International Workshop on Chemical Crystallography and Structural Biology
"The Fourth Struchkov Meeting"
dedicated to the Centenary of Yuri T. Struchkov birthday

Scientific Program

https://struchkovprizeassociation.org/the-4th-struchkov-meeting-2026/

Monday November 16, 2026 (Ordzhonikidze Street, 3, *Science Faculty Club*)

	Workshop Opening
9 30–9 40	***Victor N. Khrustalev*** (Chair of Organizing Committee)
9 40–9 45	***Sergey M. Aldoshin*** (Co-Chair of Program Committee)
9 45–9 50	***Igor L. Eremenko*** (Co-Chair of Program Committee)
9 50–9 55	***Andrei V. Shevelkov*** (Member of Program Committee)
9 55–10 00	***Igor A. Litvinov*** (FRC "Kazan Scientific Center", RAS)
Session A	**Session Chair: Victor N. Khrustalev (Moscow, Russia)**
10 00–10 45	**Historical Lecture** *Yuri Timofeevich Struchkov. On the centenary of his birth* ***Igor A. Litvinov*** Arbuzov Institute of Organic and Physical Chemistry, FRC RAS (Kazan, Russia)
10 45–11 25	**Plenary** *Crystal and electronic structure of polar intermetallic compounds – achievements and challenges on the way to functional materials* ***Andrei V. Shevelkov*** Lomonosov Moscow State University (Moscow, Russia)
11 25–12 05	**Plenary** *Synthesis, structural features, catalytic properties and biological activity of some transition metals complexes with isoxazole and isothiazole ligands* ***Vladimir I. Potkin*** Institute of Physical Organic Chemistry, NAS of Belarus (Minsk, Belarus)
12 05–12 35	**Coffee Break**
Session B	**Session Chair: Andrei V. Shevelkov (Moscow, Russia)**
12 35–13 15	**Plenary** *Structural bonanza of intermetallic phosphide platinides* ***Alexey N. Kuznetsov*** Lomonosov Moscow State University (Moscow, Russia)
13 15–13 55	**Plenary** *Synchrotron radiation facility SKIF: new capabilities for chemical crystallography in Russia* ***Yan V. Zubavichus*** Synchrotron Radiation Facility SKIF (Koltsovo-Novosibirsk, Russia)
13 55–15 00	**Lunch**
Session C	**Session Chair: Vladimir I. Potkin (Minsk, Belarus)**
15 00–15 30	**Keynote** *New chitosan-based polymers* ***Andreii S. Kritchenkov*** Institute of Technical Acoustics, NAS of Belarus (Vitebsk, Belarus)
15 30–15 50	**Oral** *Weak interactions in directing molecular conformation and crystal packing of some azole 3a,6-epoxyisoindole-7-carboxyliates* ***Irina A. Kolesnik*** Institute of Physical Organic Chemistry, NAS of Belarus (Minsk, Belarus)
15 50–16 20	**Coffee Break**

Session D	Session Chair: Alexey N. Kuznetsov (Moscow, Russia)
16 20–16 50	**Keynote** *Asymmetric metal-templated synthesis of non-proteinogenic α-amino acids* ***Vladimir A. Larionov*** Nesmeyanov Institute of Organoelement Compounds, RAS (Moscow, Russia)
16 50–17 20	**Keynote** *An analytical approach to modeling small angle scattering curves for nanoparticle and hybrid systems: a case study analysis* ***Artem V. Bakirov*** National Research Center "Kurchatov Institute" (Moscow, Russia)
17 30–18 45	**Round Table** (*Lecture room 208*) ***dedicated to the 75th Birth Anniversary of Mikhail Yu. Antipin*** ***Yuri L. Slovokhotov (Moscow, Russia)***
19 00–21 00	**Welcome Cocktail**

Tuesday November 17, 2026 (Ordzhonikidze Street, 3, *Lecture room 208*)

