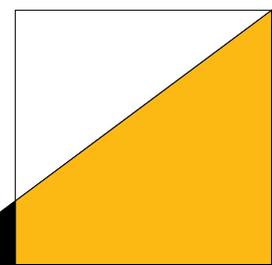




TWO YEARS TO ICM 2022

IN THIS ISSUE OF THE ICM NEWSLETTER (YOU CAN CLICK ON LINKS):

- greetings from [Tatiana A. Golikova](#), Deputy Prime Minister of the Russian Federation, Co-chair of the ICM EOC, and from [Alexander D. Beglov](#), Governor of St. Petersburg, ICM EOC member.
- [a word](#) from the organizers of the European Congress of Mathematics
- ECM prizes [announced](#)
- don't miss a chance to nominate your math hero for [the IMU prizes](#)
- [a new prize](#): Ladyzhenskaya Medal in Mathematical Physics
- [an update](#) on ICM 2022 satellites
- information about [Chebyshev grants](#) and [Kovalevskaya grants](#)



GREETINGS FROM TATIANA A. GOLIKOVA



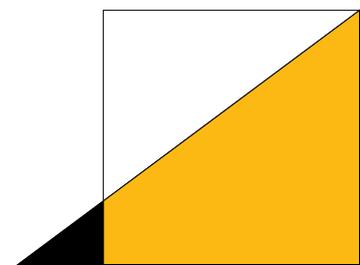
**TATIANA A. GOLIKOVA,
DEPUTY PRIME MINISTER
OF THE RUSSIAN FEDERATION,
CO-CHAIR OF THE
EXECUTIVE ORGANIZING
COMMITTEE OF ICM 2022**

Dear Future ICM participants!

As the entire world, including Russia, is fighting the COVID-19 pandemic, your heart and mind may be full of anxiety about the health of your loved ones, about the impact of the pandemic on our society, including science and education, as well as about the dangers of travels to far-away lands. I am confident: we will win this battle and will have a great ICM in 2022 in St. Petersburg. Despite the very difficult times, my colleagues in the Russian Government are working as we speak to put in place mechanisms for the visa-free entry for ICM participants, mechanisms to ensure easy and convenient administering of the grants for thousands of ICM participants, as well as many other components of such a complex and high-level event as an ICM.

We will support over twenty high level satellite events in different Russian cities, allowing you to enjoy more of Russia and helping to develop new contacts and collaborations. Starting with Sophya Kovalevskaya, Russia had many remarkable female mathematicians, and we especially encourage broader participation of women in all the activities of the congress. 2022 will mark the centenary of Olga Ladyzhenskaya, which will be celebrated at the ICM with an inaugural prize in her name. We will also support a special program helping young mathematicians from around the world to participate in the ICM – we hope they will form the basis for the future scientific and technological development of our world.

Stay healthy and safe, and come to St. Petersburg in two years!



GREETINGS FROM ALEXANDER D. BEGLOV



**ALEXANDER D. BEGLOV,
GOVERNOR
OF ST. PETERSBURG,
MEMBER OF THE EXECUTIVE
ORGANIZING COMMITTEE
OF ICM 2022**

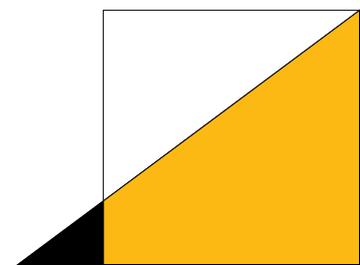
Dear Friends!

The city of Saint Petersburg is honored to host the 2022 International Congress of Mathematicians. Our city is among world's largest scientific centers and is the birthplace of the Russian mathematics. Russia's Northern Capital has always been home to world-renown scientists. In our city, we have prominent research facilities, and a large number of forums and scientific conferences are held here annually. Saint Petersburg has all the necessary congress, tourist and transport infrastructure for that.

Unfortunately, the pandemic has made corrections to this year's plans. But we are looking forward to seeing the participants and guests of the ICM in two years. You will experience and enjoy the hospitality of Saint Petersburg.

