

**Programme of
the 14th International Summer School-Conference
“Problems Allied to Universal Algebra
and Model Theory”**

June 23, Wednesday

8:55am–9:00am **Opening Ceremony**

Chairman S. Sudoplatov

9:00am–9:50am S. GONCHAROV (Novosibirsk, Russia), “Semantic modeling and programming”

10:00am–10:50am A. STEPANOVA (Vladivostok, Russia), “On axiomatizability of some classes of polygons over monoids”

11:00am–11:30am A. PINUS (Novosibirsk, Russia), “On some non-traditional relations on spaces of functional clones”

11:40am–12:30pm N. PERYAZEV (Saint-Petersburg, Russia), “Logic of multioperations”

Chairman A. Borovik

4:00pm–4:50pm YE. BAISSALOV (Nur-Sultan, Kazakhstan), Minimal algebras

5:00pm–5:20pm V. VERBOVSKIY (Almaty, Kazakhstan) and J. BALDWIN (Chicago, USA), “On definable closure in Hrushovski’s strongly minimal generic structures”

6:00pm–6:20pm A. BERKMAN (Istanbul, Turkey), “Groups of finite Morley rank with a generically multiply transitive action”

Chairman S. Sudoplatov

- 7:00pm–7:50pm A. BOROVIK (Manchester, UK), “Finite groups and groups of finite Morley rank: more connections”
- 8:00pm–8:50pm B. POIZAT (Lyon, France) **Jubilee Talk:** “Positive Set Theory”
- 9:00pm **Congratulations**

June 24, Thursday**Chairwoman A. Stepanova**

- 9:00am–9:50am B. BAIZHANOV (Almaty, Kazakhstan), “On the properties of 2-formulas on the set of all realizations of convex closure of 1-type in small ordered theories”
- 10:00am–10:50am B. KULPESHOV (Almaty, Kazakhstan; Novosibirsk, Russia), “Criterion for binarity of almost omega-categorical weakly ω -minimal theories”
- 11:00am–11:50am N. KASYMOV, R. DADAJANOV, and S. DJAVLIYEV (Tashkent, Uzbekistan), “Degrees of algorithmic representativity of linear orders”
- 12:30pm – 12:50pm P. Kolesnikov (Novosibirsk, Russia), “Derivative identities of differential algebras”

Chairman P. Kolesnikov

- 3:00pm–3:20pm S. ZHAVLIYEV and N. KASYMOV (Tashkent, Uzbekistan), “Negative enumerations of linear orders with endomorphisms”
- 3:30pm–3:50pm I. KHODZHAMURATOVA and N. KASYMOV (Tashkent, Uzbekistan), “On representativity of translation complete universal algebras over negative equivalences”
- 4:00pm–4:20pm D. EREMENKO (Saint-Petersburg, Russia), “Minimal algebras of binary operations of rank 3”

4:30pm – 4:50pm S. TODIKOV (Saint-Petersburg, Russia),
“Comparison of expressive capabilities of different
languages of multioperations”

Chairman B. Poizat

7:00pm–7:50pm P. KOIRAN (Lyon, France), “The incredible shrinking
algebraic computation model”

8:00pm–8:50pm G. CHERLIN (New Brunswick, USA), “Metrically
homogeneous graphs and distance semigroups”

June 25, Friday

Chairman E. Poroshenko

10:00am–10:50am V. LEVCHUK and O. KRAVTSOVA (Krasnoyarsk,
Russia), “Some questions of algebraic and geometric
systems”

11:00am–11:50am E. I. TIMOSHENKO (Novosibirsk, Russia), “Bases of
partially commutative groups”

Noon–12:50pm A. POZHIDAEV (Novosibirsk, Russia), “On simple
right-symmetric (pre-Lie) algebras”

Chairman N. Peryazev

3:00pm–3:20pm M. SCHWIDEFSKY and YU. ERSHOV (Novosibirsk,
Russia), “On function spaces”

3:30pm–3:50pm A. POPOVA and O. BRYUKHANOV (Novosibirsk,
Russia), “Some algorithmic questions of factorization
of integer group rings”

4:00pm–4:20pm O. BRYUKHANOV and V. BARDAKOV, and
M. NESHCHADIM (Novosibirsk, Russia), “On
nilpotent approximability of some extensions”

4:30pm–4:50pm I. ZOTOV and V. LEVCHUK (Krasnoyarsk,
Russia), “The Mal’tsev correspondence and local
automorphisms of nil-triangular algebras”

5:00pm–5:50pm A. IWANOW (Gliwice, Poland), “Amenability and
computable groups”

- 6:00pm–6:20pm K. DUDA (Wroclaw, Poland), “Computable paradoxical decompositions of computable groups”
- 6:30pm – 7:20pm P. STEFANEAS and D. ZAFEIRAKOPOULOS, (Athens, Greece), “Remarks on Deontic Logic and Artificial Intelligence”

