



PROGRAM  
OF THE INTERNATIONAL CONFERENCE  
AND PHD SUMMER SCHOOL  
"GROUPS AND GRAPHS, ALGORITHMS AND AUTOMATA"  
In Honor  
of the 80th Birthday of Professor Vyacheslav A. Belonogov  
and  
of the 70th Birthday of Professor Vitaly A. Baransky

Yekaterinburg, August 9–15, 2015

August 9, 2015

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**09:00 – 12:00 Registration:** Ural Federal University named after the first President of Russia B.N. Yeltsin: Hall, 51, Lenina Pr., Yekaterinburg

12:30 – 13:30 Getting Ivolga

14:00 – 15:00 Lunch

**15:30 – 15:45 Official Welcome**

**15:45 – 17:40 Plenary Talks: Special session dedicated to Professor Vitaly Baransky in the occasion of his 70th birthday**

- 15:45 – 16:00 Greeting to Professor Vitaly Baransky
- 16:00 – 16:50 Vitaly Baransky, Tatiana Nadymova and Tatiana Senchonok: *The lattice of graphical partitions*
- 16:50 – 17:40 Alexander Makhnev: *Koolen problem for  $t = 5$*

18:00 – 19:00 Football

19:00 – 20:00 Dinner

August 10, 2015

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08:30 – 09:45 Breakfast

**10:00 – 13:00 Plenary Talks**

- 10:00 – 10:50 Tatsuhiro Ito: *Finite dimensional irreducible representations of the TD-algebra*
- 10:50 – 11:40 Zhi Qiao, Alexander Gavriluk, Jack Koolen and Jongyook Park: *On recent progress of 2-walk-regular graphs*
- 11:40 – 12:10 Coffee break
- 12:10 – 13:00 Vladislav Kabanov: *On some class of Deza graphs*

13:00 – 14:00 Lunch

**14:30 – 16:10 Minicourses**

- 14:30 – 15:20 Dragan Marušič: *Minicourse I, Lecture 1*
- 15:20 – 16:10 Klavdija Kutnar: *Minicourse I, Lecture 2*

16:10 – 16:40 Coffee break

**16:40 – 19:00 Contributed Talks**

19:00 – 20:00 Dinner

20:00 – 22:00 Problem solving / Sports

August 11, 2015

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08:30 – 09:45 Breakfast

**10:00 – 13:00 Plenary Talks and Minicourses**

- 10:00 – 10:50 Alexander Gavriluk, Sergey Goryainov and Leonid Shalaginov: *On Deza circulants*
- 10:50 – 11:40 Evgeny Vdovin: *Minicourse IV, Lecture 1*
- 11:40 – 12:10 Coffee break
- 12:10 – 13:00 Tomaž Pisanski: *Minicourse II, Lecture 1*

13:00 – 14:00 Lunch

**14:30 – 16:10 Minicourses**

- 14:30 – 15:20 Dragan Marušič: *Minicourse I, Lecture 3*
- 15:20 – 16:10 Klavdija Kutnar: *Minicourse I, Lecture 4*

16:10 – 16:40 Coffee break

**16:40 – 19:00 Contributed Talks**

19:00 – 20:00 Dinner

20:00 – 22:00 Problem solving / Sports

August 12, 2015

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08:30 – 09:45 Breakfast

**10:00 – 13:15 Plenary Talks: Special session dedicated to Professor Vyacheslav Belonogov in the occasion of his 80th birthday**

- 10:00 – 10:15 Greeting to Professor Vyacheslav Belonogov
- 10:15 – 11:05 Vyacheslav Belonogov: *Character theory and abstract structure of finite groups*
- 11:05 – 11:55 Lev Kazarin: *Group factorizations, graphs and related topics*
- 11:55 – 12:25 Coffee break
- 12:25 – 13:15 Bernhard Amberg: *Products of groups which contain abelian subgroups of finite index*

13:15 – 14:15 Lunch

**14:30 – 17:30 Plenary Talks**

- 14:30 – 15:20 Anatolii Kondrat'ev: *On prime graphs of finite groups*
- 15:20 – 16:10 Anatolii Kondrat'ev, Natalia Maslova and Danila Revin: *On the pronormality of subgroups of odd indices in finite simple groups*
- 16:10 – 16:40 Coffee break
- 16:40 – 17:30 Vladimir Levchuk and Olga Kravtsova: *Problems on structure of finite quasifields and projective translation planes*

17:45 – 18:00 Conference Photo

19:00 Conference Dinner

August 13, 2015

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08:30 – 09:45 Breakfast

**10:00 – 13:00 Minicourses**

- 10:00 – 10:50 Mikhail Volkov: *Minicourse V, Lecture 1*
- 10:50 – 11:40 Evgeny Vdovin: *Minicourse IV, Lecture 2*
- 11:40 – 12:10 Coffee break
- 12:10 – 13:00 Tomaž Pisanski: *Minicourse II, Lecture 2*

13:00 – 14:00 Lunch

**14:30 – 16:10 Minicourses**

- 14:30 – 15:20 Dragan Marušič: *Minicourse I, Lecture 5*
- 15:20 – 16:10 Klavdija Kutnar: *Minicourse I, Lecture 6*

16:10 – 16:40 Coffee break

**16:40 – 19:00 Contributed Talks**

19:00 – 20:00 Dinner

20:00 – 22:00 Problem solving / Sports

August 14, 2015

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08:30 – 09:45 Breakfast

**10:00 – 13:00 Minicourses**

- 10:00 – 10:50 Mikhail Volkov: *Minicourse V, Lecture 2*
- 10:50 – 11:40 Nadezhda Timofeeva: *Minicourse III, Lecture 1*
- 11:40 – 12:10 Coffee break
- 12:10 – 13:00 Tomaž Pisanski: *Minicourse II, Lecture 3*

13:00 – 14:00 Lunch

**14:30 – 16:10 Minicourses**

- 14:30 – 15:20 Dragan Marušič: *Minicourse I, Lecture 7*
- 15:20 – 16:10 Klavdija Kutnar: *Minicourse I, Lecture 8*

16:10 – 16:40 Coffee break

**16:40 – 19:00 Contributed Talks**

19:00 – 20:00 Dinner

20:00 – 22:00 Problem solving / Sports

August 15, 2015

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08:30 – 09:45 Breakfast

**10:00 – 13:00 Minicourses**

- 10:00 – 10:50 Mikhail Volkov: *Minicourse V, Lecture 3*
- 10:50 – 11:40 Nadezhda Timofeeva: *Minicourse III, Lecture 2*
- 11:40 – 12:10 Coffee break
- 12:10 – 13:00 Tomaz Pisanski: *Minicourse II, Lecture 4*

13:00 – 14:00 Lunch

**14:30 – 15:20 Plenary Talks**

- 14:30 – 15:20 Vladimir Trofimov: *Some problems concerning vertex-symmetric graphs*

15:30 – 15:50 **Closing**

17:00 Leaving Ivolga