

## **THE FULL CONFERENCE PROGRAMME**

**“Algebra and Logic: Theory and Applications”  
dedicated to the 70th anniversary of the birth of V.M. Levchuk  
and**

**“XI School-Conference on Group Theory”  
dedicated to the 70th anniversary of the birth of A. Yu. Olshanskii**

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### **Thematic sections:**

Group theory

Rings and modules

Mathematical logic and universal algebra

Algebraic geometry

Applied and computational algebra

PROGRAMME  
International Conferences  
“Algebra and Logic: Theory and Applications”  
and  
“XI School-Conference on Group Theory”

Arrival Day

July 24, Sunday

16:00 – 18:00 Registration (Room “34-17”)

## Monday, July 25

- 08:30 – 10:00** Registration (SibFU, Svobodniy avenue, 79, Room “34-17”)
- 10:00 – 10:20** Opening, Room “БА”
- 10:25 – 11:10** *A. Yu. Olshanskii (Vanderbilt University & Moscow State University) On subnormal subgroups of free groups and sub-ideals of free Lie algebras.*
- 11:15 – 11:45** *L. L. Maksimova (Novosibirsk, IM SB RAS) Decidable properties of logics and varieties.*
- 11:45 – 12:05** Coffee break
- 12:05 – 12:50** *O. V. Kravtsova, V. M. Levchuk (Krasnoyarsk, SibFU) Problems on structure of finite quasifields and projective translation planes.*
- 12:55 – 13:40** *M. Shahriari (Iran, University of Tabriz) Algebraic sets with fully characteristic radicals.*
- 13:40 – 14:50** Lunch
- 14:50 – 15:35** *A. S. Kondratiev, V. I. Trofimov (Ekaterinburg, IMM UB RAS) A strong version of the Sims conjecture on finite primitive permutation groups.*
- 15:40 – 16:10** *V. A. Vedernikov (Moscow, MGPU), M. M. Sorokina (Bryansk, BSU) On  $F^\omega$ -projectors and  $F^\omega$ -covering subgroups of finite groups.*
- 16:10 – 16:30** Coffee break
- 16:30 – 18:30** *Section: Group theory.*
- 16:30 – 18:30** *Section: Rings and modules.*
- 16:30 – 18:30** *Section: Mathematical logic and universal algebra.*
- 16:30 – 18:30** *Section: Algebraic geometry.*
- 16:30 – 18:30** *Section: Applied and computational algebra.*
- (The section programme will be made up by section committees after the registration of participants.)
- 19:00 – 21:30** Welcome reception

## Tuesday, July 26

- 09:00 – 09:45** *S. P. Odintsov (Novosibirsk, IM SB RAS) Belnap modal logics, various approaches.*
- 09:50 – 10:35** *A. P. Pozhidaev (Novosibirsk, IM SB RAS) Simple finite-dimensional noncommutative Jordan superalgebras.*
- 10:35 – 10:55** Coffee break
- 10:55 – 11:40** *A. I. Sozutov (Krasnoyarsk, SibFU) Groups with finite elements.*
- 11:45 – 12:30** *E. A. Blagoveshchenskaya (St. Petersburg, PSTU) Parallel algorithms and the Baer-Kaplansky theorem of the theory of almost completely decomposable Abelian groups.*
- 12:35 – 13:05** *N. A. Peryazev (St. Petersburg, LETI) Multioperations and Superclones.*
- 13:05 – 14:20** Lunch
- 14:20 – 14:50** *N. V. Timofeeva (Yaroslavl, YSU) On moduli of semistable admissible pairs.*
- 14:55 – 15:25** *A. V. Treier (Omsk, IM SB RAS) Generic theories of universal classes of abelian groups.*
- 15:30 – 16:00** *O.V. Starikova (Magadan, NESU) Matrix model of quadratic forms schemes.*
- 16:00 – 16:20** Coffee break
- 16:20 – 19:00** Sections talks

