

INTRODUCTION TO Rocket and Satellite Engineering

INTERNATIONAL ONLINE CERTIFICATE PROGRAM



Министерство
науки и высшего
образования
Российской Федерации



Skoltech



ANALOG
ASTRONAUT
TRAINING
CENTER



What you will learn:

- Fundamental of rocket and satellite systems, functions and features
- The full spectrum of rocket systems, uses and technologies
- Optimum Selection and Design strategies
- Fundamentals of Remote Sensing
- Fundamentals and uses of solid, liquid and hybrid rocket systems, newest materials for space
- Human Spaceflight Research
- How to maintain Health and well-being in spaceflights
- Fundamental aspects of International Space Law

Who should attend:

- Engineers, Managers, Teachers and Specialists in all aspects of Space Development.
- Government and Aerospace decision makers
- Space Enthusiasts, Students above 14+

Speakers



Prof. Natan Eismont

Head Scientist,
Space Research Institute (IKI) of Russian Academy of Sciences.



Prof. Wu Ji

National Space Science Center (NSSC, CAS), Beijing, China.
Vice-president of Committee for Space Research (COSPAR)



Dr Jayakumar Venkatesan

Chief Executive Officer, Valles Marineris, India
Deputy Chairman, International Academy of Space Law, Russia
Chief Technology Officer, Synergy Moon, USA
Visionary, UpGreat Technology Contests, Russia

Speakers



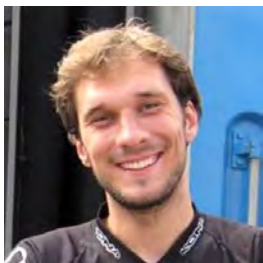
Mark Serov

Research Cosmonaut at S7 Space, Russia



Dmitri Petelin

Test Cosmonaut, Yuri Gagarin Cosmonaut Center, ROSCOSMOS



Ivan Oseledets

Full Professor, Center for Computational and Data-Intensive Science and Engineering, the Skolkovo Institute of Science and Technology (Skoltech).
Russia

Speakers



Prof. Alessandro Golkar

Associate Professor and Technology Development Director
at the Skolkovo Institute of Science and Technology
(Skoltech). Russia



Dr. Agata Kołodziejczyk

Director of Scientific Projects, Analog Astronaut Training Center, Poland
Director (Advanced Concepts)
VallesMarineris India



Dr Jayaraman Kandaswamy

Visiting professor, TUBITAK research fellow,
Middle East Technical University, Ankara, Turkey.
Director (Propulsion Systems)
VallesMarineris India

Speakers



Dr. Raghavendra Belur Jana

Senior Research Scientist,
Skoltech Center for Computational and Data-Intensive
Science and Engineering (CDISE), Russia



Vitaliy Egorov

Analyst and Popularizer of space research, blogger Zelenyikot, administrator of popular science groups Vkontakte Open space and Curiosity-Rover.
Public relations specialist for the private space company "Dauria Aerospace".



Vasily Lvovich Petrov

Lomonosov Moscow State University | MSU ·
Research fellow,
Skobeltsyn Institute of Nuclear Physics.

Speakers



Prof. Reshetov Vladimir N

Professor

Office of Academic Programs: Division of Laser and Plasma
Technologies (412) / Institute of Laser and Plasma
Technologies, National Research Nuclear University MEPhI

Schedule

April 12, 2020 12 p.m. GMT +03:00	April 13, 2020 12 p.m. GMT +03:00	April 14, 2020 12 p.m. GMT +03:00
<p>Welcome webinar - Dr Jayakumar Venkatesan and Ekaterina Asmolova</p> <p>Greeting message from ROSCOSMOS</p> <p>Greeting message from Ministry of science and higher education of Russia</p>	<p>Introduction to Space Science Prof. Natan Eismont Head Scientist, Space Research Institute (IKI) of Russian Academy of Sciences.</p> <p>02 p.m. GMT +03:00 Prof. Wu Ji National Space Science Center (NSSC, CAS), Beijing, China. Vice-president of Committee for Space Research (COSPAR)</p> <p>05 p.m. GMT +03:00 Vitaliy Egorov Analyst and Popularizer of space research, blogger Zelenyikot, administrator of popular science groups Vkontakte Open space and Curiosity-Rover.</p>	<p>Introduction to Aerospace Engineering Prof. Alessandro Golkar Associate Professor and Technology Development Director at the Skolkovo Institute of Science and Technology (Skoltech). Russia</p> <p>02 p.m. GMT +03:00 Elements of Rocket and Satellite systems Mark Serov Research Cosmonaut at S7 Space company. Russia</p> <p>05 p.m. GMT +03:00 Dr Jayaraman Kandaswamy Visiting professor, TUBITAK research fellow, Middle East Technical University, Ankara, Turkey. Director (Propulsion Systems) VallesMarineris India</p>

Schedule

April 15, 2020
12 p.m. GMT +03:00

Introduction to Satellite Engineering

Vasily Petrov

Lomonosov Moscow State University, Research fellow,
Skobeltsyn Institute of Nuclear Physics.

02 p.m. GMT +03:00

Introduction to Remote Sensing

Prof. Ivan Oseledets

Full Professor, Skoltech Center for Computational and
Data-Intensive Science and Engineering (CDISE), Russia

05 p.m. GMT +03:00

Dr. Raghavendra Belur Jana

Senior Research Scientist,
Skoltech Center for Computational and Data-Intensive
Science and Engineering (CDISE), Russia

April 16, 2020
12 p.m. GMT +03:00

Human Spaceflight Research

Dmitri Petelin

Test Cosmonaut
Yuri Gagarin Cosmonaut Training Center, ROSCOSMOS

02 p.m. GMT +03:00

Dr Jayakumar Venkatesan

Chief Executive Officer, Valles Marineris, India
Deputy Chairman, International Academy of Space Law, Russia
Chief Technology Officer, Synergy Moon, USA

05 p.m. GMT +03:00

Dr. Agata Kołodziejczyk

Director of Scientific Projects, Analog Astronaut Training
Center, Poland
Director (Advanced Concepts)
Valles Marineris India

Schedule

April 17, 2020

12 p.m. GMT +03:00

[New Space Industry](#)

Prof. Alessandro Golkar

Associate Professor and Technology Development Director at the Skolkovo Institute of Science and Technology (Skoltech). Russia

02 p.m. GMT +03:00

Prof. Reshetov Vladimir N

Professor, Office of Academic Programs: Division of Laser and Plasma Technologies (412) / Institute of Laser and Plasma Technologies, National Research Nuclear University MEPhI

05 p.m. GMT +03:00

[Introduction to International Space Law](#)

Dr Jayakumar Venkatesan

Deputy Chairman, International Academy of Space Law, Russia

09 p.m. GMT +03:00

[Closing webinar](#) - Dr Jayakumar Venkatesan and Ekaterina Asmolova

Contacts

All the participants would receive certificates.

For more information, please, contact us

Email: e.asmolova@festivalnauki.ru

+79017591772 — Ekaterina Asmolova

For registration as a student | participant, please, follow the link:

<https://festnauki.timepad.ru/event/1295122/>

