

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

*June 24, Saturday*

9:15am–9:30am **Opening the school-conference**

**Plenary Talks**

**Chairperson S. Sudoplatov**

- 9:30am–10:20am GONCHAROV S. (Novosibirsk, Russia) “Mathematical models in semantic programming”
- 10:30am–11:20am КОПЫТОВ V. (Novosibirsk, Russia) “Степенные ряды и группы”
- 11:30am–12:20pm BAIZHANOV B. (Almaty, Kazakhstan) “Conservative extensions of models of complete dependent theories”
- 12:30pm–1:20pm PERYAZEV N. (Saint-Petersburg, Russia) “Identities on superclones”

**Short Talks**

**Universal algebras and models**

**Chairperson A. Pinus**

- 3:00pm–3:30pm DUDKIN F. (Novosibirsk, Russia) “On centralizer dimension of generalized Baumslag–Solitar groups”
- 3:30pm–4:00pm KIOUVREKIS Y., STEFANEAS P. (Ahtens, Greece), SUDOPLATOV S. (Novosibirsk, Russia) “Definable sets in generic structures”
- 4:00pm–4:30pm STAROLETOV A (Novosibirsk, Russia) “On recognizability by prime numbers graph of alternating groups”
- 4:30pm–5:00pm ZAMBARNAYA T. (Almaty, Kazakhstan) “ $p$ -preserving formulas and the number of countable models”
- 5:00pm–5:30pm MIKHAL’CHISHINA YU. (Novosibirsk, Russia) “Representation of virtual braids by automorphisms and virtual knots groups”
- 5:30pm–6:00pm AHMADI DELIR K. (Tabriz, Iran) “Non-associating graph of a finite Moufang loop and its relationship with the non-commuting graph”

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*June 25, Sunday*

**Plenary Talks**

**Chairperson M. Peretyat'kin**

- 9:00am–9:50am KULPESHOV B. (Almaty, Kazakhstan) “Binarity is almost omega-categorical completely  $\sigma$ -minimal theories”
- 10:00am–10:50am PINUS A. (Novosibirsk, Russia) “Fragments of clones as a method of research of the latter”
- 11:00am–11:50am TEPAVCEVIC A. (Novi Sad, Serbia) “Weak congruences and  $\Omega$ -algebras”
- Noon–12:50pm SUDOPLATOV S. (Novosibirsk, Russia), “Derivative Objects in Model Theory”

**Short Sections**

**Classical algebra**

**Chairperson S. Zyubin**

**Universal algebras and Models**

**Chairperson D. Valota**

- 3:00pm–3:30pm GRACHEV E., POPOVA A. (Novosibirsk, Russia) “Automorphisms of integer group rings”
- 3:40pm–4:10pm BRYUKHANOV O. (Novosibirsk, Russia) “On ascending HNN-extensions of almost polycyclic groups”
- 4:20pm–4:50pm GAL'T A. (Novosibirsk, Russia) “On splittability of the normalizer of a maximal torus in groups of Lie type”
- 5:00pm–5:30pm
- BAIZHANOV S. (Almaty, Kazakhstan) “Expansion of models by type definable relation and stability.”
- RYABETS L. (Irkutsk, Russia) “Strong closure operators for hyperfunctions on a two-element set”
- BORODIN A. “Phenomenologically symmetric geometry of finite rank as a derived structure of universal algebras”
- MUKANKYZY A. (Almaty, Kazakhstan) “Exchange principle and dp-rank”

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*June 26, Monday*

**Plenary Talks**

**Chairperson B. Kulpeshov**

- 9:00am–9:50am    ODINTSOV S. (Novosibirsk, Russia) “On realizability semantic for *IF*-logic”
- 10:00am–10:50am    PERETYAT’KIN M. (Almaty, Kazakhstan) “First order combinatorics and a definition of model-theoretic property with applications”
- 11:00am–11:50am    POROSHENKO E. (Novosibirsk, Russia) “Structure and theories of partially commutative Lie algebras”

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*June 27, Tuesday*

**Plenary Talks  
Chairperson A. Tepavcevic**

- 9:00am–9:50am     SHAHRYARI M. (Tabris, Iran) “A characterization of  $q_\omega$ -compact algebras”
- 10:00am–10:50am     CHURKIN V. (Novosibirsk, Russia) “On R. Garipov’s works on crystallography”
- 11:00am–11:50am     VALOTA D. (Milan, Italy) “Spectra Problems and Many-Valued Logics”
- Noon–12:50pm     CHEKHONDADSKIY A. (Novosibirsk, Russia) “Algebraic method of synthesis of reduced order control for different classes of dynamic systems”

**Short Talks**

**Classical algebra  
Section meeting in memory of Pestov G.**

**Chairperson V. Kopytov**

- 3:00pm–3:30pm     KOPYTOV V. M. (Novosibirsk, Russia) “Finitely generated Conrad groups of finite rank are solvable and have a faithful representation by matrices”
- 3:40pm–4:10pm     ZENKOV A. (Barnaul, Russia) “Wreath products and varieties of  $m$ -groups”
- 4:20pm–4:50pm     ZYUBIN S. (Tomsk, Russia) “Subgroup properties of Chevalier groups”
- 5:00pm–5:30pm     GALANOVA N. (Tomsk, Russia) “Sections of non-Archimedean really closed field”
- 5:40pm–6:10pm     ZABARINA A., FOMINA E. (Tomsk, Russia) “On some properties of two-dimensionally ordered groups”
- 6:20pm–6:50pm     Speech on Pestov G.

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*June 28, Wednesday*

**Plenary Talks  
Chairperson M. Shahryari**

9:00am–9:50am SHEVLYAKOV A. (Omsk, Russia) “Compactness classes in universal algebraic geometry”

**Universal algebras and models**

**Chairperson L. Ryabets**

10:00am–10:30am PINUS A. (Novosibirsk, Russia) “Direct and inverse limits of retractive spectra and their applications”

10:30am–11:00am KOBDIKBAEVA F. (Almaty, Kazakhstan) ”Countable models and order property”

11:00am–11:30am KAZIMIROV A. (Irkutsk, Russia) “Algorithms of minimization of multifunctions”

11:30am–Noon KIOUVREKIS Y. (Athens, Greece) “Categorical abstract model theory”

Noon–12:30pm TEPAVCEVIC A. (Novi Sad, Serbia) “Partial closure operators and systems”

12:30pm–1:30pm Hour of problems

1:30pm–1:45pm **Closing the school-conference**