



INTERNATIONAL SCHOOL-CONFERENCE

"SOBOLEV READINGS"

**dedicated to the 110th anniversary of the birthday of
Sergei L. Sobolev**

December 10-16, 2018, Novosibirsk, Russia

The Sobolev Institute of Mathematics of the Siberian Branch of the Russian Academy of Sciences jointly with Novosibirsk State University are organizing the International School-Conference "Sobolev Readings", which continues a series of conferences dedicated to Sergei L'vovich Sobolev, an outstanding scientist of the 20th century. The conference will be held in Novosibirsk, December 10-16, 2018. This year the School-Conference will be dedicated to the 110th anniversary of the birthday of S.L. Sobolev.

The Opening Ceremony of the conference will be held on **December 10 at 09.30** in the Small Hall of the House of Scientists SB RAS.

Program

The range of topics that are within the scope of the conference includes (but is not limited to): partial differential equations, equations of mathematical physics, ordinary differential equations, delay differential equations, operator theory, spectral theory, function spaces, embedding theorems, approximation theory, cubature formulas.

The scientific program will include lecture courses, plenary lectures, and short communications. The lecture courses are intended for young scientists in order to acquaint them with the current state of investigations on the above mentioned topics. By tradition, one of the lecture courses will be devoted to S.L. Sobolev's article; moreover, this course will be given by a young scientist.

Lecture Courses

Professor S.N. Antontsev (University of Lisbon, Lisbon, Portugal)

Lecture course: *Evolution PDEs with nonstandard growth conditions*

Professor A. Guessab (Université de Pau et des Pays de l'Adour, Pau, France)

Lecture course: *Delaunay triangulation, Voronoi diagrams and applications*

Dr. L.N. Bondar (Sobolev Institute of Mathematics SB RAS, Novosibirsk, Russia)

Lecture course: *On the S.L. Sobolev's work "The wave equation for inhomogeneous medium"*

SECTIONS:

- **Partial Differential Equations**
- **Differential Equations of Mathematical Physics**
- **Differential-Difference Equations**
- **Analysis and Related Question**

The working languages of the conference are Russian and English.

Invitations have been sent to all participants whose talks are included in the conference program. Based on the reviews of the submitted abstracts, some talks are transferred from one section to another. The conference program will be published on the conference website one week before the conference.

For maximal regard for the wishes when preparing the program, we request to all participants, who received the invitations, to confirm the participation in the conference until November 20 at sr@math.nsc.ru. Otherwise, the Program Committee retain the right to transfer oral talks to posters.

For oral talks it will be offered a laptop and a multimedia projector. In each auditory, where will be the section talks, a blackboard, chalk and markers are available. In each section there will have a secretary who will help the participants with the presentation.

December 10	December 11	December 12	December 13	December 14	December 15
09.30-11.10 Opening Ceremony	09.00-10.30 Lecture Courses	09.00-10.30 Lecture Courses	09.00-10.30 Lecture Courses	09.00-10.30 Lecture Courses	09.00-11.00 Short Communications
	10.30-11.00 Coffee break	10.30-11.00 Coffee break	10.30-11.00 Coffee break	10.30-11.00 Coffee break	
11.10-11.30 Coffee break	11.00-12.30 Lecture Courses	11.00-12.30 Lecture Courses	11.00-12.30 Lecture Courses	11.00-12.30 Lecture Courses	11.00-11.30 Coffee break
11.30-12.50 Plenary Lectures					11.30-13.10 Short Communications
12.50-15.00 Lunch	12.30-15.00 Lunch	12.30-15.00 Lunch	12.30-15.00 Lunch	12.30-15.00 Lunch	13.10-15.00 Lunch
	12.30-14.00 Excursion to the Budker Institute of Nuclear Physics	12.30-14.00 Excursion to the Central Siberian Geological Museum	12.30-14.00 Excursion to the Museum of History and Culture of Nations of Siberia and the Far East		15.00-17.00 Short Communications

15.00-16.20 Plenary Lectures	15.00-16.20 Plenary Lectures	15.00-16.20 Plenary Lectures	15.00-16.20 Plenary Lectures	15.00-16.20 Plenary Lectures	
16.20-16.40 Coffee break	16.20-16.50 Coffee break	16.20-16.50 Coffee break	16.20-16.50 Coffee break	16.20-16.50 Coffee break	17.00 Closing Ceremony
16.40-18.40 Plenary Lectures	16.50-18.50 Short Communications	16.50-18.50 Short Communications	16.50-18.30 Short Communications	16.50-18.50 Short Communications	
19.00-21.00 Welcome Reception		16.50-21.00 Visit to the Novosibirsk Opera and Ballet Theatre	19.00-22.00 Conference Party		

Registration

The registration of participants will be held on **December 9 (Sunday) from 10.00 to 18.00** in the lobby of the hotel "Zolotaya Dolina" and on **December 10 (Monday) from 08.30 to 17.00** in the lobby of the Small Hall of the House of Scientists SB RAS. In other days you will be able to register individually in the room 217 at the Sobolev Institute of Mathematics.