Our city has great intellectual and creative potential. We hope that the upcoming Congress will result in new discoveries and will inspire future generations to devote their lives to research and science.

I am eager to welcome every one of you in Saint Petersburg in July 2022!



A WORD FROM THE ORGANIZERS OF THE EUROPEAN CONGRESS OF MATHEMATICS



**TOMAŽ PISANSKI,
8ECM ORGANIZING COMMITTEE
CHAIR**



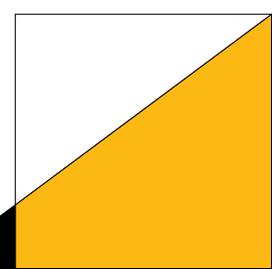
**KLAVDIJA KUTNAR,
8ECM ORGANIZING COMMITTEE
DEPUTY CHAIR, MEMBER OF
THE ICM 2022 INTERNATIONAL
ADVISORY COMMITTEE**

This Sunday, 5th July 2020, would mark the first day of the 8th European Congress of Mathematics, to be held in Portorož, Slovenia. As the world faced a widespread epidemic of COVID – 19, we all found ourselves in a position where we needed to brace ourselves for challenges ahead. It became clear that mathematicians have to adapt to a new reality. Rescheduling the 8ECM was not an easy decision to make, but thankfully we received full support from the European Mathematical Society, and most importantly, from the global mathematical community.

Encouraged by our quick and successful transfer to distance teaching, we have decided to offer remote participation, not only to those mathematicians who will be unable to attend the 8ECM in person, but also to the regular participants. Each registered participant will have the benefit of attending Congress events from home or even from the comfort of a hotel room, thus avoiding the crowds at the Congress centre but still having the possibility of meeting fellow mathematicians in person, and taking advantage of early summer in Portorož. Free-time activities, exhibitions, and all other accompanying events will be organized with respect to security health measures. All in all, the 8ECM organizers are committed to making the 8ECM the number one event of the year 2021.

Driven by the challenges we will have to face in the future, we are confident that this unfortunate pandemic will leave our community stronger, even better connected, and more hopeful in the upcoming years. After all, isn't this the purpose and beauty of mathematics – finding solutions to difficult problems?

Thank you very much.



CONGRATULATIONS TO THE ECM PRIZE WINNERS!

click on the names of the winners to go the ECM website



ALEXANDER EFIMOV



ALEXANDER LOGUNOV



PHAN THÀNH NAM



MARYNA VIAZOVSKA



JOAQUIM SERRA



JACK THORNE



ANA CARAIANI



KAISA MATOMÄKI



KARIM ADIPRASITO



SIMION FILIP



**ARNULF JENTZEN,
FELIX KLEIN PRIZE**



**KARINE CHEMLA,
OTTO NEUGEBAUER PRIZE**

NOMINATIONS FOR IMU PRIZES CLOSE DECEMBER 31, 2020



Fields Medal — recognizes outstanding mathematical achievement. It was first awarded in 1936. Chair of the 2022 Prize Selection Committee: Carlos E. Kenig
chair@fields22.mathunion.org



Chern Medal Award — is awarded to an individual whose accomplishments warrant the highest level of recognition for outstanding achievements in the field of mathematics, it was awarded for the first time in 2010. Chair of the 2022 Prize Selection Committee: Yakov Eliashberg
chair@chern22.mathunion.org



Abacus Medal — honors distinguished achievements in mathematical aspects of information science, it will be awarded for the first time in 2022. It replaces the Rolf Nevanlinna Prize which was awarded from 1982 to 2018. Chair of the 2022 Prize Selection Committee: James Demmel
chair@abacus22.mathunion.org



ICM Emmy Noether Lecture — honors women who have made fundamental and sustained contributions to the mathematical sciences, it was presented for the first time in 1994. Chair of the 2022 ICM Emmy Noether Lecture Committee: Sylvia Serfaty
chair@noether22.mathunion.org



