ROSCOSMOS State Corporation for Space Activities

"Yu.A. Gagarin Research & Test Cosmonaut Training Center"
Federal State Budgetary Organization

"Yu.A. Gagarin Research & Test Cosmonaut Training Center" Federal State Budgetary Organization with the assistance of the ROSCOSMOS State Corporation for Space Activities will hold the 16th International Scientific and Practical Conference "Manned Space Flights" December 3–5, 2025 in Star City.

The Conference languages are Russian and English.

The purpose of the Conference is to evaluate the current level of research and bottom lines in the sphere of building and use of manned spacecraft as well as the selection, training and professional activity of cosmonauts aboard manned space vehicles and their post-flight rehabilitation.

The Conference program provides for the following scientific topics:

Section 1 **Professional activity of cosmonauts (selection, training, space flight), issues of creation, flight tests, and operation of manned space objects.**

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Section 2 **Scientific-applied research and experiments in space.**

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Section 3 Technical facilities for cosmonaut training.

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Section 4 Problems of the centrifuges operation and their use for cosmonaut training.

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Section 6 Medical and psychological aspects of the selection, training, and in-flight activity of crews and their post-flight rehabilitation.

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Section 7 Innovative information technologies for ensuring cosmonaut training.

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Section 8 Youth for the present and future of human space exploration.

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Co-chair: Kubrushko Petr Fedorovich
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The Conference scientific program provides for:

- Plenary session;
- Poster papers;
- Roundtable scientific discussions;
- Exhibition.

The Russian and foreign cosmonauts and astronauts, scientists, engineers, designers, and experts in allied fields are invited to take part in the Conference.

A sourcebook will be issued before the Conference begins.

Applications for participation (e-file in Word format) and theses of reports (e-file in Word format) and the scanned copy of the expert opinion on the possibility of

open publication of theses should be forwarded to the appropriate e-mail addresses of chairmen and secretaries.

The deadline for submission of applications is October 15, 2025.

The submitted theses should meet the requirements available on the website of the "Gagarin R&T CTC" FSBO www.gctc.ru under "The 16 the International Scientific and Practical Conference". Electronic versions of theses should be forwarded to the Organizing Committee only once in the final formulation. The Organizing Committee doesn't edit received theses, the responsibility for the content and design of theses lies on authors.

The deadline for submission of theses is October 15, 2025.

Section No. 7 "New information technologies for ensuring cosmonaut training" will be held on June 4-5, 2025 in the panel format to discuss the issues of the integration of current IT-solutions in the project look of technical facilities to train cosmonauts for the ROS.

Detailed information on the Conference conditions and related events is available on the site www.gctc.ru of the "Gagarin R&T CTC" FSBO under "The 16th International Scientific and Practical Conference".

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