Moscow Time • Japan+6 • China+5 • Azerbaijan+1 • Germany-2 • Portugal-3 • USA-8

Session E (online)	Session Chairs: Yan V. Zubavichus (Novosibirsk, Russia), Alexander G. Tskhovrebov (Moscow, Russia)
10 00–10 40	**Plenary** *Synthesis and structures of well-defined silsesquioxane* ***Masafumi Unno*** Gunma University (Kiryu, Japan)
10 40–11 20	**Plenary** *Synthesis and assembly mechanism of silver nanoclusters protected by thiacalix[4]arene* ***Zhi Wang*** University of Shandong (Jinan, China)
11 20–12 00	**Plenary** *Extended metal chain complexes (Ni, Co, Cr) and copper(II) coordination polymers based on modulated oligo-α-pyridylamines. Current status and perspectives* ***Rayyat H. Ismayilov*** Nagiyev Institute of Catalysis and Inorganic Chemistry (Baku, Azerbaijan)
12 00–12 40	**Plenary** *How can we trust our crystal structure solutions? Pseudo-homometry and chemical reliability in single-crystal X-ray diffraction* ***Alexander V. Virovets*** Goethe University of Frankfurt (Frankfurt am Main, Germany)
12 40–13 20	**Plenary** *MOFs and selected catalytic applications towards sustainability* ***Armando J. L. Pombeiro*** Instituto Superior Tecnico (Lisbon, Portugal)
13 20–15 00	**Lunch**
Session F (online)	**Session Chairs: Andreii S. Kritchenkov (Vitebsk, Belarus), Maxim S. Molokeev (Krasnoyarsk, Russia)**
15 00–15 40	**Plenary** *Confinement effects in metal–organic frameworks: from crystal structure to advanced functional materials* ***Brij B. Mohan*** Instituto Superior Tecnico (Lisbon, Portugal)

15 40–16 10	**Keynote** *Synthesis and crystal-chemical features of new compounds and solid solutions with the apatite structure* ***Evgeny N. Bulanov*** Lobachevsky State University (Nizhny Novgorod, Russia)
16 10–16 30	**Oral** *Synthesis, crystal structure and spectroscopic properties of the Co(III) complex with 3,5-di-tert-butylsalicylaldehyde acetylhydrazone* ***Perizad A. Fatullayeva*** Nagiyev Institute of Catalysis and Inorganic Chemistry (Baku, Azerbaijan)
16 30–16 50	**Oral** *Electrolyte-dependent crystal chemistry of silver-modified hydroxyapatite synthesized by reaction–diffusion: a powder diffraction and spectroscopic study* ***Olumakinde C. Omiyale*** ITMO University (Saint Petersburg, Russia)
16 50–17 30	**Plenary** *Charging carbon bowls, hoops, and graphene fragments with multiple electrons through the lens of crystallography* ***Marina A. Petrukhina*** University at Albany – State University of New York (Albany, USA)
17 30–18 10	**Plenary** *Current status of Pt-based 1D solids* ***Nikolay N. Gerasimchuk*** Missouri State University (Springfield, USA)

Wednesday November 18, 2026 (Ordzhonikidze Street, 3, *Science Faculty Club*)

Session G	**Session Chair: Yuri L. Slovokhotov (Moscow, Russia)**
10 00–10 40	**Plenary** *Structure and functional properties of metal-organic frameworks* ***Vladimir P. Fedin*** Nikolaev Institute of Inorganic Chemistry, SB RAS (Novosibirsk, Russia)
10 40–11 20	**Plenary** *New electrode materials for metal-ion batteries* ***Evgeny V. Antipov*** Lomonosov Moscow State University (Moscow, Russia)
11 20–12 00	**Plenary** *New materials and X-rays: what to expect when they meet?* ***Vladimir V. Chernyshev*** Lomonosov Moscow State University (Moscow, Russia)
12 00–12 30	**Coffee Break**
Session H	**Session Chair: Vladimir V. Chernyshev (Moscow, Russia)**
12 30–13 00	**Keynote** *Non-classical statistics of structural data* ***Yuri L. Slovokhotov*** Trapeznikov Institute of Control Sciences, RAS (Moscow, Russia)
13 00–13 40	**Plenary** *Obtaining high-quality X-ray crystallographic and functional states on the membrane protein bacteriorhodopsin — 10 years later* ***Valentin I. Borshchevskiy*** Moscow Institute of Physics and Technology (Moscow, Russia)
13 40–14 40	**Lunch**

Session I	Session Chair: Valentin I. Borshchevskiy (Moscow, Russia)
14 40–15 20	**Plenary** *Supramolecular cagelike metallasilsesquioxanes: structure and catalytic activity* ***Alexey N. Bilyachenko*** Nesmeyanov Institute of Organoelement Compounds, RAS (Moscow, Russia)
15 20–15 50	**Keynote** *Isomeric forms and spectral behavior of azo-compounds obtained by different methods* ***Olga V. Kovalchukova*** Kosygin State University (Moscow, Russia)
15 50–16 20	**Coffee Break**
Session J	**Session Chair: Igor A. Litvinov (Kazan, Russia)**
16 20–16 50	**Keynote** *A new approach to designing molecular rotors* ***Daut R. Islamov*** Kazan Federal University (Kazan, Russia)
16 50–17 20	**Keynote** *Cyclic Group 11 metal pyrazolates as a rigid matrix for organic structure elucidation and photophysical tuning* ***Alexei A. Titov*** Nesmeyanov Institute of Organoelement Compounds, RAS (Moscow, Russia)
17 20–17 50	**Keynote** *Control over the structure and magnetic properties of 3d-metal clusters supported by (thia)calix[4]arenes* ***Alexander S. Ovsyannikov*** Arbuzov Institute of Organic and Physical Chemistry, RAS (Kazan, Russia)
17 50–18 10	**Oral** *Aggregation-induced emission in supramolecular complexes of a bis(styryl) dye with cucurbiturils* ***Olesya V. Sulimova*** Nesmeyanov Institute of Organoelement Compounds, RAS (Moscow, Russia)

