	Efros B.M.	AP-6P/26
Deminov R.G.	BR-3P/35	Efryushina N.P.	ED-9O/2, DP-9P/12
Demokritov S.O.	EQ-8P/2	Egelhoff W.F.	DS-4P/9
Demyanyshyn N.M.	EA-4O/3	Egorov A.D.	DP-9P/35
Denisov S.I.	CP-1P/15	Egorov S.	DR-2P/17
Denisova E.A.	CQ-12P/20	Egorov S.A.	DP-9P/35
Denisuk I.Y.	DS-4P/16, BP-10P/22	Ekomasov E.G.	CP-1P/18, CP-1P/17
Deych L.	AQ-7P/1	El'ska G.V.	ER-11P/15, ER-11P/14, ER-11P/1
Dimitriev O.P.	AB-1O/7	El'skaya A.V.	ER-11P/6, ER-11P/5
Dinaev Yu.A.	BP-10P/35	El-Astal A.H.	EQ-8P/3
Dinescu G.	BD-11O/1, ER-11P/30	Eliseev D.A.	DP-9P/2
Diyakon L.V.	BP-10P/48	Emrick T.	ER-11P/11
Dmitriev S.V.	BP-10P/35	Entel P.	BC-6L/1
Dmitruk L.N.	DS-4P/12	Eremenko A.M.	DP-9P/20
Dmitruk N.	BP-10P/25	Eremin E.V.	CA-3O/5, CA-3O/3
Dmytrenko O.P.	DP-9P/20, BP-10P/48	Eremtsova L.L.	EQ-8P/19
Dmytriiev A.V.	AB-1L/2	Ermolaeva O.L.	DC-10O/2
Dmytruk A.	BP-10P/25	Erokhin S.	AQ-7P/1
Dojčilović J.	EP-5P/17	Ershov N.V.	DQ-2P/8
Dolbak A.E.	DQ-2P/9	Eyvazova G.M.	ER-11P/11
Dolgov A.I.	DS-4P/22	Ezhov A.A.	BP-10P/17
Dolgov A.V.	60	<i>F</i>	
Dorenbos P.	ED-9O/2	Farutin A.M.	CQ-12P/1
Dorofeenko A.V.	EB-7L/3	Fediv V.I.	DC-10O/10
Dorofeichyk S.S.	DQ-2P/14	Fediy A.A.	EQ-8P/17
Doroshenko A.G.	ER-11P/19	Fedorov S.A.	AQ-7P/8
Doroshenko Y.A.	BQ-10P/7	Fedorov V.A.	DS-4P/12
Doroshev V.D.	BR-3P/17	Fedorov V.I.	DQ-2P/8
Dorosinets V.	BR-3P/3	Fedorovich R.D.	DC-10O/11
Doskolovich L.L.	EB-7L/2	Fedorovskii A.F.	EP-5P/25
Dotsenko K.I.	DR-2P/26	Fedosyuk V.M.	BP-10P/49
Dotsenko V.P.	ED-9O/2, DP-9P/12	Feldman E.P.	CP-1P/22
Dovgii V.T.	BR-3P/15	Fersenkov N.A.	AP-6P/35
Drachev A.	BD-11O/1	Fetisov L.	EP-5P/4
Dragunov I.E.	BP-10P/6	Fetisov Y.K.	EP-5P/7, EP-5P/3, BB-5O/1
Drozdovsky A.V.	EP-5P/6	Filatov A.V.	AP-6P/23
Dubasova V.S.	BP-10P/32	Filikov V.A.	EP-5P/13
Dubey I.Ya.	DC-10O/11	Filimonov Yu.A.	EQ-8P/18, EC-2O/3, DR-2P/1, AQ-7P/6, AQ-7P/5
Dubovik A.M.	DP-9P/8	Filinkova T.I.	DC-10O/5
Dubovitskii A.V.	BR-3P/6	Filipenko V.	ER-11P/23
Dubowik J.	AP-6P/9	Filippov A.N.	ER-11P/33
Dvornik N.A.	AQ-7P/7	Filippov D.A.	BB-5O/2
Dyachenko S.A.	DR-2P/16	Fishman A.Ya.	DC-10O/5
Dyoshin I.I.	DC-10O/11	Flores-Zúñiga H.	BC-6O/3
Dzedolik I.V.	DS-4P/18	Fogel N.	CP-1P/31
Dzhezheriya Yu.I.	CQ-12P/3, CA-3L/4	Fokina M.I.	DS-4P/16
Dzhumaliev A.S.	EC-2O/3, DR-2P/1	Fokina N.P.	CA-3O/2
Dzidziguri E.L.	DC-10O/9	Fominykh E.G.	BR-3P/28, BR-3P/27
Dzyadevych S.V.	BD-11O/3, ER-11P/6, ER-11P/5	Fraerman A.A.	DC-10O/3, DC-10O/2, DC-10O/1
Dzyan C.V.	BP-10P/11		

- Fridman Yu.A. *CP-1P/7, CP-1P/6, CP-1P/4, CP-1P/3*
 Futerman D.E. *EQ-8P/17*
- G**
- Gaididei Y. *DC-100/4, DA-80/9*
 Gaivoronski V.Y. *CQ-12P/14*
 Gakin S.N. *DP-9P/34*
 Gal'chinetskii L. *ED-90/1*
 Galan A. *ED-90/1*
 Galchinetskii L. *DP-9P/13*
 Galet A. *BC-6L/2*
 Galias A.I. *BR-3P/30*
 Galkin A.A. *AP-6P/37*
 Galkin A.Yu. *EQ-8P/11, BP-10P/2*
 Galkin V.Yu. *EB-7L/4*
 Galunov N.Z. *ED-90/5*
 Gan'shina E. *AA-L3*
 Garasevich S.G. *ER-11P/8*
 Gashin P. *ED-90/1*
 Gasinets S.M. *DS-4P/20*
 Gaspar A. *AP-6P/20, BC-6L/2*
 Gavrichkov V.A. *CP-1P/34, CA-30/1*
 Gavrilchenko I.V. *AP-6P/21*
 Gavriiliuk A.A. *AP-6P/25*
 Gavriiliuk A.G. *BB-5L/2*
 Gavriilyuk N.A. *BP-10P/48*
 Gavrylyuk V.P. *DP-9P/18*
 Gayda G.Z. *BD-110/3*
 Gentsar P.A. *DS-4P/25, BQ-10P/10*
 Gera E.V. *DS-4P/20*
 Gerasimchuk I.V. *CP-1P/24, EQ-8P/13*
 Gerasimchuk V.S. *EQ-8P/16*
 Gerus S.V. *EQ-8P/1*
 Gheorghe R. *EA-40/5*
 Gilman A. *BD-110/1, ER-11P/30*
 Gippius A.A. *CQ-12P/17*
 Gizhevskii B.A. *DC-100/5*
 Glavatska N. *BC-60/2*
 Glavatskyy I. *BC-60/2*
 Glebov A.V. *DQ-2P/15*
 Glebov V.A. *DQ-2P/15*
 Glumova M.V. *BP-10P/33*
 Glushchenko G.A. *CQ-12P/20, CQ-12P/19*
 Glushkova L.V. *DP-9P/35*
 Gnatenko Yu.P. *CQ-12P/15*
 Gnezdilov V. *BB-50/5, BA-L3*
 Godovsky D. *DS-4P/27*
 Golovan L.A. *BP-10P/17*
 Golovchan A.V. *AB-10/6, CP-1P/21, CP-1P/19*
 Golovinov V.P. *AP-6P/36*
 Golub A.A. *ER-11P/26*
 Golub A.S. *BQ-10P/4*
 Golub T. V. *DQ-2P/5, DQ-2P/1*
 Golub V.O. *CQ-12P/12, BR-3P/31, BP-10P/5*
 Golubenko Z.V. *BP-10P/13*
 Golubeva O.Yu. *BP-10P/27*
- Gomenyuk O. *ED-90/3*
 Gomonay H.V. *CP-1P/10, CP-1P/9, AB-1L/4*
 Gomozov V. *BP-10P/14*
 Gonchar M.V. *BD-110/3*
 Goncharov A.A. *BQ-10P/5*
 Goncharova L.A. *ER-11P/15*
 González J. *EC-2L/2, EC-2L/1*
 Gorbacheva T.E. *DP-9P/18, DP-9P/17, DP-9P/2*
 Gorban O.A. *AP-6P/39*
 Gorbenko O.Yu. *ER-11P/35, ER-11P/34*
 Gorbovanov A.I. *DB-120/1*
 Gordeev V.N. *EP-5P/13*
 Gorina O.V. *EP-5P/26*
 Gorlova I.G. *EP-5P/12*
 Gorobets O.Yu. *DC-10L/3, ER-11P/21, ER-11P/17*
 Gorobets S.V. *ER-11P/22, ER-11P/21, ER-11P/20, ER-11P/18, ER-11P/17*
