

**ABOUT THE VI INTERNATIONAL CONGRESS
OF THE TURKIC WORLD MATHEMATICAL SOCIETY (TWMS-2017)**

The VI Congress of the Turkic World Mathematical Society (TWMS-2017) was held through October 2-5, 2017 in Astana at the L.N. Gumilyov Eurasian National University.

International Congresses of the Turkic World Mathematical Society are traditionally held once every three years. The main goal of the Congress is expansion of international relations and scientific cooperation of scientists of the Turkic world, development of mathematical science and application of the achievements of mathematics and information technology in scientific research. The Congresses of the Turkic World Mathematical Society determine the main directions for development of theoretical and applied mathematics, and reward scientists who have made a significant contribution to development of mathematical science. Not only representatives of the Turkic countries take part in the Congresses of the Turkic World Mathematical Society, but also leading scientists of other countries are invited.

The Turkic World Mathematical Society was established in 1999 and unites mathematicians from Azerbaijan, Kazakhstan, Kyrgyzstan, Russia, Turkey, Turkmenistan, Uzbekistan and other countries. The I Congress of mathematicians of the Turkic world was held in Turkey in 1999 at the University of Firat (Elazig, Turkey), the II Congress was held in 2007 in Turkey at the Sakarya University (Adapazary, Turkey), the III Congress was held in 2009 in Kazakhstan at the Al-Farabi Kazakh National University (Almaty, Kazakhstan), the IV Congress was held in 2011 in Azerbaijan at the Baku University (Baku, Azerbaijan), the V Congress was held in 2014 in Kyrgyzstan on the shore of the Lake Issyk-Kul (Issyk-Kul, Kyrgyzstan).

The VI Congress of the Turkic World Mathematical Society TWMS-2017 started on Monday October 2, 2017, with opening speeches by Bakytzhan Zhumagulov, President of the Kazakhstan Mathematical Society, academician of the National Academy of Sciences of Kazakhstan, deputy of the Senate of the Parliament of the Republic of Kazakhstan, Altai Borubayev, academician, President of the TWMS, Kyrgyzstan, Fikret Aliyev, academician of the National Academy of Sciences of Azerbaijan, Vice-President of the TWMS, Azerbaijan, Hacisalihoğlu Hilmi, Honorary President of the TWMS, Turkey, Victor Burenkov, Professor RUDN University, Moscow, Russia.

At the VI Congress of the TWMS 2017, topical and modern problems of mathematics were considered in the following areas: algebra and mathematical logic, geometry and topology, theory of functions, differential equations and mathematical physics, probability theory and mathematical statistics, computational mathematics, control theory and optimization methods, mathematical modeling, theoretical foundations of information technology, history and methodology of teaching mathematics. By the beginning of the Congress, a collection of abstracts and a programme of the Congress were published.

The peculiarity of the Congress TWMS-2017 was that an international conference, a mini-symposium, and a workshop were held in the framework of the Congress:

- 1) international conference "Functional Analysis in Interdisciplinary Applications", dedicated to the 75th birthday of academician of the National Academy of Sciences of Kazakhstan, Mukhtarbay Otelbaev,
- 2) mini-symposium "Inverse and Ill-posed Problems and its Applications",
- 3) workshop "Mathematical Modeling".

There were 330 participants at the Congress of TWMS 2017: 29 from Kyrgyzstan, 25 from Russia, 20 from Turkey, 6 from Turkmenistan, 6 from Uzbekistan, 5 from Azerbaijan, 1 from Tajikistan, and also participants from Poland, Germany, United Arab Emirates and Kazakhstan.

During the Congress a plenary talks were given by Professors Fikret Aliyev (Azerbaijan), Mirsaid Aripov (Uzbekistan), Kadri Aslan (Turkey), Abdulla Azamov (Kazakhstan), Altai Borubayev (Kyrgyzstan), Victor Burenkov (Russia), Vagif Guliyev (Azerbaijan), Sergey Kabanikhin (Russia), Tynysbek Kalmenov (Kazakhstan), Erlan Nursultanov (Kazakhstan), Etibar Panahov (Turkey), Pavel Pankov (Kyrgyzstan), Yaudat Sultanayev (Bashkortostan, Russia), Durvudhan Suragan (Kazakhstan).

During the Congress, a meeting of the Board of the Turkic World Mathematical Society was held, where the following decisions were made:

1) the cities Tashkent or Samarkand were recommended as a venue for the next VII Congress, (TWMS-2020) (at the discretion of the delegation from Uzbekistan),

2) Bakytzhan Zhumagulov, academician of the National Academy of Sciences of Kazakhstan, was elected new president of the Turkic World Mathematical Society,

3) the title of Honorary President of the Society was awarded to Altai Borubaev, academician of the National Academy of Sciences of Kyrgyzstan,

4) there were elected vice-presidents of the Turkic World Mathematical Society:

Fikret Aliyev, academician of the National Academy of Sciences of Azerbaijan,

Abdulla Azamov, Chairman of the Mathematical Society of Uzbekistan,

Nurzhan Bokayev, Professor of the L.N. Gumilyov Eurasian National University (Kazakhstan),

Asylbek Chekeev, Vice-rector of the Balasugun Bishkek University (Kyrgyzstan),

Maral Meredova, Professor of the Eastern Mediterranean University (Turkmenistan),

Etibar Panahov, Professor of the Firat University (Turkey).

5) there were elected members of the Board of the Turkic World Mathematical Society:

Allaiberen Ashraliyev (Turkmenistan), Mahmut Ergut (Turkey), Vagif Guliyev (Azerbaijan), Tynysbek Kalmenov (Kazakhstan), Akylbek Kerimbekov (Kyrgyzstan), Shukhrat Lakaev (Uzbekistan), Aripov Mirsaid (Uzbekistan), Murat Tosun (Turkey), Tagi Zadeh (Azerbaijan), Amanbek Zhainakov (Kyrgyzstan),

6) for significant contribution to development of mathematical science, TWMS diplomas were awarded to:

Allaberen Ashraliyev (Turkmenistan), Asylbek Chekeev (Kyrgyzstan), Etibar Panahov (Turkey), Mahmud Sadybekov (Kazakhstan),

7) for the best scientific works of young mathematicians, TWMS diplomas were awarded to: N. Gadzhieva (Azerbaijan), A. Khudaiberdiev (Uzbekistan), Durvudhan Suragan (Kazakhstan)

The Congress TWMS-2017 once again confirmed its importance as a platform for discussing scientific results in mathematics, for presenting its professional developments in a broad area, establishing reliable and mutually beneficial relations with partners and professionals in the field of mathematics. The event allowed to spend a few days in the company of colleagues, not only pleasant and interesting, but also of great benefit to all the participants.

Nurzhan Bokayev,

Chairman of the Organizing Committee

of the VI Congress of the Turkic World Mathematical Society (TWMS-2017)