Thursday November 19, 2026 (Ordzhonikidze Street, 3, *Science Faculty Club*)

Session K	Session Chair: Olga A. Bulavchenko (Novosibirsk, Russia)
	Young scientist Session
10 00–10 20	**Oral** *Crystal structure and vibrational properties of guanidinium trans-diaquabis(malonato)aluminate(III): experimental and periodic DFT study* ***Daniil V. Kiryak*** Lomonosov Moscow State University (Moscow, Russia)
10 20–10 40	**Oral** *Interpretation of X-ray diffraction data of metal-organic framework polymers [REBTC] (RE = La-Lu, Y; BTC – $C_6H_5(COO)_3$)* ***Daniil A. Valeshnyy*** Russian Technological University MIREA (Moscow, Russia)
10 40–11 00	**Oral** *New BODIPY fluorophores with five-membered heterocycles at the meso-position: design, synthesis and crystal structure* ***Evgeniya R. Shelukho*** RUDN University (Moscow, Russia)
11 00–11 20	**Oral** *Non-covalent interactions in epoxyisoxazoloisoindol derivatives* ***Viktoriya S. Maslova*** RUDN University (Moscow, Russia)

11 20–11 40	**Oral** σ-Hole-driven interactions in phosphine selenides: structural, spectroscopic and computational studies ***Valeriya V. Mulloyarova*** Saint Petersburg State University (Saint Petersburg, Russia)
11 40–12 00	**Oral** *Specifics of evaluating the real composition of single-crystal solid solutions $[Co_{1-x}Ni_x)_3(C_6H_5(COO)_3)_2(H_2O)_{12}]$ based XRD data* ***Anton G. Mushtakov*** RUDN University (Moscow, Russia)
12 00–12 30	**Coffee Break**
Session L	**Session Chair: Alexei A. Titov (Moscow, Russia)**
12 30–13 00	**Keynote** *In situ X-ray diffraction as a basic tool to study oxide and metal oxide catalysts* ***Olga A. Bulavchenko*** Boreskov Institute of Catalysis, SB RAS (Novosibirsk, Russia)
13 00–13 30	**Keynote** *A comparative study of the effect of high-pressure and low temperature on the crystal structure of the salts of purine nucleobases* ***Anna A. Gaydamaka*** Synchrotron Radiation Facility SKIF (Koltsovo-Novosibirsk, Russia)
13 30–14 00	**Keynote** *Synthesis of platinum, palladium and rhodium-based bimetallic complexes: structural and catalytical insights* ***Ilya A. Yakushev*** Kurnakov Institute of General and Inorganic Chemistry, RAS (Moscow, Russia)
14 00–15 00	**Lunch**
Session M	**Session Chair: Mikhail A. Kinzhalov (Saint Petersburg, Russia)**
	Young scientist Session
15 00–15 20	**Oral** *Influence of molecular and crystal structure on photophysical properties in cyclometalled platinum complexes with carboxylate and pyridine ligands* ***Egor A. Sosunov*** Kurnakov Institute of General and Inorganic Chemistry, RAS (Moscow, Russia)
15 20–15 40	**Oral** *Lanthanide 1D coordination polymers with bulky cyclohexanecarboxylate ligands: synthesis, structure and properties* ***Irina A. Sabitova*** Lomonosov Moscow State University (Moscow, Russia)
15 40–16 00	**Oral** X-ray structural analysis of α-$NiSO_4 \cdot 6H_2O$ single crystals doped with low concentrations of Y^{3+} and Ti^{4+} ions ***Levko A. Arbanas*** RUDN University (Moscow, Russia)
16 00–16 30	**Coffee Break**
Session N	**Session Chair: Vladimir A. Larionov (Moscow, Russia)**
16 30–16 50	**Oral** *Metal-induced halogen bonding in Platinum-Group isocyanide complexes* ***Mikhail A. Kinzhalov*** Saint Petersburg State University (Saint Petersburg, Russia)
16 50–17 10	**Oral** *Correlation between the structure and scintillation properties of materials* ***Maxim S. Molokeev*** Kirensky Institute of Physics (Krasnoyarsk, Russia)

17 30–18 30	**Awarding the Winners for the best presentations** **Concluding remarks of the Chairmen and Members of the Program and Organizing Committees**
	Workshop Closing
19 00–22 00	**Banquet**