 Gorobets Yu.I. *EQ-8P/6, DA-80/2, ER-11P/18*
 Gorobets Yu.N. *DP-9P/1*
 Goryachev A.V. *AP-6P/10*
 Goryushkina T.B. *BD-110/3*
 Gouskos N. *BC-6L/2*
 Goyko I.Yu. *ER-11P/20*
 Grabovskiy Yu.E. *BP-10P/48*
 Grachov N.E. *BR-3P/25*
 Granovsky A.B. *DQ-2P/13, AQ-7P/1, AA-L3*
 Grehova E.A. *CQ-12P/20*
 Gribanov I.F. *AB-10/6*
 Gribkov B.A. *DC-100/3, DC-100/2, BP-10P/3*
 Grinyov B.V. *ED-90/1, DP-9P/34, DP-9P/27, DP-9P/26, DP-9P/13, DP-9P/8, DP-9P/6, DP-9P/2*
 Grishin A.M. *EQ-8P/14*
 Gruselle M. *EA-40/5*
 Grygoruk V.I. *ER-11P/31*
 Grynyuk I.I. *ER-11P/26*
 Guba S.K. *BQ-10P/9*
 Gubarev A.A. *BQ-10P/3*
 Gule E.G. *BP-10P/19*
 Gulyaeva T.V. *DQ-2P/6*
 Gumarov G.G. *ER-11P/33*
 Gumennyk K.V. *CP-1P/22*
 Gupta A. *BB-50/2*
 Guranich O.G. *EP-5P/26, DS-4P/20*
 Guranich P.P. *EP-5P/26, DS-4P/20*
 Gusakova L.G. *EP-5P/18*
 Gusarov V.V. *BP-10P/27*
 Gusev A.A. *BP-10P/42, BA-L3*
 Gusev S.A. *DC-100/3*
- H**
- Hajimamedov R.H. *ER-11P/11*
 Haliakevich T.V. *BR-3P/22*
 Hamada M.S. *EQ-8P/3*
 Hannula S.-P. *BC-60/2*
 Heiliö M. *DS-4P/2*

Hemberger J.....	BB-5O/5	Kanashenko S.L.....	AP-6P/5
Hillebrands B.....	DA-8O/4, DA-8L/3	Kapranova A.I.....	DR-2P/9
Hizhnyi Yu.....	ED-9O/3, DP-9P/31	Karaseva V.Yu.....	DR-2P/3
Homenko T.A.....	EQ-8P/6	Karavaeva N.L.....	ED-9O/5
Horbenko E.E.....	AP-6P/32	Karbovsky V.L.....	AB-1O/7
Horvat Yu.A.....	DS-4P/20	Karpacheva G.P.....	DC-10O/9
Hotovy I.....	CP-1P/30	Karpovich I.A.....	BP-10P/7
Hymenyuk O.V.....	DQ-2P/5, DQ-2P/1	Kartamishev A.A.....	CP-1P/32
Hyun Y.H.....	BR-3P/8	Kartavyh A.V.....	CA-3O/7
I			
Ignatchenko V.A.....	DA-8L/1	Kasatkina T.P.....	ER-11P/20
Ignatenko O.....	BQ-10P/8	Kashkarov P.K.....	BP-10P/20, BP-10P/17, ER-11P/29
Ignatovych M.....	DP-9P/22	Kashpur O.M.....	ER-11P/22
Ignatyeva E.V.....	BR-3P/15	Kasian N.A.....	DP-9P/15, ER-11P/10
Il'yashenko E.I.....	DS-4P/2, DQ-2P/15	Kasyanov A.I.....	AP-6P/36
Ilyn M.I.....	AB-1O/5	Katasonov A.A.....	BP-10P/35
Indutnyy I.Z.....	BP-10P/19	Katrunov K.....	ED-9O/1, DP-9P/13, DP-9P/9, DP-9P/6, DP-9P/5
Inoue M.....	AA-L3	Kaul A.R.....	ER-11P/35, ER-11P/34
Ionita D.....	ER-11P/30	Kawasaki K.....	EA-4O/2
Ipatov M.....	EC-2L/1	Kazak N.V.....	BR-3P/21
Ischuk V.M.....	EP-5P/19, EP-5P/18	Kazakov G.T.....	AQ-7P/6
Istomin V.V.....	AP-6P/5	Kazantceva Z.I.....	ER-11P/3
Iturriza N.....	EC-2L/2	Kelemen A.....	DP-9P/22
Iunin Y.L.....	AB-1O/3	Khaibullin R.I.....	DS-4P/14
Ivanchenko I.V.....	CQ-12P/4, DC-10O/10	Khartsev S.I.....	EQ-8P/14
Ivanov A.V.....	EB-7L/4	Khavronin V.P.....	CA-3L/3
Ivanov B.A.....	CP-1P/5, CP-1P/3, CP-1P/2, EQ-8P/11, BP-10P/11, BP-10P/2, AB-1L/3	Khirnyi V.F.....	BR-3P/20
Ivanov V.A.....	CP-1P/29, EB-7L/4	Khivuntsev Yu.V.....	EQ-8P/18
Ivanov V.Yu.....	BB-5O/4	Khizriev K.Sh.....	DQ-2P/11
Ivanov Yu.N.....	CQ-12P/11	Khokhlov D.R.....	DP-9P/29
Ivanova L.S.....	CQ-12P/15	Khokhlov V.A.....	BR-3P/15, BR-3P/8
Ivanova N.B.....	BR-3P/21	Khomenko A.V.....	AP-6P/33
Ivanovskaya M.I.....	BP-10P/8, BP-10P/7	Khovaylo V.V.....	AP-6P/4, AP-6P/3, AP-6P/2, AP-6P/1, BC-6O/4
Iwaseczko W.....	AB-1O/5	Khoviv A.M.....	BQ-10P/13, BQ-10P/12
J			
Jang P.....	EQ-8P/25, EC-2O/2	Khrenov A.....	DS-4P/3
Johansen T.H.....	DS-4P/2	Khristosenko R.V.....	ER-11P/2
K			
Kabakova I.V.....	DS-4P/11	Khutsishvili K.O.....	CA-3O/2
Kabanov Yu.P.....	DS-4P/9, AB-1O/3	Khymyn R.S.....	CP-1P/2
Kadomtseva A.M.....	BR-3P/15, BB-5O/6, BB-5O/4	Kilimchuk I.V.....	DP-9P/30
Kaidan M.V.....	EA-4O/3	Kim J.B.....	BR-3P/8
Kainuma R.....	AP-6P/1	Kirillova M.M.....	DS-4P/6
Kaivola M.....	DS-4P/2	Kisel' N.G.....	BR-3P/14, BR-3P/2
Kalashnikova A.M.....	EA-4O/1	Kiselev I.A.....	CA-3L/3
Kalinikos B.A.....	EQ-8P/2, EP-5P/6	Kislovskii E.N.....	BP-10P/36, BP-10P/34, BA-L4
Kalinina L.A.....	BR-3P/28, BR-3P/27	Klabukov A.A.....	BR-3P/12
Kalish A.N.....	DS-4P/1	Kleinerman N.M.....	DQ-2P/8
Kamenev V.I.....	BR-3P/17, BR-3P/15	Klevets Ph.N.....	CP-1P/7
Kamenskiy D.L.....	CQ-12P/6	Klimov A.....	DS-4P/5, AQ-7P/4
Kamentsev K.E.....	EP-5P/7, EP-5P/4	Klochkov Ye.P.....	BA-L1
Kaminski B.....	EA-4O/1	Klyndyuk A.I.....	CP-1P/16
Kaminsky G.G.....	BR-3P/8	Kokorin V.V.....	AP-6P/7, AP-6P/6, BC-6O/1
		Kokorina E.....	CP-1P/34
		Koledov V.V.....	AP-6P/5, AP-6P/4, AP-6P/3, AP-6P/2, BC-6O/4
		Kolesnik S.....	BR-3P/36
		Komashko V.A.....	BR-3P/8

Kominami H.	ED-9O/6	Krivoshein V.	DP-9P/5
Komogortsev S.V.	DQ-2P/10	Krstic V.	EA-4O/5
Konarev D.V.	BQ-10P/1, BP-10P/51	Kruglyak V.V.	AQ-7P/7
Konder K.	BA-L3	Kruk B.	BR-3P/19
Kondratenko P.A.	CP-1P/14, DP-9P/25	Krupa M.M.	EA-4O/4
