

Conference Program

Monday, October 20

08:00-09:00 **Registration**
09:00-18:00 Themes of the day:
Spatial Data Infrastructure
Modern 3D modeling
Aerial Survey equipment and UAS
Photogrammetric processing of aerial images — methods and algorithms

Chairman: Victor Adrov

09:00-09:10	Victor Adrov, Racurs, Russia	Opening of the conference. Conference program.
09:10-09:20	Xu Mingce, SmartSpatio, China	Opening speech.
09:20-09:25	Chen Jun, ISPRS	Opening speech.
09:25-09:30	Feng Xianguang, Satellite Surveying and Mapping Application Center, China	Opening speech.
09:30-09:55	Gottfried Konecny, Leibniz University Hannover, Germany	Current status of global geospatial information.
09:55-10:20	Chen Jun, National Geomatics Center of China	30-m Global land cover mapping: classification approach and data products.
10:20-10:40	Andrey Zheleznyakov, KB Panorama, Russia	Application software KB "Panorama" in the Spatial Data Infrastructure.
10:40-11:00	Gottfried Konecny, Leibniz University Hannover, Germany	Data base issues for urban mapping.

11:00-11:30 Coffee-break

Chairman: Gottfried Konecny

11:30-11:50	Armin Gruen, ETH Zurich, Switzerland	Combined 3D modeling from UAV aerial images and Mobile Mapping laser-scan point clouds.
11:50-12:10	Mathias Lemmens, Delft University of Technology, The Netherlands	Features of Point Clouds and functionalities of processing software.
12:10-12:30	Armin Gruen, ETH Zurich, Switzerland	Generating 3D models of Shukhov Towers by laser-scanning and UAV photogrammetry.
12:30-12:45	Alexander Mikhaylov, Moscow State University of Geodesy and Cartography, Russia	3D modeling of Shukhov Tower by stereophotogrammetry survey.
12:45-13:00	Aleksandr Chekurin, Racurs, Russia	Technology of 3D GIS creation for urban areas based on remote sensing data.

13:00-14:00 Lunch

Chairman: Andrey Sechin

14:00-14:20	Yuri Raizman, VisionMap, Israel	VisionMap's mapping systems review.
14:20-14:35	Yao Jifeng, Beijing Geo-Vision, China	The application of the SWDC digital aerial camera system.
14:35-14:50	Ikoku Blanchard Guy, Tshwane University of Technology, Republic of South Africa	A new calibration technique for non metric photogrammetric cameras.
14:50-15:10	Dmitry Gryadunov, AFM-Servers, Russia	Thermal aerial survey of water objects by using unmanned aircraft system Ptero.
15:10-15:25	Sergey Skubiev, State University of Land Use Planning, Russia	UAS for agricultural monitoring.
15:25-15:40	Anatoliy Okhotin, National Research Irkutsk State Technical University, Russia	The unexpected results of the disastrous mudflow survey in Arshan settlement in Buryat Republic.

15:40-16:10 Coffee-break

Chairman: Yuri Raizman

16:10-16:30	Dmitry Kochergin, Racurs, Russia	PHOTOMOD 6.0. High productivity and large data volumes.
16:30-16:50	Andrey Sechin, Racurs, Russia	Dense DSM generation module in PHOTOMOD.
16:50-17:10	Aleksey Elizarov, Racurs, Russia	PHOTOMOD. Future outlook.
17:10-17:30	Vladimir Arkhipov, SUE Roslesinform, Russia	Modern method of forest survey with the use of interpretation approach "From survey to project".
17:30-17:45	Tatyana Khlebnikova, Siberian State Geodesy Academy, Russia	A combined method for the creation of digital topographic maps for the geodetic survey of engineering structures using PHOTOMOD.
17:45-18:00	Natalia Kovach, GeoProjectSurvey, Russia	Advanced capability using lidar technology in geodetic survey.

19:00-23:00 Conference Party

Tuesday, October 21

09:00-17:40 Themes of the day:
Satellite remote sensing systems
Remote sensing data — algorithms and software
Modern radar satellites and radar data processing

Chairman: Valery Zaichko

09:00-09:20	Valery Zaichko, Russian Federal Space Agency, Russia	Current state and trends in Russian satellite remote sensing for mapping purposes.
09:20-09:40	Aleksandr Egorov, JSC Space Rocket Centre Progress, Russia	Multilevel system of Earth operational hyperspectral monitoring.