June 26, Saturday

Chairman N. Kasymov

- 10:00am–10:50am A. YESHKEYEV (Karaganda, Kazakhstan), “Jonsson spectrum and its models”
- 11:00am–11:50am R. SKLINOS (Beijing, China), “Fields interpretable in the free group”

Chairman Ye. Baissalov

- 3:00pm–3:20pm N. MUSSINA, M. KASYMETOVA, and N. POPOVA (Karaganda, Kazakhstan), “Companions of hybrids of fragments of definable subsets”
- 3:30pm–3:50pm M. OMAROVA, A. YESHKEYEV, and O. ULBRIKHT (Karaganda, Kazakhstan), “The number of perfect fragments of the Jonsson spectrum of the class of existentially closed models of an arbitrary signature”
- 4:00pm–4:20pm A. ISAYEVA and A. YESHKEYEV, and N. SHAMATAYEVA (Karaganda, Kazakhstan), “Small models of fragments of Jonsson sets”
- 5:00pm–5:20pm B. K. GUPTA (Barabanki UP, India), “Big Data: Unstructured Information as Boon and Bane”
- 5:30pm–5:50pm M. E. OGIUGO (Ibadan, Nigeria), “The number of subgroup chains in the cartesian product of $Z_p \times S_4$ (p is any prime)”

June 27, Sunday**Chairman B. Kulpeshov**

- 10:00am–10:50am S. SUDOPLATOV (Novosibirsk, Russia),
“Characteristics for families of theories”
- 11:00am–11:30am N. MARKHABATOV (Novosibirsk, Russia; Taraz,
Kazakhstan), “Model-theoretic and topological
properties of families of theories”
- 11:40am–12:10pm D. EMELYANOV (Novosibirsk, Russia), “Algebras of
binary isolating formulas”

Chairman V. Verbovskiy

- 3:00pm–3:20pm D. VLASOV (Novosibirsk, Russia), “Semantic
programming and unified semantics of algebraic,
logical and functional operators”
- 3:30pm–3:50pm S. GUSEV (Yekaterinburg, Russia) and E. W. H. LEE
(Fort Lauderdale, USA), “Cancellable elements of the
lattice of monoid varieties”
- 4:00pm–4:20pm O. VORONINA (Petropavlovsk, Kazakhstan), “On
simultaneous reduction of elements of abelian groups
and vector spaces to positive form”
- 4:30pm–4:50pm S. LUTSAK and O. VORONINA, (Petropavlovsk,
Kazakhstan), “On complexity of quasivariety lattices
of Lukasiewicz algebras”
- 5:00pm–5:20pm A. KASATOVA (Nur-Sultan, Kazakhstan), “Properties
of quasivarieties of complete theories”
- 5:30pm–5:50pm A. DAULETIYAROVA and S. SUDOPLATOV
(Novosibirsk, Russia), “On some expansions of
dense orders”

June 28, Monday**Chairman E. I. Timoshenko**

- 10:00am–10:20am M. ZONOV and E. A. TIMOSHENKO (Tomsk, Russia), “On nilradicals of E -rings”
- 10:30am–10:50am N. GALANOVA (Tomsk, Russia), “On some examples of real closed fields”
- 11:00am–11:20am A. ZABARINA and E. FOMINA (Tomsk, Russia), “On some properties of the set K_p in finite groups”
- 11:30am–11:50am F. DUDKIN (Novosibirsk, Russia), “Finite index subgroups of non-large generalized Baumslag-Soliter groups”

Chairman A. Pozhidaev

- 3:00pm–3:20pm E. POROSHENKO (Novosibirsk, Russia), “Splitting partially commutative Lie algebras into direct sums”
- 3:30pm–3:50pm A. GALT (Novosibirsk, Russia), “On Thompson’s problem in primitive groups”
- 4:00pm–4:20pm K. TULENBAYEV and A. DZHUMADIL’DAEV (Almaty, Kazakhstan), “Nagata Theorem for algebras close to Novikov”
- 4:30pm–4:50pm V. GUBAREV (Novosibirsk, Russia), “Rota–Baxter operators on the conformal loop algebra over $\mathfrak{sl}(2, C)$ ”
- 5:00pm–5:20pm A. STAROLETOV (Novosibirsk, Russia), “On 3-generated algebras of monster type”
- 5:30pm–5:50pm A. PETUKHOV (Moscow, Russia), “Primitive ideals and Nil-Dynkin Lie algebras”
- 6:00pm–6:20pm A. ZENKOV (Barnaul, Russia), “On idempotents of the semigroup of varieties of m -groups”
- 6:30pm **Closing Ceremony**