Kononenko O.S.	BP-10P/35	Krynetskii I.B.	DC-10O/5
Konovalov V.A.	BQ-10P/5	Krys'kov Ts.A.	DS-4P/25
Konstantinova E.A.	BP-10P/20	Kryvorotenko D.V.	ER-11P/8
Konstantinova T.E.	AP-6P/39, BP-10P/38	Kryzhanovskaya A.S.	ED-9O/4, DP-9P/10
Konup I.A.	ER-11P/4	Kuchin D.C.	AP-6P/4
Konygin G.N.	EQ-8P/22, ER-11P/33	Kuchin D.S.	AP-6P/5
Kopaev A.V.	CA-3O/4	Kuchko A.N.	AQ-7P/7
Korchevoj A.A.	ED-9O/6	Kudin K.A.	DP-9P/4
Korduban A.M.	BP-10P/41	Kudrya V.Yu.	DC-10O/11, ER-11P/8
Korlaykov D.V.	ER-11P/33	Kudryavcew V.O.	AP-6P/25
Korneev V.I.	DA-8O/6	Kudryavtsev Yu.V.	CQ-12P/12, AP-6P/9
Korniienko Ie.	CP-1P/9	Kukla O.L.	ER-11P/6
Kornyushchenko A.S.	BP-10P/28	Kukueva V.V.	ER-11P/16
Korolev A.V.	BR-3P/33	Kulagin D.V.	AQ-7P/3
Koroleva L.I.	BR-3P/7	Kulagin N.E.	DA-8O/6
Koronovskyy V.E.	EP-5P/8	Kulakov V.I.	BR-3P/6
Korppi M.	DS-4P/2	Kulik Yu.O.	AP-6P/39
Korshak A.B.	CP-1P/25	Kulish M.P.	BP-10P/48
Korshikova T.I.	DS-4P/13, DP-9P/7, BP-10P/30	Kulish N.P.	DP-9P/20, BP-10P/18
Kosintsev S.G.	DQ-2P/4, DQ-2P/2	Kunevich A.V.	AP-6P/35
Koslovskii A.A.	BR-3P/20	Kunitskaya L.	DR-2P/7, BP-10P/1
Kosmachev O.A.	CP-1P/6, CP-1P/3	Kurbatova Yu.N.	CP-1P/11
Kosminskaya Yu.A.	BP-10P/28	Kurgan N.A.	AB-1O/7
Kosmyna M.B.	DP-9P/1	Kurilo I.V.	BQ-10P/9
Kostryukov V.F.	BP-10P/26	Kuroedov Yu.D.	CP-1P/32
Kostulin S.S.	DP-9P/36	Kushenkov S.A.	DQ-2P/9
Kostyk L.	DP-9P/16	Kutniy K.V.	ER-11P/27
Kotelyanskii I.M.	EP-5P/10	Kuz'min E.V.	BR-3P/24
Kotov L.N.	EQ-8P/12	Kuzmenko A.M.	BB-5O/4
Kotov V.V.	CQ-12P/12	Kuznetsov G.	BP-10P/21
Kotsikau D.	BP-10P/8	Kuzovoy N.V.	AP-6P/32
Koval A.F.	DP-9P/26		
Koval' A.A.	BP-10P/13	L	
Kovalenko V.F.	DR-2P/16, BR-3P/18, BP-10P/12, BP-10P/11, BP-10P/10	L'vov V.	BC-6O/2
Kovalev A.S.	EQ-8P/13	Laba H.P.	EA-4O/3
Kovalska V.B.	ER-11P/8	Labunov V.A.	BP-10P/49
Kozhevnikov A.V.	EC-2O/3, DR-2P/1, AQ-7P/6	Lachinov A.N.	BD-11O/2
Kozin A.V.	BB-5O/2	Lalayants A.I.	DP-9P/34
Kozlova E.I.	BQ-10P/8, BQ-10P/2	Lamonova K.V.	CQ-12P/4, DB-12O/2, AP-6P/19, BA-L3
Kozlova L.E.	AP-6P/7	Lapteva T.V.	AQ-7P/10, AP-6P/17
Kozmin Yu.S.	DP-9P/27, DP-9P/26	Larin G.M.	CQ-12P/9, CQ-12P/8, CQ-12P/7, CQ-12P/5
Kramar O.	DQ-2P/4	Launetz V.	EQ-8P/23
Krasnoperov E.P.	CP-1P/32	Lazarenko O.	ER-11P/32
Kravchuk V.P.	DC-10O/4	Lazuta A.V.	CA-3L/3
Kravets A.F.	AP-6P/23	Lebedev G.A.	AP-6P/5, AP-6P/2
Kravets L.	BQ-10P/14, BD-11O/1, ER-11P/30	Lebedev S.	EP-5P/4
Kravets V.G.	DS-4P/24	Lechenko G.G.	AP-6P/36
Krayevska Ya.	DP-9P/19	Lee B.	EC-2O/2
Krivoruchko V.N.	CP-1P/29, CA-3L/2, BR-3P/39, BR-3P/12	Lee Y.P.	EB-7O/1, AP-6P/9, BR-3P/8
		Lega P.V.	AP-6P/5, AP-6P/4
		Legenkiy Yu.A.	ER-11P/18, ER-11P/17

Legurova E.	ER-11P/12	<i>M</i>	
Lemmens P.	BB-5O/5, BA-L3	Machnyev A.M.	DS-4P/21
Len E.G.	BP-10P/34	Maevskii V.M.	DS-4P/6
Len T.	BP-10P/47, BP-10P/46	Majdanchuk I.Yu.	BP-10P/19
Leonov A.A.	BP-10P/6	Makarenko S.	BP-10P/9
Levchenko D.A.	CQ-12P/10, EP-5P/25	Makhaev V.D.	EA-4O/5
Levchenko G.G.	AP-6P/37, AP-6P/34, AP-6P/20, BR-3P/8, BC-6L/2	Makhonina E.V.	BP-10P/32
Levchenko S.M.	ER-11P/8	Makmak I.M.	AP-6P/37
Levchuk Yu.S.	AP-6P/7	Makovetskii G.I.	DQ-2P/14, BR-3P/30, BP-10P/49
Levitin E.Ya.	BP-10P/13	Makoviychuk M.I.	CQ-12P/18
Levitskiy A.V.	AP-6P/28	Maksimochkina A.V.	DC-10O/9
Levitskiy O.V.	AP-6P/27	Maksimov P.N.	ER-11P/33
Leviy S.V.	DS-4P/21	Maksimova E.M.	CP-1P/13, DR-2P/24, DR-2P/23
Levytskyi S.M.	DS-4P/25	Malakhovskii A.V.	EA-4L/2, DS-4P/8
Lindfors K.	DS-4P/2	Malashenko V.V.	AP-6P/31
Lindvall T.	DS-4P/2	Maletić S.	EP-5P/17
Linnik A.I.	DS-4P/23, BR-3P/15	Malkinski L.	BR-3P/31, BP-10P/5
Linnik T.A.	BR-3P/15	Maly S.V.	EQ-8P/20, EB-7O/4
Lisetski L.N.	DP-9P/28, DP-9P/15, ER-11P/10	Malyk O.P.	BQ-10P/6
Lisyansky A.	AQ-7P/1	Malyschenko N.	AB-1L/4
Litvinenko S.	BP-10P/21	Malyukin Yu.	ED-9O/1
Litvinov L.	ER-11P/23	Mamalyi Ju.A.	DR-2P/11, DR-2P/10, AB-1O/2
Liu Z.-K.	DS-4P/26	Mamykin S.	BP-10P/25
Loboda S.N.	ER-11P/18	Mankov Yu.I.	DA-8L/1
Lobov I.D.	DS-4P/6	Mansfeld G.D.	C EP-5P/10, AP-6P/18
Lobzenko S.V.	EP-5P/24	Mansfeld G.M.	DA-8O/8
Lock E.	EQ-8P/5, DA-8O/7	Mapps D.J.	AA-L2,
Logginov A.S.	EP-5P/9	Marchenko S.V.	ER-11P/6
Loidl A.	BB-5O/5	Marchenko V.I.	CQ-12P/1, AP-6P/24
Loktev V.	BA-L2	Marchylo O.M.	ED-9O/6
Lomakina I.Yu.	CP-1P/12	Marenkin S.F.	BR-3P/22
Lomayeva S.F.	EQ-8P/22	Martyanov O.N.	CA-3O/3
Lopatin D.V.	BQ-10P/1, BP-10P/51, BP-10P/50	Martynenko E.V.	ED-9O/5
Lopatkin Yu.M.	CP-1P/14, DP-9P/25	Maslova L.A.	EP-5P/13
Losytskyy M.Yu.	ER-11P/8	Mateichenko P.V.	DP-9P/4, BP-10P/30
Lozenko A.F.	BP-10P/15	Matunin D.A.	CP-1P/4