## Wednesday, July 27

- 09:00 – 09:45** *P. E. Alaev (Novosibirsk, IM SB RAS) Structures, computable in polynomial time.*
- 09:50 – 10:35** *V. A. Roman'kov (Omsk, OSU) Solvability of equations for relatively free groups and Lie algebras.*
- 10:35 – 10:55** Coffee break
- 10:55 – 11:25** *V. Y. Gubarev (Novosibirsk, IM SB RAS) Universal enveloping Rota-Baxter algebras of commutative, associative pre-Lie algebras.*
- 11:30 – 12:00** *I. K. Sharankhaev (Ulan-Ude, BSU) Repetition-free and weak-repetition functions of the algebra of logic.*
- 12:00 – 13:00** Lunch
- 13:00 – 18:00** Excursion to the State Reservation “Stolby”
- 19:00 – 21:30** Banquet

## Thursday, July 28

- 09:00 – 09:45** *A. A. Makhnev, D. V. Paduchikh (Yekaterinburg, IMM UB RAS), M.M. Hamgokova (Vladikavkaz, KBSU) Automorphisms of an  $AT_4(9;3;2)$ -graph.*
- 09:50 – 10:35** *V. G. Bardakov (Novosibirsk, IM SB RAS) Non-abelian tensor products of groups.*
- 10:35 – 10:55** Coffee break
- 10:55 – 11:40** *E. I. Timoshenko (Novosibirsk, NSTU) Centralizers dimensions and universal theories of partially commutative metabelian groups.*
- 11:45 – 12:30** *V. I. Zenkov (Yekaterinburg, IMM UB RAS) On the intersections of nilpotent subgroups in finite groups.*
- 12:30 – 14:00** Lunch
- 14:00 – 14:30** *V. A. Belonogov (Yekaterinburg, IMM UB RAS) On finite groups in which all maximal subgroups are  $\pi$ -closed.*
- 14:35 – 15:20** *M. M. Glukhov (Moscow, Academy of Cryptography) Distance talk: On approximations of discrete functions by linear.*
- 15:25 – 15:55** *F. Kuzucuoglu (Turkey, Ankara, Hacettepe University) Derivations of a Matrix Ring Containing a Subring of Nilpotent Matrices.*
- 15:55 – 16:15** Coffee break
- 16:15 – 19:00** Sections talks

## Friday, July 29

- 09:00 – 09:45** *D. V. Lytkina, V. D. Mazurov (Novosibirsk, SibSUTI, IM SB RAS) Characterizations of simple linear groups in the class of periodic groups.*
- 09:50 – 10:20** *Ya. N. Nuzhin (Krasnoyarsk, SibFU) Generalized congruence subgroups.*
- 10:20 – 10:40** Coffee break
- 10:40 – 11:25** *M. Kuzucuoglu (Turkey, Ankara, METU) Centralizers in Limit Monomial Groups.*
- 11:30 – 12:00** *A. N. Shevlyakov (Omsk, IM SB RAS) Equations and algebraic sets over the semilattices.*
- 12:05 – 12:35** *Summary of the conference "Algebra and Logic: Theory and Applications".*
- 12:40 – 14:00** Lunch break

### **Thematic lectures on the school-conference**

- 14:00 – 14:45** *E. A. Blagoveshchenskaya (St. Petersburg, PSTU) Development of the concept of almost automorphisms for the classification of torsion-free abelian groups.*
- 14:50 – 19:00** Sections talks



## Saturday, July 30

- 09:00 – 09:45** *V. S. Atabekyan (Armenia, Yerevan, YSU) On groups with periodic defining relations.*
- 09:50 – 10:35** *N. S. Chernikov (Ukraine, Kiev, MI NAS) Groups with minimality conditions for non-abelian subgroups.*
- 10:40 – 11:00** Coffee break
- 11:00 – 13:00** Sections talks
- 13:00 – 14:00** Lunch
- 14:00 – 16:00** Sections talks
- 16:00 – 16:20** Closing of the first part of the School-Conference.  
Departure of the participants of the second part  
of the School-Conference in Yeniseysk-Podtesovo.

**Sunday, July 31**

*Return of participants of the second part of the School-Conference  
to the Krasnoyarsk. Closing of the School-Conference.*