Accommodation

Participants will be accommodated at the hotel "Zolotaya Dolina" of the Siberian Branch of the Russian Academy of Sciences, the hotel and dormitories of Novosibirsk State University. The hotels and dormitories are located at 15 minutes walking distance from the Sobolev Institute of Mathematics, Novosibirsk State University and House of Scientists SB RAS.

Accommodation prices in the hotel "Zolotaya Dolina" are listed below.

Room category	Price for a room/ berth, RUB/night	Price for a room/ berth, RUB/night
	for people who are not the participants of the conference	for the participants of the conference
Two rooms		
Suite Double	7200 / 3600	5800 / 2900

Semi-Suite Double with 1 bed	4500 / 2250	3600 / 1800
Suite Twin	4500 / 2250	3600 / 1800
One room		
Standard Double with 1 bed	3400 / 1700	2800 / 1400
Standard Twin	3400 / 1700	2800 / 1400
Standard Single	2300	1900

Accommodation prices in the hotel of Novosibirsk State University start at 1000 RUB per night for a place, the accommodation price in the dormitory of Novosibirsk State University is 750 RUB per night for a place.

The organizers of the conference request to all the participants, who need the accommodation, to inform the date and time of arrival and departure until November 23 at sr@math.nsc.ru. Otherwise, the Organizing Committee will not be able to guarantee a place in the hotel.

Welcome Reception and Conference Party

In the evening of **December 10** – the day of the Opening Ceremony – at the House of Scientists it will be held the Welcome Reception for the participants of the conference. The cost of the Welcome Reception is included in the registration fee.

In the evening of **December 13** in the restaurant of the House of Scientists it will be held the Conference Party. The cost of the ticket for the Conference Party is 3000 RUB. Since the number of seats in the restaurant of the House of Scientists is limited, the Organizing Committee request to the participants of the conference, who plan to take part in the Conference Party, to inform about their desire until **November 23** at sr@math.nsc.ru to reserve tickets. Tickets for the Conference Party will be available at the registration desk.

Ballet «La Bayadere»

On **December 12** we offer to visit the Novosibirsk Opera and Ballet Theatre and see the ballet «La Bayadere» (3 acts). Beginning at 19:00. Ticket price: 1000 RUB. If you would like to buy a ticket, please inform the Organizing Committee until **November 23** at sr@math.nsc.ru. **The number of tickets is limited.**



Novosibirsk Opera and Ballet Theatre is a symbol and pride of the Siberian region. Its construction was completed in February 1944 and the first performance took place on May 12, 1945. Novosibirsk Opera and Ballet Theatre is the largest theatre in Russia.

The theatre team has approved itself as one of the best musical and theatrical groups in the country, that is confirmed by participation in international and Russian festivals, many professional awards and bright performances in the repertoire, an extensive map of concert tours. After the reconstruction in 2005, the Opera and Ballet Theatre was recognized as the most modernly equipped theatre in Russia.

In 2009 the ballet «La Bayadere» was awarded the «Golden Mask» in the nominations:

Best Production
Best Conductor
Best Balletmaster
Best Actor
Best Designer
Best Light Designer



Excursions

Within the framework of the conference it will be organized **free** excursions:



Excursion to the Budker Institute of Nuclear Physics SB RAS

December 11

Excursion to the Central Siberian Geological Museum

December 12



Excursion to the Museum of History and Culture of Nations of Siberia and the Far East

December 13

If you would like to take part in excursions, please inform the Organizing Committee until **November 23** at sr@math.nsc.ru. **The number of tickets is limited.**

Important Dates

Arrival day: **December 9, 2018**

Opening ceremony: **December 10, 2018**

Closing ceremony: **December 15, 2018**

Departure day: **December 16, 2018**

Contacts

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URL: <http://www.math.nsc.ru/conference/sobolev/readings/2018/english/>

Address:

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Detailed information about the conference can be found at

<http://www.math.nsc.ru/conference/sobolev/readings/2018/english/>