

# FROM IMAGERY TO MAP:



digital  
photogrammetric  
technologies

16<sup>th</sup> International  
Scientific and Technical  
Conference

## Conference Program



### Organizer



**Racurs**  
(Moscow, Russia)

### Partner



**OPSIS SYSTEM**  
(Kolkata, India)

### Supported by

- **International** Society for Photogrammetry and Remote Sensing (ISPRS)
- State Space Corporation **ROSCOSMOS**
- **Russian** Society of Geodesy, Cartography and Land Management
- GIS-Association **Russia**

# Conference Program

## Monday, November 14

08:00-09:00 **Registration**

09:00-18:00 Themes of the day:  
**Common Geomatic Problems**  
**Aerial and UAV Survey**  
**3D Modeling**  
**DPW PHOTOMOD & practice experience**

09:00-09:20 **Opening ceremony**

09:20-09:30 Victor Adrov, Managing Director, Racurs, Russia Opening speech

09:30-09:35 Balen Basu, Director, OPSIS System, India Welcome speech

09:35-09:40 Valery Zaichko, Head of Department, State Space Corporation ROSCOSMOS, Russia Welcome speech

**Common Geomatic Problems. Chairman: Victor Adrov**

09:40-10:10 Durk Haarsma, Publishing Director, GIM International, The Netherlands Geomatics professionals: reaching out to the outside world!

10:10-10:40 Armin Gruen, Professor Emeritus, ETH Zuerich, Switzerland Moorea Avatar – Physical Ecosystem Modeling of a Tropical Island

10:40-11:00 **Coffee-break**

11:00-11:30

**Aerial and UAV Survey. Chairman: Yuri Raizman**

11:30-12:00 Yuri Raizman, VP EMEA & Chief Scientist, VisionMap, Israel A3 Edge mapping system and VisionMap news

12:00-12:20 Natalia Vorobyova, Head of Department, Finko, Russia Unmanned Aerial Systems. Applied significance of UAS data processing

12:20-12:40 Alexey Smirnov, Technical Support Manager, Racurs, Russia UAS data processing retrospective

13:00-14:00 **Lunch**

**3D Modeling. Chairman: Armin Gruen**

14:00-14:30 Victor Adrov, Managing Director, Racurs, Russia Photogrammetric methods of 3D modeling

14:30-14:50 Anurag Ohri, Associate Professor, Department of Civil Engineering, Indian Institute of Technology (Banaras Hindu University) 3D Modeling of the Vishwanath Temple, Varanasi Using Close Range Digital Photogrammetry

14:50-15:10 Aleksandr Voitenko, Head of Department, Kadasrtsurvey, Russia Lidar point cloud vs dense DSM

15:10-15:30 Himanshu Nagrath, Co-founder, Indshine Geoinformatics, India 3D Modelling of IIT BHU Varanasi campus, using photogrammetric techniques on UAV captured data

15:30-16:00 **Coffee-break**

**DPW PHOTOMOD & practice experience. Chairman: Aleksandr Chekurin**

16:00-16:20 Vladimir Arkhipov, Development Director, Lesproekt, Russia Technological innovation in PHOTOMOD stereo taxation

16:20-16:40 Lilia Gariffulina, Head of Topomapping Department, Uralgeoinform, Russia Comparison study of office treatment in PHOTOMOD

16:40-17:00 Dmitry Kochergin, Head of Technical Support Department, Racurs, Russia PHOTOMOD 6.2. New functionality

17:00-17:20 Victor Adrov, Managing Director, Racurs, Russia Cloud Computing and Photogrammetry

17:20-17:40 Balen Basu, Director, OPSIS System, India PHOTOMOD future in India

17:40-18:00 Discussion

19:00-23:00 Conference party

## Tuesday, November 15

09:30-17:30 Themes of the day:  
**Current RSD constellation**  
**New technologies of RSD processing**

### Current RSD constellation. Chairman: Valeri Zaichko

09:30-10:00	Valery Zaichko, Head of Department, State Space Corporation ROSCOSMOS, Russia	Possibilities of Russian Remote Sensing System in the interest of Asian consumers
10:00-10:20	Ilya Yudin, Sales Manager, DigitalGlobe, USA	New cartography capabilities based on DigitalGlobe imagery
10:20-10:40	Wook-Hyun Choi, Vice President, SI Imaging Services, Korea	New choice of 50 cm satellite imagery
10:40-11:00	Krishanu Acharya, Senior Manager, Strategic Sales, SkyMap Global, India	SkyMap Global: Mapping the Future
11:00-11:30	<b>Coffee-break</b>	

### Current RSD constellation. Chairman: Aleksandr Chekurin

11:30-12:00	Aleksandr Fedoseev, Head of Sector, Space Rocket Centre "Progress", Russia	Experiment and technologic small spacecraft 'Aist-2D': first results of on-orbit operation
12:00-12:20	Aleksandr Chekurin, Sales & Marketing Director, Racurs, Russia	Racurs' company experience in working with KOMPSAT imagery
12:20-12:40	Victor Nekrasov, Head of Laboratory, VNIIEM Corporation, Russia	Kanopus-V: user experience and future development
13:00-14:00	<b>Lunch</b>	

### New technologies of RSD processing. Chairman: Sergei Kadnichanskii

14:00-14:30	Oleg Gomofov, Head of scientific-production complex, Research Institute of Precision Instruments, Russia	Foundation of Remote Sensing Thematic Data Processing Center on the Russian Technologies Basis
14:30-14:50	Vyacheslav Butin, Director Business Development, Sovzond Company, Russia	Up-to-date approach to EO data and VAP provision
14:50-15:10	Viacheslav Lobzenev, CEO, Innovative centre, Russia	Satellite imagery automated processing and analysis technology in Image Media Center software
15:10-15:30	Sergei Kadnichanskii, Head of Department of photogrammetry and RSD, Center of Geodesy, Cartography and SDI, Russia	Evaluation of contrast of digital aerial and space images
15:30-16:00	<b>Coffee-break</b>	
16:00-16:30	Discussion	
17:00-19:00	<b>"Indian Lessons"</b>	
19:00-20:00	<b>Dinner</b>	

## Wednesday, November 16

10:00-17:30 Themes of the day:  
**Master-classes**  
**Roundtable discussions**  
**Business meetings**

*Phool bagh hall*

*Mumtaz hall*

10:00-11:00 PHOTOMOD Technical Seminar

11:00-11:30 **Coffee-break**

11:30-13:00 PHOTOMOD Technical Seminar

13:00-14:00 **Lunch**

14:00-15:30 PHOTOMOD Technical Seminar

15:30-16:00 **Coffee-break**

16:00-17:00 Satellite imagery processing and analysis in Image Media Center

17:00-17:30 Questions

19:00-24:00 **Gala Dinner**

**Roundtable discussion:** Remote sensing — from UAS to satellite: optimal image acquisition strategies. *Moderators: Yuri Raizman, Aleksandr Chekurin*

**Roundtable discussion:** New ways of photogrammetry. *Moderators: Armin Gruen, Victor Adrov*

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