

# "From imagery to map: digital photogrammetric technologies"



## Monday, September 20

Summit conference hall.

**08:30-09:30** Conference registration.

**09:30-18:20** Themes of the day: I. Regional and corporate projects. Common photogrammetric and cartographic problems. ■  
II. Digital cameras and aerial equipment. ■  
III. Digital photogrammetric systems. ■

Chairman: Victor Adrov.

**09:30-09:40** **Victor Adrov**, Racurs, Russia Opening of the conference. Opening speech.  
**09:40-09:55** **Renzo Carlucci**, GEOmedia, Italy Powering spatial data infrastructure in Italy.  
**09:55-10:10** **Marco Chiaudano**, Sistemi Avanzati srl, Italy Innovative low cost technologies and services for video mobile mapping.  
**10:10-10:40** **Gottfried Konecny**, Leibniz University Hannover, Germany 100 years ISPRS.  
**10:40-11:00** **Victor Adrov**, Racurs, Russia 10 years of the Racurs' conference.

**11:00-11:30** Coffee Break

Chairman: Peter Schreiber.

**11:30-12:00** **Gottfried Konecny**, Leibniz University Hannover, Germany Topographic map update issues.  
**12:00-12:30** **Armin Grünen**, Institute of Conservation and Building Research, Switzerland 3D/4D city modeling: progress and prospects.  
**12:30-12:50** **Alexander Mikhaylov**, MIIGAIK, Russia Training of high qualification specialists in Russia.  
**12:50-13:10** **Ivan Katsarsky**, GIS SOFIA Ltd., Bulgaria Bulgaria and FIG.

**13:10-14:10** Lunch

Chairman: Andrey Sechin.

**14:10-14:40** **Michael Pechatnikov**, VisionMap, Israel Vision Map A3 – an integrated approach to photogrammetry.  
**14:40-15:10** **Peter Schreiber**, Leica Geosystems, Switzerland Permanent and consequent development of Leica Geosystems' airborne sensor systems.  
**15:10-15:40** **Armin Grünen**, Institute of Conservation and Building Research, Switzerland UAV photogrammetry.  
**15:40-16:00** **Vadim Zakharov**, Zeminform, Russia Plotting of river shorelines from aerial photography.

**16:00-16:30** Coffee Break

Chairman: Alexander Mikhaylov.

**16:30-16:50** **Dmitry Kochergin**, Racurs, Russia PHOTOMOD 5.0. Today and tomorrow.  
**16:50-17:10** **Alexandra Kiseleva**, Racurs, Russia Effective techniques for working in PHOTOMOD.  
**17:10-17:30** **Alexey Elizarov**, Racurs, Russia Advances in DTM creation and processing methods in PHOTOMOD 5.  
**17:30-17:50** **Andrey Sechin**, Racurs, Russia Cartographic quality contouring in PHOTOMOD 5.0.  
**17:50-18:10** **Yuri Raizman**, VisionMap, Israel and **Alexey Elizarov**, Racurs, Russia Vision Map A3 quasi-panoramic model implementation in PHOTOMOD 5.0.

**18:10-18:20** Discussion

**19:00-22:30** Banquet Dinner On the Summit hotel terrace.



## Tuesday, September 21

Summit conference hall.

**09:00-18:00** Themes of the day: IV. Photogrammetric processing of digital aerial imagery. ■  
V. Modern space remote sensing data. ■  
VI. Mapping based on remote sensing data. ■

Chairman: Andrey Sechin.

**09:20-09:40** **Valerio Zunino**, Studio SIT, Italy The new high definition orthophoto and 1:500 aerial survey of the municipality of Pisa, Italy.  
**09:40-10:00** **Leo Autelitano**, Ente Parco Aspromonte, Italy An interesting project on the mapping of biodiversity on the park of Aspromonte using PHOTOMOD system.  
**10:00-10:20** **Leonid Bykov**, West-Siberian affiliate of FSUE "Goszemkadastrs'emka"—VISHAGI Multiplexing of photogrammetric technology and airborne laser scanning in complex work on updating digital topographic plans of Omsk in 1:500 scale.  
**10:20-10:40** **Yannis Yanniris**, NTUA, Greece Teaching photogrammetry with PHOTOMOD in the National Technical University of Athens.  
**10:40-11:00** **Andrey Shumakov**, GeoEye, USA GeoEye today and tomorrow: from acquisition to delivery and dissemination.