Carl Friedrich Gauss Prize — is awarded for outstanding mathematical contributions that have found significant applications outside of mathematics, it was awarded first in 2006. Chair of the 2022 Prize Selection Committee: Eva Tardos
chair@gauss22.mathunion.org



Leelavati Prize — recognizes outstanding public outreach work for mathematics. The IMU awards the Prize since 2010. Since 2014 this Prize is sponsored by Infosys. Chair of the 2022 Prize Selection Committee: Pavel Etingof
chair@leelavati22.mathunion.org

NEW PRIZE ANNOUNCEMENT



LADYZHENSKAYA MEDAL
IN MATHEMATICAL PHYSICS



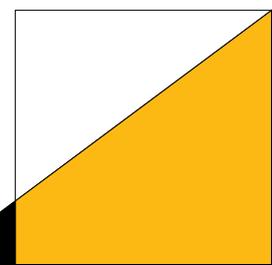
Olga Alexandrovna Ladyzhenskaya (1922-2004) occupies a very special place in the history of mathematics and mathematical physics in St Petersburg, Russia, and worldwide. Her theorems shaped the modern theory of Partial Differential Equations of mathematical physics. Through her lectures, seminars, and students, she inspired extraordinary advances in many other branches of mathematical physics, including Quantum Field Theory and Statistical Physics.

2022, the year of the St Petersburg ICM, will mark the 100th birthday of Olga Alexandrovna. The National Committee of Mathematicians of Russia, St Petersburg State University, and, for the inaugural prize, the Organizing Committee of the ICM establish a new prize in honor of Ladyzhenskaya to be awarded for the first time at a special event dedicated to Ladyzhenskaya Centennial during ICM 2022.

The Ladyzhenskaya medal in mathematical physics will be awarded every 4 years to recognize revolutionary results in or with applications to mathematical physics. This includes any existing or future area of research in mathematical physics and neighboring fields of mathematics.

The winner receives a medal and a cash award of 1 million rubles. If the main work is joint among several people, the committee may consider a shared prize. Full statutes of the prize may be found at icm2022.org.

Nominations should be submitted to the Chair of the 2022 Ladyzhenskaya Medal Committee Professor Giovanni Felder at giovanni.felder@math.ethz.ch. Each nomination should contain a detailed description of the work of the candidate and where it fits in the overall development of the field, including references. Nominations are confidential, and must not be disclosed to the candidate. The deadline for nominations is December 1, 2021.



ICM SATELLITES UPDATE

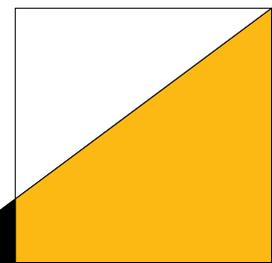


**JULIA PEVTSOVA,
UNIVERSITY OF WASHINGTON,
MEMBER OF THE LOCAL
ORGANIZING COMMITTEE**

As it has been a long standing tradition for the ICMs, the ICM in Saint Petersburg will be accompanied by many satellite conferences, held both in Russia and in neighboring countries. There will be satellite conferences and summer schools happening in Saint-Petersburg, Moscow, Nizhnij Novgorod and many other locations around Russia. We expect these events to contribute greatly to the overall success and attractiveness of the ICM as well as be an integral part of the “Year of Mathematics” in Russia which the year 2022 will be. The satellite conferences are expected to contribute to the advancement of Russian mathematics in many different ways: by bringing internationally renowned experts both to Saint-Petersburg and Moscow and to the regional scientific centers, by providing numerous development opportunities to the junior researchers from all over Russia and from abroad via special funding and events, such as summer schools and lecture series, associated with many of the satellites.

The deadline to apply for financial support for the satellites organized in Russia was on May 1st. The local organizing committee in collaboration with an expert advisory board is currently working on selecting the best candidates among a very diverse and impressive pool of applications. Funding decisions are expected to be announced by the end of August. While the deadline for applying for funding has passed, the local organizing committee will consider applications from scientific events — schools, workshops, conferences — happening around the ICM dates to be designated ICM satellites on an ongoing basis. The call for satellites ([link](#)) describes the criteria and a (straightforward) application process. We encourage our colleagues to tap into a huge pool of mathematical expertise and talent coming to the ICM and organize a satellite.