Lubinski N.N.	CP-1P/36, CP-1P/35	Matveeva L.A.	BP-10P/43
Lubyaniy L.Z.	DR-2P/4	Matviyenko A.I.	BR-3P/1
Luchechko A.	DP-9P/16	Matyshevskaya O.P.	ER-11P/26
Luetkens H.	BA-L3	Matzui D.V.	BP-10P/46, BP-10P/44
Lukshina V.A.	DQ-2P/8, DQ-2P/7	Matzui L.Yu.	EQ-8P/23, BP-10P/47, BP-10P/46, BP-10P/45, BP-10P/44
Lutsev L.V.	EQ-8P/24, EQ-8P/14, DA-8O/10	Mazanko V.F.	BP-10P/41
Lutsik P.I.	ER-11P/22	Mazur A.S.	BR-3P/17
Lyashenko D.Yu.	BP-10P/29	Medvedyeva L.I.	DR-2P/20
Lyashenko I.A.	AP-6P/33	Melkov G.A.	DA-8O/3
Lyashenko I.O.	AP-6P/28	Melnichenko M.M.	BQ-10P/11
Lyashenko O.V.	AP-6P/28, AP-6P/22	Melnichuk I.A.	CP-1P/33, DR-2P/28
Lysenko V.	BP-10P/21	Melnik A.V.	BP-10P/35, BP-10P/34
Lysov V.I.	DR-2P/5, DQ-2P/12	Melnikov O.V.	BR-3P/4, ER-11P/35, ER-11P/34
Lyubchanskii I.L.	EB-7O/1, AQ-7P/2	Melnyk I.N.	BR-3P/32
Lyubovskaya R.N.	BQ-10P/1, BP-10P/51	Merkulov V.S.	EP-5P/14
Lyubutin I.S.	BB-5L/2	Mertens F.G.	DC-10O/4, DA-8O/9
Lyutyy T.V.	CP-1P/15	Merzlikin A.M.	EB-7L/3
Lyvyn O.S.	BQ-10P/10		

Meshcheryakov V.F.	EP-5P/7	Nauhatskij I.A.	CP-1P/13, DR-2P/24,
Meshkov G.A.	EP-5P/9		DR-2P/23
Metlov L.S.	AP-6P/33	Naumenko D.	BP-10P/25
Michel C.R.	BR-3P/21	Naumov V.V.	DQ-2P/15
Mikhailov M.	CP-1P/31	Nazarenko B.P.	DP-9P/1
Mikhailov V.I.	BR-3P/15	Nazarenko O.A.	ER-11P/6
Miki H.	AP-6P/1	Nazarov V.N.	CP-1P/12
Miloslavskyy A.	DP-9P/24	Nazirov N.N.	AP-6P/16
Milyaev M.A.	DS-4P/6, BR-3P/33	Nechitaylo Ya.	DR-2P/7, BP-10P/1
Minenko S.S.	DP-9P/28	Nedilko S.G.	ED-9O/3, DP-9P/33, DP-9P/32,
Mirnaya T.A.	DP-9P/15		DP-9P/31, DP-9P/19
Mironov V.L.	DC-10O/3, DC-10O/2, BP-10P/3	Nedviga A.	DS-4P/3
Mirzoev I.G.	BR-3P/37	Nedyelko I.	ED-9O/3, DP-9P/32, DP-9P/19
Misbah C.	AP-6P/24	Nekrasov I.	CP-1P/34
Mishina E.	EB-7O/2	Nekrasov V.V.	DP-9P/27, DP-9P/26
Misiuk A.	AP-6P/26, CA-3L/5, BP-10P/19	Nesterova E.A.	BQ-10P/15
Mittova I.Ya.	BP-10P/26	Nesteruk A.	DS-4P/3, DR-2P/12
Moiseeva L.V.	DS-4P/12	Netsvetov V.I.	DR-2P/10
Mokhovikov A.Yu.	AP-6P/25	Neumann T.	DA-8O/4
Moldovan B.N.	BP-10P/10	Nevdacha V.V.	AP-6P/23, BR-3P/29
Molkanov P.L.	CA-3L/3	Nikitenko V.I.	DS-4P/9, AB-1O/3
Molodkin V.B.	BP-10P/36, BP-10P/35,	Nikitin S.A.	AB-1O/5
	BP-10P/34, BA-L4	Nikitov S.A.	AQ-7P/6, AQ-7P/5, AQ-7P/4
Mordyuk B.N.	EC-2O/1	Nikitushkin D.S.	BP-10P/3
Morgun A.A.	BP-10P/12	Nikolaenko T.	DP-9P/31
Morosov A.I.	CP-1P/8	Nikolaev A.V.	EP-5P/9
Morosov I.A.	CP-1P/8	Nikolaev V.G.	ER-11P/28
Morozova E.N.	CQ-12P/17	Nikolaychuk G.A.	EQ-8P/24
Moyseenko V.A.	DA-8O/3	Nikonorova N.I.	BQ-10P/15
Mozhyrovskiy M.V.	DS-4P/10	Nikulin Yu.V.	EC-2O/3, DR-2P/1
Muhortov V.	EB-7O/2	Nizhelskiy N.A.	CP-1P/32
Mukhin A.A.	BB-5O/4	Nizkova A.I.	BP-10P/35, BA-L4
Mulyukov Kh.Ya.	AP-6P/3, BC-6O/4	Norden D.V.	BR-3P/26
Muradov M.B.	ER-11P/11	Nosach D.V.	ER-11P/31
Murillo N.	EC-2L/2	Novikov Yu.N.	BQ-10P/4
Murtazaev A.K.	DQ-2P/11	Novitskii N.N.	DA-8O/10, BP-10P/16
Murtazin R.R.	CP-1P/18		
Musabirov I.I.	AP-6P/3	O	
Muzafarov A.M.	BQ-10P/15	Obuch A.I.	CQ-12P/9
Muzhev V.	ER-11P/32	Ochoa-Gamboa R.	BC-6O/3
Myagchenko Yu.O.	ER-11P/8	O'Connor C. J.	BR-3P/31
Mycyuk B.M.	BR-3P/29	Odintsov B.M.	ER-11P/34
Mykaylo O.A.	EP-5P/26	Odzhaev V.B.	BQ-10P/8, BP-10P/7
Mykhailenko O.V.	BP-10P/44	Ohtsuka M.	AP-6P/2
Mykolaychuk O.G.	DP-9P/21	Okhotnikov K.S.	CQ-12P/17
Mykulanynets–Meshko O.S.	DS-4P/20	Oksenenko V.A.	AP-6P/9
Myronova S.F.	CP-1P/1	Ol'khovik L.P.	DC-10O/6, BP-10P/13,
Mytsyk B.G.	EA-4O/3		ER-11P/24
N		Oleynik S.S.	DP-9P/11
Nadutov V.M.	EC-2O/1, DQ-2P/5, DQ-2P/4,	Olikhovskii S.I.	BP-10P/36, BP-10P/34, BA-L4
	DQ-2P/3, DQ-2P/2, DQ-2P/1, BP-10P/9	Oliynik V.	EQ-8P/23
Nagornaya L.L.	DP-9P/9, DP-9P/8, DP-9P/6,	Olshanetsky B.Z.	DQ-2P/9
	DP-9P/5	Olszewski M.	CQ-12P/10
Nagorniy P.	ED-9O/3, DP-9P/31	Omori T.	AP-6P/1
Nakanishi Y.	ED-9O/6	Onanko A.P.	AP-6P/28, AP-6P/27
Nakhodkin N.G.	BP-10P/18	Onanko Y.A.	AP-6P/28, AP-6P/27
Nan C.W.	BB-5O/2	Onishchenko G.	DP-9P/6
		Orel S.M.	CQ-12P/4, DB-12O/2, AP-6P/19

Orlov A.....	AA-L3	Pernod Ph.....	DS-4P/5, AP-6P/35, AP-6P/14, AP-6P/13, AP-6P/12, AP-6P/11, BC-6O/5
Orlov A.F.....	CA-3O/7	Perov E.P.....	AP-6P/2
Oshkaderov S.P.....	BD-11L/1, BP-10P/23, ER-11P/32	Perov N.S.....	DC-10O/9, DQ-2P/13, CA-3O/7, AA-L3
Osipov A.V.....	EQ-8P/22	Pervov V.S.....	BP-10P/32
Osipova I.V.....	CQ-12P/20	Peshkova V.N.....	ER-11P/5
Osminkina I.A.....	BP-10P/20	Petrakovskaya E.A... CQ-12P/20, CQ-12P/19	
Ostrovskij I.P.....	EA-4O/3	Petrenko O.A.....	CQ-12P/2
Ota H.....	EA-4O/2	Petrov D.A.....	EQ-8P/22
Ota T.....	EA-4O/2	Petrov G.S.....	CP-1P/36, CP-1P/35
Ovanesyan N.S.....	EA-4O/5	Petrov M.I.....	CA-3O/3
