

International Workshop

“Algebraic Geometry and Model Theory of Groups III”

September 3rd–September 13th, 2025
at

Ivane Javakhishvili Tbilisi State University, Tbilisi, Georgia
[3 Ilia Chavchavadze Avenue](#), Room 216

Program

September 3rd

Arrival and registration of participants

September 4th

1. 9.30–10.10 **Welcome and Opening Remarks**
2. 10.30–12.15 **Eugene Plotkin** “TBA”
3. 12.30–14.10 **Alexei Miasnikov** “TBA”
4. 14.10–15.40 Lunch
5. 15.50–16.50 **Alexander Rybalov** “P vs NP problem and universal algebraic geometry”
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September 5th

1. 9.30–10.30 **Evelina Daniyarova** “Regularization and absolutization of interpretations”
2. 10.45–11.45 **Elena Bunina** “[Isotypicity of Abelian Groups](#)”
3. 12.00–13.00 **Ivan Chesnokov** “Centroids of CT-groups”
4. 13.00–14.00 **Ivan Buchinskiy** “Centroids of nilpotent groups” (online)
5. 14.00–17.00 Discussion on Isotypicity and Bi-interpretations

September 6th

1. 9.30–10.30 **Alexei Miasnikov** “TBA”
2. 10.40–11.40 **Elena Bunina** “Elementary theory of automorphisms of free groups”
3. 11.50–12.50 **Andrey Nikolaev** “TBA”
4. 12.50–13.30 **Elena Bunina** “Progress in the theory of algebraic groups”
5. 13.30–15.30 Lunch
6. 15.30–16.10 **Alexander Treyer** “TBA”
7. 16.20–17.20 **Olga Kharlampovich** “TBA”

September 7th

1. 10.00–11.00 **Pavel Gvozdevsky** “[Width of Words in Linear Groups](#)”
2. 11.15–12.30 **Agatha Atkarskaya** “TBA”
3. 12.30–13.30 Discussion
4. 13.30–14.30 Lunch
5. 14.45–15.45
6. 15.55–16.25 **Tengiz Bokelavadze** “[On Nilpotent Power MR-groups](#)”
7. 16.35–19.45 Discussion

September 8th

9.00–14.00 Scientific Discussion on Isotipicity of Algebraic Structures
 Participants: **A. Miasnikov, E. Plotkin, E. Bunina, P. Gvozdevsky, A. Nikolaev, E. Daniyarova, A. Treier, A. Atkarskaya, I. Buchinskiy, M. Amaglobeli, T. Bokelavadze**

Excursion

September 9st

9.00 – 14.00 Scientific Discussion on Model Theory of Groups
 15.00 – 17.00 Open problems and Free Talks on Model Theory of Groups:
 - **Alexei Miasnikov** “Tarski Problems for Groups”
 - **Alexander Treyer** “Isotipicity of Graphs and Graph Groups”
 - **Ivan Buchinskiy** “Hypergraph Groups and Elementary Equivalent Graphs”
 - **Evelina Daniyarova** “Types of Bi-interpretations of Algebraic Structures”
 - **Tengiz Bokelavadze** “Bi-interpretations of Lie Groups and Algebras”

September 10th

9.00 – 14.00 Scientific Discussion on Exponential Groups
 15.00 – 17.00 Open problems and Short Talks on Exponential Groups and Centroids:
 - **Alexei Miasnikov** “Musing on Exponentiation in Groups”
 - **Alexander Treyer** “[Centroids of CT-groups](#)” (joint work with I. Chesnokov)
 - **Ivan Buchinskiy** “[Hypothesis on Centroids and Rigidity of Nilpotent Graphs Groups](#)”
 - **Mikheil Amaglobeli** “Centralizers extensions in MR Exponential Groups”

September 11th

9.00–14.00 Scientific Discussion on Algebraic Geometry of Groups:
A. Miasnikov, E. Daniyarova, A. Treyer, I. Buchinskiy: “Noethericity by equations: List of Open Problems”
 15.00 Workshop closing, departure of participants

September 12th

9.00–14.00 Scientific Discussion on Algebraic Geometry of Groups:
A. Miasnikov, E. Daniyarova, A. Treyer, I. Buchinskiy: “Noethericity by equations: List of Open Problems”

15.00 Workshop closing, departure of participants
September 13th

9.00 - 10.00 Closing ceremony
Departure of participants

Invited Speakers

Alexei Miasnikov

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