The Saint-Petersburg ICM will also continue on the new tradition which started in Brazil in 2018 by holding the WM² meeting, “the World Meeting of Women in Mathematics”, the day before the Congress. The WM² in Brazil was a very successful and extremely popular event, bringing together for the first time over 700 female mathematicians from all over the World. The ICM 2022 is looking forward to building and expanding on that success.



CHEBYSHEV GRANTS UPDATE



**OLGA GIL MEDRANO,
SECRETARY FOR POLICY,
IMU COMMISSION FOR
DEVELOPING COUNTRIES**

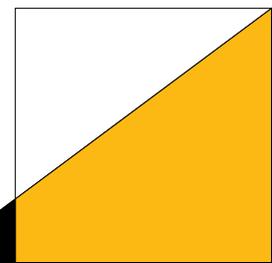
The Chebyshev Grants program provides full support — that is, airfare and local expenses in St Petersburg — to 1000 participants from the developing countries as defined by IMU for the period 2019-2022. See the IMU website for more information.

The application process and selection of candidates will be administered by the Local Organizing Committee in collaboration with the IMU Commission for Developing Countries (CDC). The selection will be merit-based with special attention given to participation by early-career mathematicians and women, as well as to geographic balance.

To deal with this important evaluation process IMU-CDC has appointed 36 expert mathematicians established in developing countries, all over the world, taking into account geographical, mathematical area and gender balances; in particular half of the members and chairs are women.

This Selection Committee is divided into 6 panels corresponding to the following regions: Africa, Latin America, Northeastern Asia, Southeastern Asia & Pacific, Western Asia (the East boundary of the region is the union of the West boundaries of China and India) and Eastern Europe.

**FROM THE LOC:
PLEASE HELP US SPREAD THE WORD ABOUT THE CHEBYSHEV GRANT!
THE APPLICATION PROCESS WILL START AS SOON AS THE
ICM REGISTRATION OPENS ON ICM2022.ORG
(SCHEDULED FOR DECEMBER 2020).**



KOVALEVSKAYA GRANTS UPDATE



**DMITRY BELYAEV,
UNIVERSITY OF OXFORD,
MEMBER OF THE LOCAL
ORGANIZING COMMITTEE**

One of the main aspirations of the Local Organizing Committee is to promote the Congress among mathematicians in the early stages of their careers. It is our strong belief that they will strongly benefit from attending the Congress and that the ICM itself is unthinkable without a massive participation of younger colleagues. On our side, we plan for many events at the ICM and around, aimed at junior participants.

To further increase the number of younger ICM participants we are going to award Kovalevskaya grants that will cover all local expenses for 1000 young mathematicians from all over the world.

All participants, whose home mathematical societies or funding agencies chose to participate in the scheme, are eligible to apply for Chebyshev grants. Kovalevskaya grant will be administered by participating mathematical societies, who will also cover the travel expenses. Information about application procedures will appear on the ICM website in the beginning of 2021.

Already several countries agreed to take part in Kovalevskaya grants. We would like to use this opportunity to encourage our colleagues from other national mathematical societies and funding agencies to express interest and contact the LOC about participating in this scheme soon. As for our younger colleagues, we are waiting to see you in St. Petersburg and will do our best to make ICM 2022 a very enjoyable and useful event!

**FROM THE LOC:
ALL COUNTRIES ARE WELCOME TO PARTICIPATE IN THE PROGRAM!
WE ASK YOU TO SELECT YOUNG MATHEMATICIANS AND SUPPORT
THEIR TRAVEL, AND WE WILL COVER ALL LOCAL EXPENSES.
ASK YOUR NATIONAL MATHEMATICAL SOCIETY OR FUNDING AGENCY
TO CONTACT THE LOC ABOUT PARTICIPATING IN THE PROGRAM
BEFORE DECEMBER 2020.**