Ovcharenko A.I.....	CQ-12P/16, CQ-12P/15, CQ-12P/14	Petrov V.M.....	EP-5P/5, EP-5P/1, BB-5O/2
Ovchinnikov S.G.....	CP-1P/34, CP-1P/27, DQ-2P/10, DQ-2P/9, CA-3O/1, BR-3P/21, AB-1L/1	Petrov V.V.....	EQ-8P/24
Overko N.E.....	DR-2P/4	Petrova O.B.....	DS-4P/12
Ovsiyenko I.....	BP-10P/47, BP-10P/46	Petrova S.A.....	DC-10O/5
Ozhogin V.I.....	AP-6P/11	Petrychuk M.V.....	BR-3P/18, BP-10P/12, BP-10P/11, BP-10P/10
P		Petukhov V.Yu.....	ER-11P/33
Palistrant N.....	BQ-10P/14, ER-11P/13	Pierna A.R.....	EC-2L/2
Palpant B.....	DS-4P/14	Pikalov A.I.....	ER-11P/27
Panarin V.E.....	DQ-2P/4, BP-10P/31	Piletska E.V.....	ER-11P/15, ER-11P/14
Panikarskaya V.D.....	DP-9P/15, ER-11P/10	Piletsky S.A.....	ER-11P/1
Pankov V.....	BP-10P/8	Pilipenko G.....	ER-11P/12
Pankratov N.Yu.....	AB-1O/5	Pilyugin V.P.....	DC-10O/5
Papirova I.I.....	ER-11P/27	Pimenov Yu.N.....	ER-11P/18, ER-11P/17
Park Ch.....	AQ-7P/4	Pirozhenko L.A.....	ER-11P/27
Park J.S.....	BR-3P/8	Pisarev R.V.....	EA-4O/1
Park S.Y.....	BR-3P/8	Piskunov N.A.....	BP-10P/17
Park Y.-S.....	BP-10P/25	Piven L.A.....	DP-9P/26
Parkhomenko S.V.....	DS-4P/13	Platonov V.I.....	BP-10P/4
Parshin A.S.....	DQ-2P/9	Plokhov D.I.....	BP-10P/4
Pashchenko A.V.....	CA-3O/4, BR-3P/14, BR-3P/2	Podyalovskiy D.Y.....	BR-3P/29
Pashchenko V.P.....	CA-3O/4, BR-3P/39, BR-3P/14, BR-3P/8, BR-3P/2	Pogibko V.M.....	EP-5P/18
Pashkevich M.V.....	BP-10P/16	Pogorelov A.E.....	AP-6P/23, BP-10P/41
Pashkevich Yu.G.....	CQ-12P/4, DB-12O/2, AP-6P/19, BP-10P/42, BB-5O/5, BA-L3	Pogoriliy A.N. CQ-12P/12, DR-2P/3, CA-3L/4, BR-3P/31, BR-3P/29, BR-3P/1	
Patrin G.S.....	DS-4P/7, CA-3O/5, BR-3P/12	Pogrebn'yak S.V.....	CQ-12P/14
Patrin K.G.....	BR-3P/12	Pokatilov V.S.....	EC-2L/3, BB-5O/3
Patrusheva T.N.....	C BR-3P/12	Pokatilov V.V.....	EC-2L/3, BB-5O/3
Paulmann C.....	BR-3P/19	Pokhabova I.....	ER-11P/12
Pavlishko H.M.....	BD-11O/3	Pokoev A.V.....	AB-1O/4
Pavlov E.S.....	AQ-7P/5	Pokrovskii V.Ya.....	EP-5P/12
Pavlov V.V.....	EA-4O/1	Poliakov V.V.....	DR-2P/2
Pavluchenko O.S.....	ER-11P/6	Polishuk V.S.....	DR-2P/26, DR-2P/25
Pavlyk L. P.....	BR-3P/38	Polovina O.I.....	AP-6P/27
Payen Ch.....	BB-5O/5	Polulyakh S.N.....	DB-12O/1, BR-3P/25, BC-6O/5
Pchelkina Z.....	CP-1P/34	Polushenko O.L.....	CP-1P/32
Pchelyakov O.P.....	DQ-2P/9	Polyakov O.....	DP-9P/32
Penskoy P.K.....	BP-10P/26	Polyakov P.I... AP-6P/38, AP-6P/29, BR-3P/5	
Perekos A.E.....	AP-6P/7	Polyakova K.P.....	BR-3P/12
Perekos A.O.....	EC-2O/1, BP-10P/9	Polzikova N.I.....	EP-5P/10, DA-8O/8
Perekrestov V.I.....	BP-10P/28	Pomyjakushina E.....	BA-L3
		Ponomarenko V.I.....	EQ-8P/21
		Popenko N.A.....	CQ-12P/4, DC-10O/10
		Poperenko L.V.....	DS-4P/24, DR-2P/8, ER-11P/31

Popkov A.F.	DA-8O/6, AP-6P/10	Rikken G.L.J.A.	EA-4O/5
Popov D.A.	DA-8O/6	Ríos-Jara D.	BC-6O/3
Popov V.V.	EQ-8P/21	Risovany V.D.	BA-L1
Popov Yu.F.	BB-5O/6, BB-5O/4	Ritter U.	ER-11P/26
Popova M.N.	ER-11P/35, ER-11P/34	Robu S.	BQ-10P/14, ER-11P/13
Popova O.I.	DQ-2P/15	Rodaev V.V.	BQ-10P/1
Popović D.	EP-5P/17	Rodionova T.V.	BP-10P/18
Porsev V.E.	ER-11P/33	Rogaleva N.S.	ER-11P/7
Postivey N.S.	DP-9P/36	Romanova O.B.	BR-3P/30
Postol P.N.	AP-6P/37	Romanyuk R.R.	DP-9P/21
Potapov A.P.	DR-2P/6	Romashev L.N.	DS-4P/6, BR-3P/33
Pozdeev V.V.	ER-11P/33	Rössler U.K.	BP-10P/6
Preobrazhensky V.L.	DS-4P/5, AP-6P/35, AP-6P/14, AP-6P/13, AP-6P/12, AP-6P/11, BC-6O/5	Roy E.J.	ER-11P/34
Prilipko S.Yu. ...	CA-3O/4, BR-3P/14, BR-3P/2	Rozanov K.N.	EQ-8P/22
Prilipko Yu.S. .	EP-5P/11, BR-3P/14, BR-3P/2	Rubish V.M.	EP-5P/26, DS-4P/20
Prisedskij V.V.	DR-2P/24, DR-2P/23	Rud' O.D.	EC-2O/1
Prokhorov V.G.	BR-3P/8	Rudenko V.V.	AP-6P/35, AP-6P/11, BC-6O/5
Prokopenko V.K.	CA-3O/4, BR-3P/14, BR-3P/2	Rudko G.Yu.	BP-10P/19
Prokopov A.R.	DC-10O/13	Rudnitskaya I.I.	BP-10P/35
Pronin A.A.	BB-5O/4	Rumyantsev V.V.	AQ-7P/8
Prosolovich V.S.	DP-9P/23	Runov V.V.	AB-1O/4
Prozorova L.A.	CQ-12P/2	Runova M.K.	AB-1O/4
Prudnikov V.N.	DQ-2P/13	Rusanov E.B.	CQ-12P/7
Prudnikov A.M.	DS-4P/23	Ruzhitskaya T.V.	AP-6P/7
Prudnikova E.L.	BP-10P/49	Ryabchenko S.M.	BP-10P/15
Prylutska S.V.	ER-11P/26	Ryabchikov Yu.V.	DP-9P/29, BP-10P/20, BP-10P/17, ER-11P/29
Prylutsky Yu.I.	BP-10P/44	Ryabushko V.I.	ER-11P/28
Prysyazhnyuk V.	DR-2P/29	Ryakhova O.G.	AP-6P/16
Pshestanchik V.R.	BP-10P/26	Ryasnyanskiy A.I.	DS-4P/14
Pud S.A.	BR-3P/18	Rybalka I.A.	DP-9P/34
Pudonin F.A.	DC-10O/7, CA-3O/6	Rybin D.S.	ER-11P/33
Pushin V.G.	AP-6P/5, AP-6P/4, AP-6P/2	Ryumshyna T.A.	AP-6P/39, AP-6P/29
Pushkarev V.E.	DP-9P/29	Ryzhikov V.D.	DP-9P/34
