



# Korea-Russia Space S&T Workshop

**Venue** Moscow Aviation Institute, Moscow

**Date** November 22, 2017



Organized by



**KORUSTEC**  
Korea Russia Science & Technology Cooperation Center



Sponsored by



**National Research  
Foundation of Korea**

Hosted by



**과학기술정보통신부**  
Ministry of Science and ICT

 **PROGRAM**

■ **Opening Session (Moderator : Mr. Kaisin Dmitry)**

- 09:00~10:00 Registration
- 10:00~10:05 Opening Remarks by Dr. Ravikovich Yuri, Vice Rector, Moscow Aviation Institute
- 10:05~10:10 Welcoming Address by Dr. Kim, Tae Hee, Director, Korea Russia Science & Technology Cooperation Center
- 10:10~10:15 Congratulatory Remarks by Mr. Kang, Daesoo, Minister, Embassy of the Republic of Korea

■ **Session 1 : Satellite/Spacecraft R&D Programs (Chairperson : Prof. Choi, Jeong-Yeol)**

- 10:15~10:30 Prof. Choi, Jeong-Yeol, Pusan National University  
*Introduction to the Space Research and Development Programs of Korea*
- 10:30~10:45 Prof. Alexander Kozlov, Moscow Aviation Institute  
*Space Transport System with Combined Rocket and Ramjet Propulsion*
- 10:45~11:00 Prof. Denis Mescheryakov, Moscow Aviation Institute  
*Wide-range ramjet engine as part of combined propulsion for space transport system*
- 11:00~11:15 Prof. Lee, Chang Jin, Konkuk University  
*Perspective of Korean Lunar Exploration Program: Current Status and Future*
- 11:15~11:30 Prof. Yury Matveev, Moscow Aviation Institute  
*Forecasting Characteristics of Perspective Space Monitoring Equipment*
- 11:30~11:40 Q&A from Floor

 **Coffee Break 11:45-12:00**

■ **Session 2 : Earth Observation (Chairperson : Assistant Prof. Dmitry Kruzhkov)**

- 12:00~12:15 Prof. Park, Il Hung, Sungkyunkwan University  
*16 years of SKKU-MSU Collaboration for Study of Extreme Universe*
- 12:15~12:30 Prof. Vladimir Lamzin, Moscow Aviation Institute  
*The Modernization and Efficiency of Space Systems of Earth Remote Sensing*



- 12:30~12:45 Prof. Jo, Myung-Hee, Kyungpook National University  
*Earth Observation Missions Using Korean Satellite Series*
- 12:45~13:00 Prof. Veniamin Malyshev, Moscow Aviation Institute  
*Modern Approach to Development of Mathematical Model of Obtaining and Distribution of Target Information of ERS from Different Cams by Ground Items of Treatment*
- 13:00~13:15 Assistant Prof. Dmitry Kruzhkov, Moscow Aviation Institute  
*Earth Rotation Parameters Estimation using both Range-on Request and Pseudorange Measurement Data*
- 13:15~13:25 Q&A from floor

### Lunch Time 13:30–14:30

#### ■ Session 3 : Small Satellite Application (Chairperson : Prof. Jeung, In Seuck)

- 14:30~14:45 Dr. Hwang, Junga, Korea Astronomy and Space Science Institute  
*SNIFE Mission: Nano-satellite Constellation for Ionospheric and Magnetospheric Research*
- 14:45~15:00 Prof. Sergey Firsyuk, Moscow Aviation Institute  
*Experience of Creating Small Satellites for Educational and Scientific Appointment in Moscow Aviation Institute*
- 15:00~15:15 Prof. Jeung, In Seuck, Seoul National University  
*The Development of Cubesat Series, SNUSAT, in Seoul National University*
- 15:15~15:30 Mr. Ivan Kosenkov, SKOLKOVO  
*Role of SKOLKOVO in the Development of Russian Private Space Industry*
- 15:30~15:45 Prof. Ryu, Kwangsun, Korea Advanced Institute of Science and Technology  
*Application of Small Satellites in Ionospheric Research: Perspectives of Seismo-Ionospheric Coupling and Earthquake Prediction*
- 15:45~15:55 Q&A from Floor
- 15:55~16:00 Wrap-up and Adjourn by Chairperson of Session 3

### Lab-Tour

On Nov. 23, Lab-Tour for Korean delegation will be organized by MAI



# Korea-Russia Space S&T Workshop

Organized by |



**KORUSTEC**  
Korea-Russia Science & Technology Cooperation Center



Sponsored by |



**National Research  
Foundation of Korea**

Hosted by |



**과학기술정보통신부**  
Ministry of Science and ICT