



Institute of Computational Mathematics and Mathematical  
Geophysics SB RAS,  
Novosibirsk State University,  
International Mathematical Center of NSU  
with the support of



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Institute of Computational Technologies SB RAS,  
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Khristianovich Institute of Theoretical and Applied Mechanics SB RAS,  
Kutateladze Institute of Thermophysics SB RAS  
hold

the 10th International Scientific Conference and Young Scientist School  
**«Theory and Computational Methods for Inverse and  
Ill-posed Problems»**,

dedicated to the 90th anniversary of the birth of  
Academician A. S. Alekseyev  
and to the 80th anniversary of Corresponding Member of RAS  
V. G. Romanov

Novosibirsk, Akademgorodok, 10 - 13 October, 2018

### Main scientific directions

1. Theory of inverse and ill-posed problems and methods of regularization
2. Numerical methods for solving inverse problems of acoustics, electrodynamics, tomography, electrical prospecting, seismology, gravimetry, transport theory and other branches of natural science
3. Direct and inverse problems of geophysics.
4. Direct and inverse problems of physics of the atmosphere, ocean and environmental protection.
5. Inverse and ill-posed problems in biology, medicine, finance and social sciences.
6. High-performance computing in the natural sciences.
7. Analysis of large data and pattern recognition.

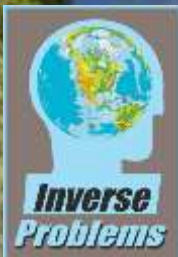
The lectures of the members of the International Program Committee and invited speakers are planned, as well as the speeches of each of the young (under 35) participants. According to the decision of the program committee, the best reports will be published in journals Journal of Inverse and Ill-posed Problems (JIIP) and Siberian Journal of Numerical Mathematics (SibJNM).

### Important information

- Conference languages: Russian, English.
- For participation it is necessary to register on the website <http://conf.nsc.ru/temiip2018/ru> and submit the report title by **August 15**.
- Registration fee: 3500 rubles (students and graduate students - 1000 rubles). Participants will receive electronic versions of the abstracts and other conference materials.
- Accommodation of participants is planned in hotels of Akademgorodok and dormitories of Novosibirsk State University.

### Important dates

- **August 15, 2018** – the last day for registration and report's names submission.
- **August 31, 2018** - the last day of abstract submission.
- **September 20, 2018** - dispatch of notices on admission of abstracts.
- **October 10, 2018** - arrival of participants.
- **October 10-13, 2018** – the work of the School-Conference.



## International Program Committee



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