Pushkareva T.A.	DR-2P/1	Ryzhov V. A.	CA-3L/3
Puzikov V.M.	DP-9P/3, DP-9P/1, BR-3P/20		
Puzyrev M.V.	BQ-10P/2	S	
Pyatakov A.P.	EP-5P/9, EP-5P/2, BB-5O/6, BB-5O/4, BB-5L/1	Sabirov A.V.	AP-6P/36
Pylnov Yu.V.	AP-6P/13, AP-6P/12	Saenko G.V.	DR-2P/5, DQ-2P/12
Pysarsky V.P.	BQ-10P/7	Safonova A.M.	BP-10P/40
R		Sakhno L.A.	ER-11P/28
Raevskii A.O.	EP-5P/10, DA-8O/8	Sakun T.N.	CP-1P/14, DP-9P/25
Ramstad A.	DQ-2P/15	Sakun V.P.	DP-9P/33
Rasing Th.	EB-7O/2, EB-7O/1	Salazkin S.N.	BD-11O/2
Ravlik A.G.	EC-2O/4, DR-2P/4, BR-3P/37	Saley V.S.	EP-5P/11
Razumov O.N.	DR-2P/3	Salo V.I.	DP-9P/3
Real J.A.	AP-6P/20	Samar A.V.	AB-1O/1, AB-1L/2
Repetsky S.P.	BR-3P/32	Samodurov A.A.	BP-10P/51
Reshetnyak S.A.	EQ-8P/6, DA-8O/2	Samofalov V.N.	EC-2O/4, DR-2P/4
Reshetnyk O.V.	BP-10P/34	Samoylov A.M.	BQ-10P/13, BQ-10P/12
Revenko Yu.F.	CP-1P/29, BR-3P/39, BR-3P/14, BR-3P/2	Samoylov A.V.	ER-11P/3, ER-11P/2
Riabinkina L.I.	BR-3P/30	Sanchez J.-P.	CQ-12P/2
Rigan M.Yu.	EP-5P/26	Sänger I.	EA-4O/1
		Sapiga A.V.	CQ-12P/10
		Satulu V.	ER-11P/30
		Saurov A.N.	BP-10P/49
		Savchenko A.S.	AQ-7P/3
		Savchenko I.O.	DC-10O/11

Savchuk A.I.....	DC-100/10	Shekhovtsov L.V.....	CP-1P/30
Savin Yu.N.DP-9P/11, DP-9P/10, ER-11P/19, ER-11P/9		Shekhtman V.Sh.....	BR-3P/6
Savytskii D.....	BR-3P/19	Shelest V.V.....	AP-6P/34
Scharff P.....	ER-11P/26	Sheludchenko B.V.....	BP-10P/36, BP-10P/34
Scheib P.....	BB-5O/5	Sheludko V.....	ED-9O/3
Scherbatskii V.....	ED-9O/3, DP-9P/32, DP-9P/19	Shempel N.....	BQ-10P/8
Schilinsky P.....	DS-4P/27	Shemyakov A.A.....	CA-3O/4, BR-3P/14, BR-3P/2
Schneider T.....	DA-8O/4	Shepeliavyi P.E.....	BP-10P/19
Schulichkii B.G.....	BP-10P/49	Shershukov V.M.....	DP-9P/15, DP-9P/2
Sedykh V.....	BR-3P/6	Sherstyuk N.....	EB-7O/2
Selegenev E.M.....	DP-9P/27, DP-9P/26	Shevchenko A.....	DS-4P/2
Selemir V.D.....	BP-10P/4	Shevchenko G.....	BP-10P/47
Semenov A.L.....	AP-6P/25	Shevchenko N.....	BP-10P/47
Semenov A.V.....	BR-3P/20	Shevchenko O.G.....	BR-3P/20
Semenov D.V.....	DQ-2P/3	Shevchenko V.....	ER-11P/32
Semenov S.V.....	DS-4P/19	Shevtsov N.I.....	DP-9P/35
Semenova Yu.S.....	AP-6P/6	Shevtsova T.N.....	BP-10P/42
Sementsov Yu.I.....	BP-10P/48	Shilov G.V.....	EA-4O/5
Semirov A.V.....	AP-6P/25	Shirokova G.I.....	BR-3P/28, BR-3P/27
Semuk E.Yu.....	DR-2P/13	Shirshov Yu.M.....	ER-11P/3
Seomoon K.....	EQ-8P/25	Shiryaev S.....	BA-L3
Serebryannikov S.V.....	EQ-8P/19	Shishkin O.V.....	DP-9P/14
Seredenko R.F.....	BP-10P/34	Shitov A.A.....	EQ-8P/16
Seredkin V.A.....	DS-4P/8	Shkotova L.V.....	BD-11O/3
Serga A.A.....	DA-8O/4, DA-8L/3	Shlapatskaya V.V.....	DP-9P/20
Sergeev F.O.....	EP-5P/10, AP-6P/18	Shneyder E.I.....	CP-1P/27
Sergeev N.A.....	CQ-12P/10	Shochovets S.V.....	BQ-10P/2
Sergeeva L.M.....	ER-11P/15, ER-11P/14, ER-11P/1	Shokurov V.S.....	ER-11P/27
Sergeyeva T.A.....	ER-11P/15, ER-11P/14, ER-11P/1	Shostak R.I.....	EP-5P/21
Sergienko Z.P.....	DP-9P/7	Shpak A.P.....	EP-5P/26, BP-10P/41, BA-L4, AB-1O/7
Sergutkina O.R.....	BP-10P/39	Shpilevskaja L.E.....	BP-10P/40
Serikov V.V.....	DQ-2P/8	Shpilevsky E.M.....	BP-10P/43
Sesé J.....	DQ-2P/10	Shpilevsky M.E.....	BP-10P/43
Shabat M.M.....	EQ-8P/4, EQ-8P/3, EB-7O/3	Shtaerman E.Ya.....	AQ-7P/8, AP-6P/32
Shabunina G.G.....	BR-3P/26, BR-3P/23	Shtets P.P.....	DS-4P/20
Shakov A.A.....	ER-11P/33	Shtitel'man Z.V.....	DP-9P/35
Shalaev R.V.....	DS-4P/23	Shubin A.B.....	BP-10P/3
Shalygin A.N.....	EB-7L/4	Shul'gin V.F.....	CQ-12P/9, CQ-12P/8, CQ-12P/7, CQ-12P/5
Shamsutdinov M.A.....	CP-1P/12	Shulika V.V.....	DR-2P/6
Shang S.....	DS-4P/26	Shulimov Yu.G.....	AP-6P/21, BR-3P/36
Shapaeva T.B.....	CP-1P/11	Shull R.D.....	DS-4P/9, AB-1O/3
Shapiro A.J.....	DS-4P/9, AB-1O/3	Shumilov A.....	DS-4P/4
Sharafutdinova D.R.....	ER-11P/33	Shuravin A.S.....	EQ-8P/22
Shatilo Ya.V.....	BP-10P/32	Shurina E.V.....	DC-10O/6
Shauchenka S.V.....	CP-1P/36, CP-1P/35	Shust V.A.....	EP-5P/2
Shavrov V.G...EQ-8P/12, AP-6P/10, AP-6P/5, AP-6P/4, AP-6P/3, AP-6P/2, BC-6O/4		Shvets O.M.....	BP-10P/29
Shaykhutdinov K.A.....	CA-3O/3	Sidorenko A.V.....	ED-9O/2
Shcheglov V.I..EQ-8P/10, EQ-8P/9, EQ-8P/8, EQ-8P/7		Sidorov S.L.....	CP-1P/28
Sheglov V.I.....	EQ-8P/12	Sidorova E.N.....	DC-10O/9
Sheka D.D.....	DC-10O/4, DA-8O/9	Sigov A.S.....	CP-1P/8, EB-7O/2
Shekera O.....	ER-11P/32	Sinyakina S.A.....	AP-6P/39
Shekhovtsov A.N.....	DP-9P/1, BP-10P/30	Sipatov A.....	CP-1P/31
		Siryuk Ju.A.....	DR-2P/11, AB-1O/2
		Sitnikov A.V.....	BP-10P/15
		Sivtsov S.V.....	ER-11P/27

Sizov F.F.	BQ-10P/11	Stupak V.A.	BQ-10P/5
Sizova Z.I.	DC-10O/6	Suga H.	DC-10O/11
