

PROGRAM  
International Conference  
“Algebra and Mathematical Logic: Theory and Applications”  
Russia, Kazan, June 24 – 28, 2019

**June 23, Sunday**

**Arrival Day**

**16:00 – 20:00 Registration (35 Kremlyovskaya street,  
2nd high-rise building KFU, hall of the first floor)**

## June 24, Monday

<b>08:30 – 10:00</b>	<b>Registration</b>
<b>10:00 – 10:30</b>	<b>Opening</b> (1st physical audience, main building of KFU)
<b>10:30 – 11:15</b>	<b>Ershov Yu. L.</b> (Novosibirsk, Russia) “On the roots of polynomials over normalized fields”
<b>Coffee break</b>	
<b>11:35 – 12:20</b>	<b>Olshanskii A. Yu.</b> (Nashville, USA; Moscow, Russia) “On the conjugacy problem in finitely presented groups”
<b>12:30 – 13:15</b>	<b>Beklemishev L. D.</b> (Moscow, Russia, 1st lecture) “Reflection principles, algebras and progressions of theories”
<b>Lunch break</b>	
<b>15:00 – 15:45</b>	<b>Mazurov V. D.</b> (Novosibirsk, Russia) “Generalized Frobenius groups”
<b>15:55 – 16:40</b>	<b>Tuganbaev A. A.</b> (Moscow, Russia) “Centrally essential rings”
<b>Coffee break</b>	
<b>17:00 – 17:45</b>	<b>Arslanov M. M.</b> (Kazan, Russia) “Functions without fixed points and Kolmogorov complexity”
<b>18:00 – 21:00</b>	<b>Buffet reception (35 Kremlevskaya St., 2nd high-rise building KFU, hall of the second floor)</b>

## June 25, Tuesday

<b>09:00 – 09:45</b>	<b>Goncharov S. S.</b> (Novosibirsk, Russia) “On the Turing degrees of autostability with respect to decidable presentations of almost prime models”
<b>09:55 – 10:40</b>	<b>Nies A.</b> (Auckland, New Zealand) “The remarkable expressivity of first-order logic in profinite groups” (online lecture via Skype)

### Coffee break

<b>11:00 – 11:45</b>	<b>Beklemishev L. D.</b> (Moscow, Russia, 2-nd lecture) “Reflection principles, algebras and progressions of theories”
<b>11:55 – 12:40</b>	<b>Vostokov S. V.</b> (Saint Petersburg, Russia) “The Hilbert pairing and integral functionals: history, motivation and recent results”
<b>12:50 – 13:35</b>	<b>Kuznetsov M. I.</b> (Nizhny Novgorod, Russia) “Deformations of Lie algebras”

<b>13:35</b>	General photo of the conference participants (against the background of the main building of KFU)
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### Lunch break

<b>15:00 – 15:45</b>	<b>Artamonov V. A.</b> (Moscow, Russia) “Polynomially complete quasigroups and their applications”
<b>15:55 – 16:40</b>	<b>Remeslennikov V. N.</b> (Omsk, Russia) “What is universal algebraic geometry?”

### Coffee break

<b>17:00 – 17:45</b>	<b>Kalimullin I. Sh.</b> (Kazan, Russia) “Automatic and primitive recursive structures”
<b>18:00</b>	<b>Sections</b> (2nd high-rise building KFU)
<b>room 510</b>	Ring theory-1
<b>room 512</b>	Ring theory-2
<b>room 609</b>	Model theory and universal algebra
<b>room 610</b>	Computability theory
<b>room 612</b>	Mathematical and applied logic
<b>room 710</b>	Group theory-1 (finite groups)
<b>room 712</b>	Group theory-2 (infinite groups)

## **June 26, Wednesday**

<b>09:00 – 18:00</b>	<b>Excursion to Sviyazhsk on the pleasure boat</b>
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## June 27, Thursday

<b>09:00 – 09:45</b>	<b>Popov V. L.</b> (Moscow, Russia) “Jordan groups”
<b>09:55 – 10:40</b>	<b>Rybakov V. V.</b> (Krasnoyarsk, Russia) “Multi-agent temporal logics with multi-valuations”

### Coffee break

<b>11:00 – 11:45</b>	<b>Wu G.</b> (Singapore, Republic of Singapore) “n-r.e. degrees: a survey of research of Prof . Marat Arslanov and his group” (online lecture via Skype)
<b>11:55 – 12:40</b>	<b>Yu L.</b> (Nanjing City, China) “Some applications of recursion theoretical methods to set theory”
<b>12:50 – 13:35</b>	<b>Alaev P. E.</b> (Novosibirsk, Russia) “Structures, computable in polynomial time”

### Lunch break

<b>14:45 – 15:30</b>	<b>Selivanov V. L.</b> (Novosibirsk\Kazan, Russia) “On presentation complexity of number fields”
<b>16:00</b>	<b>Sections</b> (2nd high-rise building KFU)
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## June 28, Friday

<b>09:00 – 09:45</b>	<b>Vdovin E. P.</b> (Novosibirsk, Russia) “On Shalev conjecture for simple groups”
<b>09:55 – 10:40</b>	<b>Volkov M. V.</b> (Yekaterinburg, Russia) “Identities of Kauffman monoids: finite axiomatization and algorithms”

<b>Coffee break</b>
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<b>11:00 – 11:45</b>	<b>Podolskii V. V.</b> (Moscow, Russia) “Max-plus polynomials and their roots”
<b>11:55 – 12:40</b>	<b>Manturov V. O.</b> (Moscow, Russia) “On groups $G_n^k$ and $\Gamma_n^k$ and their applications in algebra and topology”
<b>12:50 – 13:35</b>	<b>Fomin A. A.</b> (Moscow, Russia) “A category of sequences”

<b>14:00 – 14:30</b>	<b>Closing</b> (1st physical audience, main building of KFU)
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