

**Program of  
13<sup>th</sup> International Summer School-Conference  
“Problems Allied to Universal Algebra  
and Model Theory”**

*June 24, Monday*

- 10:00am–10:10am    Opening School-Conference
- 10:10am–10:30am    S. VINOKUROV (Irkutsk, Russia), N. PERYAZEV (Saint-Petersburg, Russia) “On mathematical works of A. Kokorin”

**Chairman S. Sudoplatov**

- 10:30am–10:50am    K. PONOMARYOV (Novosibirsk, Russia) “Multiplicative group of zero-characteristic field with finite ramification (talk by A. Chekhonadskih)”
- 11:00am–11:50am    B. KULPESHOV (Almaty, Kazakhstan) “Vaught’s conjecture for weakly  $\omega$ -minimal theories of finite convexity rank”
- Noon–12:20pm        M. SHEREMET (Novosibirsk, Russia) “Standard interpretation of partial functions and multi-functions”

**Chairman S. Vinokurov**

- 3:00pm–3:20pm      N. GALANOVA (Tomsk, Russia) “Symmetric cuts of real closed non-Archimedean fields”
- 3:30pm–3:50pm      A. KAZIMIROV (Irkutsk, Russia) “On difficulty of multifunction standard forms”
- 4:00pm–4:20pm      A. ZAKHAROV (Novosibirsk, Russia) “Algebraic varieties allied to Gelfand–Dorfman–Novikov algebras”
- 4:30pm–4:50pm      A. CHEKHONADSKIH (Novosibirsk, Russia) “Algebraic aspects of gyroscopic stabilization”
- 5:00pm–5:20pm      F. DUDKIN (Novosibirsk, Russia) “ $\mathcal{F}_\pi$  residuality of generalized Baumslag–Solitar groups”

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*June 25, Tuesday*  
**Chairman V. Verbovskiy**

- 10:00am–10:50am A. MOROZOV (Novosibirsk, Russia) “On Sigma-representable structures over the reals”
- 11:00am–11:50am V. CHURKIN (Novosibirsk, Russia) “Splittable Lie algebras of type  $G_2$  and stable matrices”
- Noon–12:50pm S. SUDOPLATOV (Novosibirsk, Russia) “Families of the theories and their characteristics”

**Chairman N. Peryazev**

- 3:00pm–3:20pm A. ZABARINA, E. FOMINA (Tomsk, Russia) “On the set  $K_p(G)$  in finite groups”
- 3:30pm–3:50pm A. BALYUK (Irkutsk, Russia) “On decomposition of functions under finite fields to sums of products of unary functions”
- 4:00pm–4:20pm N. MARKHABATOV (Novosibirsk, Russia; Nur-Sultan, Kazakhstan) “Ranks for families of permutation theories”
- 4:30pm–4:50pm E. POROSHENKO (Novosibirsk, Russia) “Universal equivalence of partially commutative Lie algebras of some class”

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*June 26, Wednesday*

**Chairman A. Morozov**

- 10:00pm–10:50pm V. Roman'kov (Omsk, Russia), E. TIMOSHENKO (Novosibirsk, Russia) “Verbally closed subgroups of free solvable groups”
- 11:00pm–11:50pm A. PINUS (Novosibirsk, Russia) “Universal algebras and functional clones (on scales of universal algebras on fixed sets)”
- Noon–12:50pm B. POIZAT (Lyon, France) “Symmetries in groups without involutions”

**Chairman V. Churkin**

- 3:00pm–3:50pm N. PERYAZEV (Saint-Petersburg, Russia) “On algebras of operations and algebras of multioperations”
- 4:00pm–4:20pm E. GRACHEV, A. POPOVA (Novosibirsk, Russia) “Extending automorphisms of character fields to automorphisms of integer group fields of finite groups”
- 4:30pm–4:50pm A. ZENKOV (Barnaul, Russia) “On  $o$ -approximability  $m$ -groups”

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*June 27, Thursday*

Chairman A. Pinus

3:00pm–3:20pm A. BORODIN (Gorno-Altaysk, Russia) “To homogroup theory-I”

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*June, 28, Friday*

**Chairman B. Kulpeshov**

- 10:00am–10:50am S. VINOKUROV (Irkutsk, Russia) “Invertible computations and polynomials of boolean functions”
- 11:00am–11:50am A. NURAKUNOV (Bishkek, Kyrgyzstan), A. KRAVCHENKO, M. SHVIDEVSKI (Novosibirsk, Russia) ”On lattices of quasi-varieties, varieties and congruences”
- Noon–12:50pm A. SHEVLYAKOV (Omsk, Russia) “Model theory and universal algebra in machine learning”

**Chairman E. Poroshenko**

- 3:00pm–3:50pm V. VERBOVSKIY (Almaty, Kazakhstan) “Properties of formula subsets of ordered structures”
- 4:00pm–4:20pm Erlagol notebook: old and new problems
- 4:30pm–4:40pm Closing School-Conference