09:40-10:00	Alexey Peshkun, Research Center for Earth Operative Monitoring, JSC Russian Space Systems, Russia	Resurs-P. Capabilities. Standard products.
10:00-10:20	Anatolii Rashchupkin, JSC Space Rocket Centre Progress, Russia	Application area of Resurs-P satellite information.
10:20-10:40	Zhou Zikuan, China Centre for Resources Satellite Data and Application, China	Chinese civil high resolution RS satellites and application.
10:40-11:00	Chang Xiaotao, Satellite Surveying and Mapping Application Center of China	ZY-3 satellite and its application.
11:00-11:30 Coffee-break		
Chairman: Andrey Sechin		
11:30-11:50	Alan Kazkenov, National Company "Kazakhstan Gharysh Sapary", Kazakhstan	Earth remote sensing space system of the Republic of Kazakhstan.
11:50-12:10	Ilia Yudin, DigitalGlobe, USA	DigitalGlobe. Growing our constellation — growing your business.
12:10-12:30	Wookhyun Choi, SI Imaging Services, Republic of Korea	Korean Earth observation satellite.
12:30-12:50	Michael Tonon, Astrium Services / GEO-Information Division, France	SPOT 6/7 and Pleiades constellation: new perspectives for mapping.
12:50-13:00	Aleksandr Chekurin, Racurs, Russia	SPOT 6/7 images — accuracy and interpretability properties.
13:00-14:00 Lunch		
Chairman: Alexander Mikhaylov		
14:00-14:20	Olga Kolesnikova, SOVZOND Company, Russia	RapidEye Constellation — has been 6 years in orbit. BlackBridge new geoinformation services for providing contiguous and cost-effective process for updating maps and spatial databases.
14:20-14:40	Ilya Farutin, SCANEX R&D Center, Russia	New possibilities in the field of acquisition and processing of satellite images.
14:40-15:00	Vyacheslav Lobzenev, Innovative centre, Russia	Image Media Center. Full cycle of remote sensing data processing.
15:00-15:20	Sergey Potapov, OJSC "RIPI", Russia	PHOTOMOD in corporative production of geospatial data.
15:20-15:40	Anton Sonyushkin, SCANEX R&D Center, Russia	Orthorectification method using regular grid.
15:40-16:10 Coffee-break		
Chairman: Victor Adrov		
16:10-16:30	Victor Panarin, Municipal Budget Institution Urban Development, Russia	System of municipal topographic sheets monitoring and usage of Digital Elevation Model for urban needs.
16:30-16:50	Oleg Atakishchev, SouthWest State University, Russia	Metagrammars search methods in big cartographic data.
16:50-17:10	Vladimir Stasevich, NPP "ROBIS", Russia	Space experiment on the International Space Station with P-band SAR.
17:10-17:30	Igor Elizavetin, NPO Mashinostroyeniya, Russia	Image interpretation abilities provided by the long-time and multipolarization interferometric image series.
17:30-17:40	Discussion	
18:00-20:00 Chinese Lessons		

Wednesday, October 22

10:00-17:30	Themes of the day: Master classes Round tables B2B meetings	
09:30-11:00	Dmitry Kochergin, Head of Technical Support Department, Racurs, Russia	New PHOTOMOD 6.0 features.
11:00-11:30	Coffee-break	
11:30-13:00	Dmitry Kochergin, Head of Technical Support Department, Racurs, Russia	New PHOTOMOD 6.0 features.
13:00-14:00	Lunch	
14:00-15:30	Anton Sonyushkin, Head of Image Processing and Software Development Department, SCANEX R&D Center, Russia	Photogrammetric processing and thematic mapping in ScanEx Image Processor software.
14:00-15:30	Round table: UAS photogrammetry.	
15:30-16:00	Coffee-break	
16:00-17:30	Round table: Photogrammetric technologies in forest management.	
16:00-17:30	Round table: World cartography trend.	
19:00-24:00	Gala Dinner	