Skakunova E.S.	BP-10P/36	Sukhachov A.L.	DS-4P/8
Skatkov L.	BP-10P/14	Sukhorukov A.P.	DS-4P/11
Skibinsky K.M.	AP-6P/15	Sukhovskiy A.A.	CQ-12P/11
Skobik A.P.	DR-2P/3	Sukmanov V.A.	AP-6P/36
Skokov K.P.	AB-1O/5	Surovceva E.R.	ER-11P/3
Skrypnyk Y.	BA-L2	Sushkevich A.V.	CP-1P/36
Skryshevskiy V.A.	AP-6P/21, BP-10P/21	Svechnikov S.V.	ED-9O/6
Slavin A.N.	DA-8O/5, DA-8O/3, DA-8L/2	Svetchnikov V.L.	BR-3P/8
Sliva T.Yu.	DP-9P/33, DP-9P/32	Svezhentsova K.V.	BQ-10P/11
Slyusarev V.V.	AP-6P/38	Svystunov Ye.O.	EC-2O/1, DQ-2P/4, DQ-2P/3, DQ-2P/2, BP-10P/9
Smagin N.V.	AP-6P/13, AP-6P/12	Synorov Y.V.	BQ-10P/13
Smirnov A.I.	CQ-12P/2	Syvorotka I.I.	DR-2P/19
Smirnov D.O.	EQ-8P/19	Syvorotka I.M.	DR-2P/19
Smirnov O.P.	CA-3L/3, AB-1O/4	Szymczak H.	BR-3P/10, BR-3P/9
Smirnova N.P.	DP-9P/20		
Smyntyna V.A.	BP-10P/24	<i>T</i>	
Sobol' O.V.	BP-10P/1	Tagirov L.R.	BR-3P/35, BR-3P/34
Söderberg O.	BC-6O/2	Takagi T.	AP-6P/1
Sofronov D.S.	DP-9P/14	Takahashi M.	EA-4O/2
Sohatsky V.	BR-3P/36	Tang J.	BR-3P/31
Sokolov A.E.	DS-4P/8	Tankut O.	ER-11P/23
Sokolov S.A.	AP-6P/36	Tanygin B.M.	DR-2P/16, DR-2P/15, DR-2P/14
Sokolovskii M.L.	AQ-7P/7	Tarasenko O.S.	AQ-7P/10
Soldatkin A.A.	ER-11P/5	Tarasenko S.O.	ER-11P/25
Soldatkin A.P.	ER-11P/6, ER-11P/5	Tarasenko S.V.	AQ-7P/10, AQ-7P/3, AP-6P/17
Soldatkin O.P.	BD-11O/3	Tarasenko T.N.	BR-3P/17, BR-3P/16
Soldatkin O.O.	ER-11P/6	Tarasov V.A.	DP-9P/37, DP-9P/30, DP-9P/18, DP-9P/17, DP-9P/2
Sommer J.-U.	CP-1P/24	Tarenkov V.Yu.	CP-1P/29, CP-1P/28, CA-3L/2, BR-3P/39, BR-3P/13
Sopinskyy N.V.	BQ-10P/10	Tartakovskaya E.	BP-10P/5
Sorokin Yu.V.	CQ-12P/13	Taskaev S.V.	BC-6L/1
Sosin S.S.	CQ-12P/2	Tatarenko A.A.	DQ-2P/2
Soto-Parra D.E.	BC-6O/3	Tatarenko V.A.	BR-3P/32
Spiridonov N.A.	EP-5P/19, EP-5P/18	Tataryn T.	BR-3P/19
Spitaler J.	CP-1P/34	Tatsenko O.M.	BP-10P/4
Spuskanyuk V.Z.	AP-6P/30, BR-3P/2	Taya S.	EB-7O/3
Srinivasan G.	EP-5P/6, EP-5P/5, EP-5P/1, BB-5O/2	Telegin A.V.	BR-3P/4
Starodub V.A.	CQ-12P/6	Temerov V.L.	DS-4P/8
Starzhinskiy N.	ED-9O/1, DP-9P/13, DP-9P/9, DP-9P/5	Terekhov S.A.	AP-6P/37
Stashenko S.I.	DP-9P/33, DP-9P/32	Tiberkevich V.S.	DA-8O/5, DA-8L/2
Stashkevich A.A.	DA-8O/10	Tiercelin N.	DS-4P/5
Stefanovich L.I.	CP-1P/22	Tikhomirov O.A.	DS-4P/9
Stefanovich V.A.	EP-5P/26	Tikhonov E.V.	DP-9P/29
Stepanov A.L.	DS-4P/14	Tikhonovsky M.A.	ER-11P/27
Stepin S.G.	BR-3P/9	Timchenko I.	ER-11P/23
Stingaciu M.	BA-L3	Timopheev A.A.	BP-10P/15
Stogney O.V.	BP-10P/15	Timoshenko V.Yu.	BP-10P/20, BP-10P/17, ER-11P/29
Stognij A.I.	DA-8O/10, BP-10P/16	Titov Yu.	DP-9P/19
Stolyarov R.A.	BP-10P/51	Tiunov V.F.	DQ-2P/7
Strelkov N.S.	ER-11P/33	Tkachenko M.V.	DR-2P/21, ER-11P/24
Stronski O.V.	BQ-10P/10	Tkachenko S.	DP-9P/5
Strugatsky M.B.	CP-1P/13, DR-2P/24, DR-2P/23, DP-9P/36, AP-6P/15	Tkachenko V.F.	DS-4P/13, BP-10P/30
Struzhkin V.V.	BB-5L/2		
Stryganyuk G.B.	DP-9P/12		

Todoran D.....	DS-4P/15	Vara G.....	EC-2L/2
Todoran R.....	DS-4P/15	Varchuk O.N.....	ER-11P/21
Todris B.M.....	CP-1P/20	Varnakov S.N.....	DQ-2P/10
Tolmachev A.V.....	ED-9O/4, DS-4P/13, DP-9P/10, DP-9P/7, BP-10P/30, ER-11P/19	Varyukhin D.V.....	CP-1P/29, CP-1P/20
Tolstik A.L.....	DS-4P/11	Varyukhin V.N.....	DS-4P/23, DC-10L/1, AP-6P/30, AP-6P/26, CA-3O/4, BR-3P/14, BR-3P/2
Tolstykh P.V.....	BQ-10P/2	Vashkovsky A.....	EQ-8P/5, DA-8O/7
Tolstykh V.P.....	BQ-10P/2	Vashpanov Yu.A.....	ER-11P/4
Tomilova L.G.....	DP-9P/29	Vasileska D.....	DS-4P/27
Tovstolytkin A.I.....	CQ-12P/3, CA-3L/4, BR-3P/17, BR-3P/2, BR-3P/1	Vasilets G.Y.....	CQ-12P/6
Train C.....	EA-4O/5	Vasilovskiy S.G.....	BR-3P/11
Tripol'skaya T.....	ER-11P/12	Vasilyeva N.D.....	EP-5P/13
Troaynchuk I.O.....	CA-3L/3	Vasko E.I.....	DR-2P/28
Trofimchuk E.S.....	BQ-10P/15	Vasyliiev A.V.....	CP-1P/33
Troitskaya E.P.....	AP-6P/32	Vasyuchka V.I.....	DA-8O/3
Trojan I.A.....	BB-5L/2	Vdovichev S.N.....	DC-10O/3
Trotsenko P.A.....	BP-10P/15	Vedyayev A.V.....	EB-7L/4
Trukhan V.M.....	BR-3P/22	Velikanov D.A.....	DS-4P/7, CA-3O/5, BR-3P/12
Trukhanov A.V.....	BR-3P/11, BR-3P/10, BR-3P/9	Venger E.F.....	CP-1P/30, ER-11P/3
Trukhanov S.V.....	CA-3L/3, BR-3P/17, BR-3P/11, BR-3P/10, BR-3P/9	Venhlyovska S.....	DR-2P/29
Trush Y.V.....	CQ-12P/8	Verdaguer M.....	EA-4O/5
Tsaregradskaya T.L.....	DR-2P/5, DQ-2P/12	Vertegel I.G.....	CQ-12P/16, CQ-12P/15, CQ-12P/14
Tsikalov V.S.....	CA-3O/3	Veselago V.G.....	EB-7L/1
Tsurikova Yu.A.....	DR-2P/21	Vidayj Yu.T.....	DP-9P/37, DP-9P/18, DP-9P/17, DP-9P/3, DP-9P/2
Tsurkan V.....	BB-5O/5	Vidóczy T.....	DP-9P/22
Tsvetkova O.....	DP-9P/16	Viehländ D.....	BB-5O/2
