



РКК «Энергия»
им. С.П.Королева



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Администрация
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INTERNATIONAL ACADEMY OF ASTRONAUTICS

IAA Human Space Exploration Conference

HSE 2016



**In commemoration of the 55th anniversary
of the first human space mission by Russian Yury Gagarin**



Call for Papers

May 24 - 26, 2016
Korolev, Moscow Region, Russia

Introduction:

International Conference «Human Space Exploration» (HSE) is held by S.P. Korolev Rocket Space Corporation Energia under the aegis of International Academy of Astronautics (IAA), with support from ROSCOSMOS and Korolev city administration. The Conference is dedicated to 55-th anniversary of the first human space mission by Russian Yury Gagarin. IAA and ROSCOSMOS decided to hold this event in Russia, in space science city Korolev, in a birthplace of the space exploration history. HSE is organized in anticipation to next IAA Heads of Space Agencies Summit (HOSA). Since 2010, IAA has arranged three similar Summits, representing platforms for parity-based dialogues on future goals of space exploration. On the grounds of these world forums honored space leaders and amateurs in this area discuss nowadays problems of astronautics. Topics to be reviewed at the forth Summit scheduled for early 2017 include planetary robotic and human space flight exploration.

Recommendations of HSE-2016 participants will serve as basis for conclusions to be submitted by International Academy of Astronautics to the heads of space agencies. HSE-2016 Program Committee is chaired by Prof. Anatoly N. Perminov, IAA Vice President responsible for Academy's scientific activities, and Deputy Director General, Deputy Designer General at JSC Russian Space Systems and Vladimir L. Solntsev, RSC-Energia President, leads local Organizing Committee of the Conference.

Program Committee:

Name	Position, organization
Anatoly N. Perminov (Chairman – Program Committee)	Vice President – Scientific Activities, IAA; Deputy Director General, Deputy Designer General, JSC Russian Space Systems
Vladimir L. Solntsev (Chairman – Organizational Committee)	President, S.P.Korolev RSC-Energia
Afonin, Andrey Yu.	Director General, IPK Mashpribor company, URSC, Russia
Alifanov, Oleg M.	Head of Space Systems and Rocket Design Department, Moscow Aviation Institute, Russia
Back-Impallomeni, Elizabeth	Professor, University of Padua, Italy
Barmin, Igor V.	President, K.E.Tsiolkovsky Russian Academy of Astronautics, Russia
Contant, Jean-Michel	Secretary General, IAA, France
Crocker James	Vice President & General Manager, Civil Space Lockheed Martin Space Systems Company
Genta Giancarlo	Professor, Politecnico di Torino, Torino, Italy
Gerstenmaier, William H.	Associate Administrator for Human Exploration and Operations, NASA, USA

Name	Position, organization
Kosmodemiansky, Evgeny V.	Deputy Designer General, Scientific Activities, RSC Progress, Russia
Krikalev, Sergey K.	Deputy Director General, TSNIIMASh state company, cosmonaut, Russia
Lazutkin, Alexander I.	Deputy Designer General, Zvezda R&D company, cosmonaut, Russia
Lonchakov, Yury V.	Head, Yu. Gagarin Cosmonaut Training Center, cosmonaut, Russia
Makarov, Yury N.	Head of Department, Federal Space Agency, Russia
Moiseev, Nikolai F.	Deputy Chair, Scientific and Engineering Board, Federal Space Agency, Russia
Orlov, Oleg I.	Director, Institute of Biological and Medical Problems, Russia
Pischel, Rene	Head, ESA Permanent Mission in Russia, EU
Savinykh, Victor P.	President, Moscow Institute of Geodesy and Cartography, USSR Cosmonaut, Russia
Tiulin, Andrey E.	Director General, JSC Russian Space Systems
Suchet Lionel	Director Innovation, Application and Science, CNES, France
Yang Hong	Professor, Institute of Manned Space System, China Academy of Space Technology (CAST).
Zeleny, Lev M.	Vice President, Russian Academy of Sciences, Director, Institute of Space Research, Russia

Plenary Session:

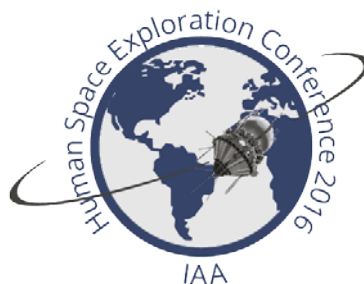
Plenary Session is to commemorate 55-th anniversary of Yu. Gagarin's space mission, as well as 15 years of International Space Station's (ISS) first crew long-term mission. The Plenary planned for May 24, 2016, is supposed to gather administrative personnel and employees of world space agencies, managers and experts of space industry, engineers and scientists. Multiple topics to be covered include not only speeches, which mark the most important steps in space exploration by humans, but also pragmatic issues, such as changes which occurred in the ISS within past years, influence of circumstances on the Earth on cooperation in space, etc. The participants will try to provide their overview of the ISS outcome for the humankind. Cosmonauts and astronauts will share their memories about unforgettable moments in LEO. Engineers will reveal their future exploration plans for the Moon, Mars, other planets.

Technical Sessions:

Seven technical sessions are to take place on May 25:

1. International cooperation in human space missions: current status and future goals

2. Scientific research carried out by humans in space. Objectives and prospects
3. Biomedical problems of human space missions. Space flight influence on human body
4. Application of automatic and robotic systems in human space missions
5. Future human space projects. Scientific approach and concepts
6. Functions of state and business in space exploration. Economics and management
7. Human resources; Training; Educational programs; Popularization of human space exploration



Important Dates:

First announcement	July 2015
Web-site Registration Opening	January 2016
First Call for Papers,	January 2016
Early Bird Registration	March 15, 2016
Abstract Submission	April 1st, 2016
Abstract Acceptance Notice	April 30, 2016
Final HSE Program	March 30, 2016
Plenary Session	May 24, 2016
Technical Sessions	May 25, 2016
Tours to Russian Companies of Space Industry	May 26, 2016

Venue:

Korolev, Moscow region, Russia
 Plenary Session – Korolev Culture Center (Kalinin Culture Center)
 Address: 1, Tereshkova st., Korolev, Moscow region, Russia
 Technical Sessions: Mashpribor Complex
 Address: 12, Oktyabrsky boulevard, Korolev, Moscow region, Russia

For more information please visit

www.hse2016.com

