



*From Gagarin's first Orbit to International Space Journey*

XXIII INTERNATIONAL SYMPOSIUM

**HUMAN IN SPACE**

APRIL 5-8, 2021 | MOSCOW | RUSSIA



**INTERNATIONAL ACADEMY OF ASTRONAUTICS (IAA)**

**STATE SPACE CORPORATION "ROSCOSMOS"**

**MINISTRY OF SCIENCE AND HIGHER EDUCATION  
OF THE RUSSIAN FEDERATION**

**RUSSIAN ACADEMY OF SCIENCES (RAS)**

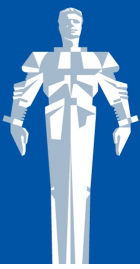
**INSTITUTE OF BIOMEDICAL PROBLEMS  
OF THE RUSSIAN ACADEMY OF SCIENCES (IBMP)**

### **Call for Papers**

On behalf of the International Academy of Astronautics, the State Space Corporation "Roscosmos", Ministry of Science and Higher Education of the Russian Federation, the Russian Academy of Sciences, and the Institute of Biomedical Problems we are pleased to invite you to submit an abstract for the Human in Space Symposium to be held on April 5-8, 2021 in Moscow, Russian Federation.

Human deep space exploration can be successfully realized only with the cooperation of scientists and specialists from different countries. For many years the Human in Space Symposium, regularly organized by space agencies and organizations of different countries under the auspices of International Academy of Astronautics (IAA), has been being a platform for a fruitful discussion of fundamental problems and practical issues, exchange of research results and ideas in space biology and medicine. Each HIS is a significant milestone on the path of human space exploration. The Symposium will be organized as a set of plenary and technical sessions and panels in the areas listed below:

- 60th Anniversary of the First Human Space Flight
- Medical Support in the Autonomous Flight
- Radiation during Deep Space Exploration: Risk Estimation and Countermeasure
- Interplanetary Missions: Vision of Astronauts/Cosmonauts
- The Problems of Muscle and Bones Maintenance during Long-Term Missions
- Changes in Cardiovascular and Pulmonary Systems as a Risk of Interplanetary Missions
- Neuroscience, New Approaches and Concepts for SANS/VIIP Risk Prevention



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- Space Psychology and Human Factors in Interplanetary Missions
- Neuroscience Problems in Deep Space Missions
- Exercise and Countermeasures in the Interplanetary Missions, Countermeasure Evaluation
- Women in Space
- SIRIUS project
- Artificial Gravity
- Bedrest, Immersion and Other Models
- Risk of Hypomagnetic environment
- Space Medicine in Prevention and Treatment of COVID-19
- Space Medicine Technologies helping to solve Public Health Purposes
- Transcriptomics and Genomics in Space – Personalized Medicine
- Immunology and Biochemistry for Personalized Medicine
- Food and Nutrition during Deep Space Missions
- Mars Exploration
- Artificial Intelligence, VR, Telemedicine in Interplanetary Missions and on the Earth
- Life Support System and Habitats
- Astrobiology, Space Biology and Space Biotechnology
- Multidisciplinary Studies related with Humans in Space
- Education and Outreach
- Space Technologies helping to solve Public Health Purposes
- Commercial Spaceflight / Space Tourism

The best papers of the Symposium will be published at the special issue of Acta Astronautica.

## **ABSTRACT SUBMITTAL:**

Abstracts of up to 500 words are invited and must indicate the area of interest, type of presentation (oral or poster), the precise title of the paper, the author's full name and affiliation, and complete contact information including an email address. The language of the conference is English. Abstracts in the areas described above or related to Space Medicine and Biology will be accepted electronically through the conference email [his\\_2021@bk.ru](mailto:his_2021@bk.ru). Please, be sure to designate the topic area your paper addresses (see topics listed above). The deadline for receipt of abstracts is January 15, 2021.



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## **VENUE:**

Russia, Moscow, Radisson Blu Slavyanskaya Hotel and Business Centre.

The final decision about the format of the conference will be taken in the mid of January 2021.

## **KEY DATES:**

March 23, 2020: Date of first announcement

October 30, 2020: Call for Papers and Opening of Registration

January 15, 2021: Abstract submission deadline

February 10, 2021: Early Bird Registration

April 5-8, 2021: Symposium

## **CONFERENCE WEBSITE:**

For more detailed information, please, visit the website:

<https://iaaspace.org/event/23rd-iaa-humans-in-space/>