**11:00-11:30** Coffee Break

Chairman: Yury Bugaevskiy.

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| <b>11:30-11:50</b> | <b>Pawel Ziemba</b> , Digital Globe, United Kingdom           | The benefits of the 8 spectral bands of WorldView-2.                            |
| <b>11:50-12:10</b> | <b>Vladimir Sedel'nikov</b> , FSUE Goscentr "Priroda", Russia | Development of future remote sensing mapping system.                            |
| <b>12:10-12:30</b> | <b>Valentin Demchenko</b> , RNIIRS, Russia                    | Basic equipment for remote sensing data receiving stations.                     |
| <b>12:30-12:50</b> | <b>Olga Gershenson</b> , ScanEx, Russia                       | Development of on-line services based on space imagery data and web-technology. |
| <b>12:50-13:10</b> | <b>Milana Elerdova</b> , Sovzond, Russia                      | Modern approach to organization of real-time satellite monitoring.              |
| <b>13:10-14:10</b> | Lunch   |   |

Chairman: Yury Baranov.

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| <b>14:10-14:30</b> | <b>Olga Kolesnikova</b> , Sovzond, Russia       | Creating regional geoportals using earth remote sensing data.  |
| <b>14:30-14:50</b> | <b>Albert Demidenko</b> , KB "Panorama", Russia | Using GIS and remote sensing data in the regional projects.  |
| <b>14:50-15:10</b> | <b>Guest Speaker</b> , Italy.                   |  |
| <b>15:10-15:30</b> | <b>Igor Elizavetin</b> , Racurs, Russia         | Analysis of some radiometric and spatial artifacts on remote sensing images, acquired by spaceborne SAR. |
| <b>15:30-15:50</b> | <b>Roman Shuvalov</b> , Racurs, Russia          | New modules of the software package PHOTOMOD Radar.  |

**15:50-16:20** Coffee Break

Chairman: Leonid Bykov.

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| <b>16:20-16:40</b> | <b>Yury Baranov</b> , Gazprom VNIIGAZ, Russia         | Generation of digital elevation models and detection of surface movements via space radar interferometry. |
| <b>16:40-17:00</b> | <b>Olga Korchagina</b> , Volga region kadastr, Russia | Using stereo pair from GeoEye-1 and Kompsat-2 satellites for three-dimensional models creation.           |
| <b>17:00-17:20</b> | <b>Tanya Madzharova</b> , GIS-Sofia, Bulgaria         | Very high resolution imagery orthorectification for land parcel identification system using PHOTOMOD.     |
| <b>17:20-17:40</b> | <b>Marina Breke</b> , LTD „Livland”, Latvia           | The beginning of the beginning.   |

**17:40-18:00** Discussion

Gathering in the Summit hotel hall.

**18:30-21:00** Sport competitions

**21:00-22:00** Dinner

## Wednesday, September 22



**09:30-17:30** Themes of the day: VII. Master-class DPS PHOTOMOD. Rose hall, Summit hotel.  
VIII. Business-meetings.

**09:30-11:00** **Dmitry Kochergin**, Racurs, Russia PHOTOMOD 5.0 Automation on every step of processing. New algorithms of automatic DTM creation.

**11:00-11:30** Coffee Break

**11:30-13:00** **Dmitry Kochergin**, Racurs, Russia PHOTOMOD 5.0. Setting up data storages. Adding images. Distributed processing.

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

**14:00-15:30** **Igor Elizavetin**, Racurs, Russia PHOTOMOD Radar. What's new: module of images coherent coregistration; quality estimation tools.

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

**16:00-17:30** Questions. Blue hall, Summit hotel.

**18:30-18:45** Group Photo.

Gathering on the Summit hotel terrace.

**19:00-24:00** Gala Dinner. Aenea's Landing restaurant.

## Thursday, September 23



**10:00-19:00** Excursion: Naples — Pompeii.

Departure from Summit hotel.