Tupitsyna I.A.....	DP-9P/8, DP-9P/6	Vinnichenko K.L.....	DR-2P/8
Turchenko V.A.....	BR-3P/14	Vinogorodsky D.F.....	EQ-8P/21
Turik N.V.....	AP-6P/25	Vinogradov A.....	DS-4P/4
Turkov O.V.....	DR-2P/5, DQ-2P/12	Vinogradov A.N.....	BR-3P/4
Turpanov I.A.....	DS-4P/7	Vinogradov A.P.....	EQ-8P/1, EB-7L/3, AA-L3
Tychko O.V.....	DS-4P/10, DR-2P/16, DR-2P/15, DR-2P/14	Vishnevskii V.....	DS-4P/4, DS-4P/3, DR-2P/12
U		Vitjuk N.V.....	DP-9P/20
Ubizskii S.B.....	DR-2P/19, BR-3P/38	Vladimirov A.G.....	DR-2P/2
Uematsu D.....	EA-4O/2	Vladimirova T.P.....	BP-10P/34
Ulyanov A.N.....	DS-4P/23	Vlas'uk A.....	AQ-7P/4
Useinov A.N.....	BR-3P/35	Vlasenko A.I.....	DS-4P/25
Useinov N.Kh.....	BR-3P/34	Vlasov V.S.....	EQ-8P/12
Ushakova I.V.....	EP-5P/15	Vlasova T.A.....	AP-6P/35, BR-3P/26
Ushakova Yu.N.....	BR-3P/28, BR-3P/27	Vnukova N.G.....	CQ-12P/20, CQ-12P/19
Ushenin Yu.V.....	ER-11P/3, ER-11P/2	Voinash V.Z.....	BP-10P/9
Usol'tseva N.V.....	EP-5P/27	Volkov N.V.....	CA-3O/3, BR-3P/12
Uspenskaya L.....	DR-2P/18, DR-2P/17	Volobuev V.....	CP-1P/31
Ustinov A.B.....	EQ-8P/2, EP-5P/6	Voloshin A.....	ER-11P/23
Ustinov V.V.....	DS-4P/6, BR-3P/33	Voloshina L.I.....	DP-9P/27, DP-9P/26
Uvarov V.N.....	AP-6P/9	Voloshinovskii A.S.....	DP-9P/12
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Vakhitov R.M.....	CP-1P/23, AP-6P/16	Vorob'ev G.P.....	BB-5O/6, BB-5O/4
Vakhrushev S.B.....	CQ-12P/11	Vorobyev M.D.....	CQ-12P/18
Valakh M.Ya.....	DC-10L/2	Vorohobov V.....	DC-10O/12
Valkov V.I.....	CP-1P/21, CP-1P/20, CP-1P/19	Voronin V.A.....	BQ-10P/9
		Voronina E.V.....	DQ-2P/13
		Voronkin Ye.F.....	DP-9P/34
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		Voronov V.N.....	EP-5P/28

Vorontsov A. S. BP-10P/20
 Vostretsov Yu. Ya. DP-9P/8
 Vovchenko L. EQ-8P/23, BP-10P/47,
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 Vovk A. BR-3P/31, BP-10P/5
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 Vyshivanaya I. G. BR-3P/32
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Yablonskaya Yu. E. CQ-12P/11
 Yablonsky S. V. EP-5P/27
 Yagupov S. V. DP-9P/36
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 Yakovenko O. V. ER-11P/33
 Yakovlev D. R. EA-4O/1
 Yakovlev S. V. EQ-8P/24, EQ-8P/14
 Yang C. - E. DS-4P/26
 Yankovski Yu. N. DP-9P/23
 Yankovsky O. N. BQ-10P/8, BP-10P/7
 Yanushkevich K. I. BR-3P/30, BR-3P/16,
 BP-10P/49, BP-10P/16
 Yarkin D. G. CA-3O/7
 Yarmoluk S. M. ER-11P/8
 Yarysh V. V. DQ-2P/12
 Yashchuk V. M. DC-10O/11, ER-11P/8
 Yatsenko A. A. EP-5P/25, EP-5P/23, EP-5P/20
 Yatsenko A. V. CQ-12P/14, EP-5P/25,
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 Yavetskiy R. P. DS-4P/13, DP-9P/7
 Yavorsky M. A. AQ-7P/9
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 Yelsukova A. E. DQ-2P/13
 Yermolayeva Yu. V. DP-9P/7
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 Yevstafyev A. I. AP-6P/35
 Yin S. DS-4P/26
 Yu M. BP-10P/5
 Yudaev D. N. CQ-12P/18
 Yumaguzin A. R. CP-1P/23
 Yurchenko V. M. AQ-7P/10
 Yurkevych O. V. EA-4O/3
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 Zabolotin A. E. EB-7O/1
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 Zagrebin M. A. BC-6L/1
 Zaitsev A. EB-7O/2
 Zakharchenko S. I. CA-3O/4
 Zakharov A. V. BA-L1
 Zakharov D. I. AP-6P/2
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 Zakoretskaya T. AP-6P/30
 Zalutskiy V. P. BP-10P/9
 Zaspel C. E. EQ-8P/11, BP-10P/2
 Zavidoveev A. AP-6P/30
 Zavjalova L. V. ED-9O/6
 Zavora L. N. DP-9P/15, ER-11P/10
 Zavorotnev Yu. D. DR-2P/20
 Zayats N. S. BQ-10P/10
 Zdor E. V. DP-9P/35
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 Zemlyanoy A. D. BQ-10P/7
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 Zemtsov L. M. DC-10O/9
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 Zenya I. ED-9O/1
 Zharova M. A. EP-5P/27
 Zhdan P. A. BP-10P/3
 Zhdanok S. A. BP-10P/43
 Zhenzhera A. V. DR-2P/21
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 Zhukov A. EC-2L/2, EC-2L/1
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 Zhuravkov A. BP-10P/45
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 Zinenko V. I. CA-3O/7
 Zinovik E. V. DR-2P/24, DR-2P/23, DR-2P/22
 Zinovik M. A. DR-2P/24, DR-2P/23, DR-2P/22
 Zinyo S. A. ER-11P/3
 Zinyuk A. I. ER-11P/20
 Znovjyak K. O. DP-9P/33, DP-9P/32
 Zub V. Ya. CQ-12P/9
 Zubkov V. I. EQ-8P/10, EQ-8P/9, EQ-8P/8
 Zubov E. E. CP-1P/1
 Zvezdin A. K. EP-5P/2, EB-7L/2, DS-4P/1,
 BP-10P/4, BB-5O/6, BB-5O/4, BB-5L/1
 Zybtssev S. G. EP-5P/12
 Zyman Z. Z. ER-11P/24

