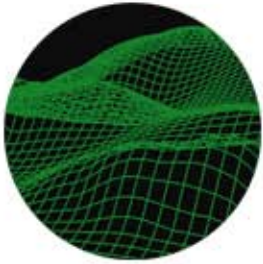


FROM IMAGERY TO DIGITAL REALITY:



Earth Remote Sensing & Photogrammetry

19th International Scientific
and Technical Conference

October 28-31, 2019
Seoul, Republic of Korea





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About

The 19th International Scientific and Technical Conference "From imagery to digital reality: ERS & Photogrammetry" will be held October 28 to 31, 2019, in Seoul, the Republic of Korea.

Determining the venue for the annual Racurs conference is not an easy task. The choice of one country over another is based on the vision of the market, partners' activity, users' interest, and our curiosity. Our decision to move to the East, to the Republic of Korea, was easier than ever. Korea is a unique country in relation to Russia. Despite the close location, this country is still very mysterious in terms of culture and technology.

The culture of "pali-pali" (faster-faster) allowed South Korea to become a world technological leader in a short time. As a result, one of the world's best cadastre and cartography application systems was created. In just twenty years, South Korea has changed paper maps to digital ones, weekly updating data about road infrastructure and construction. This is one of the few countries that has full-fledged remote-sensing technologies, consisting of optical, radar, and UAV systems. It is no coincidence that the importance of geospatial information is emphasized by the mayor's office of Seoul, the capital of the Republic of Korea, which rightfully occupies the sixth place in the ranking of Smart Cities of the World.

Racurs has been successfully cooperating with key Korean companies in the remote sensing and photogrammetric market, being a partner of SI Imaging Services, the exclusive distributor of KOMPSAT data. Our companies jointly export geospatial solutions based on Korean space images and Russian PHOTOMOD photogrammetric technologies. SI Imaging Services is a coorganizer of the conference.

We would be glad to have your participation! See you in Korea.

*Sincerely yours,
the Organizing Committee of
the International Scientific
and Technical Conference
"From imagery to digital reality:
ERS & Photogrammetry"*



*Dr. Victor Adrov
Head of the
organizing committee*





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Organizer

Since its foundation in 1993, the **Racurs** Company (Moscow, Russia) has been developing innovative digital mapping software for the processing of aerial, space and terrestrial imagery. Our flagship product PHOTOMOD was one of the first digital photogrammetric systems on the market designed to work on off-the-shelf PCs.

PHOTOMOD is extensively used worldwide and is presently the most popular digital photogrammetric system in Russia. Initially a single product company, Racurs' market involvement has expanded to include software development, provision of remote-sensing data and production of photogrammetric services.



Co-organizer

SI Imaging Services (Republic of Korea)

SI Imaging Services (SIIS) is the exclusive worldwide marketing and sales representative of KOMPSAT series : KOMPSAT-2, KOMPSAT-3, KOMPSAT-3A, and KOMPSAT-5. SIIS contributes Remote Sensing and Earth Observation industries / societies by providing very high resolution optical and SAR images through over 100 sales partners worldwide.

Customers from industries as well as government and international agencies are using KOMPSAT imagery for their missions and researches and achieve good results in several remote sensing applications such as mapping, agriculture, disaster management, and so on. SIIS started its business as a satellite image and service provider and extended its business to KOMPSAT operation.

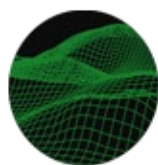


Supported by

- International Society for Photogrammetry and Remote Sensing (ISPRS)
- The Federal Service for State Registration, Cadastre and Cartography (Russia)
- GLONASS/GNSS Forum Association (Russia)
- GIS-Association Russia
- The Russian Society of Geodesy, Cartography and Land Management

Media partners





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Platinum Sponsor

State Space Corporation ROSCOSMOS (Russia)

ROSCOSMOS is a State Corporation that was established in August 2015 to oversee and implement a comprehensive reform of the Russian space industry.

State Space Corporation ROSCOSMOS ensures the implementation of the Russian government's space program and its legal regulation.

ROSCOSMOS is also placing orders for the development, manufacture and supply of space equipment and space infrastructure objects.

The state corporation is also responsible for international space cooperation and tasked with setting the stage for the future use of results of space activities in the social and economic development of Russia.

<http://en.roscosmos.ru>



Gold Sponsor

Roscartography (Russia)

JSC Roscartography includes 32 affiliated companies which are located in the different parts of Russia. These companies are highly specialized and provide full range of geodesy and cartography works. Roscartography combines: 19 aerogeodetic enterprises, 3 mine survey companies, 6 scientific organizations, 4 mapping factories.

Since 2013 JSC Roscartography is an exclusive provider of geodesy and cartography work for federal purposes. Moreover, the company is involved in large commercial projects in Russia and abroad.

Roscartography is fully equipped by unique technological, professional and scientific solutions. The company provides: aerial survey, orthophotomaps, topomaps, engineering and geodetic survey, remote sensing data processing, print maps, geospatial databases, geodetic networks, GIS, etc.

<http://roscartography.ru>

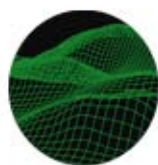


Silver Sponsor

SI Imaging Services (Korea) is the exclusive worldwide marketing and sales representative of KOMPSAT series: KOMPSAT-2, KOMPSAT-3, KOMPSAT-3A, and KOMPSAT-5. SIIS contributes Remote Sensing and Earth Observation industries / societies by providing very high resolution optical and SAR images through over 80 sales partners worldwide.

<http://www.si-imaging.com>





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Conference topics

Earth Remote Sensing Satellites Systems

This year the conference is held with the participation of the space industry leaders of Russia and Korea. That is why high attention will be paid to satellite survey issues. The following questions will be discussed in the "Earth Remote Sensing Satellites Systems" section:

- Russian, South Korean and other remote sensing satellite constellations,
- distributed systems for satellite data acquisition, storage and delivery,
- automated high-performance system for data processing,
- analytic services on the basis of remote sensing data.

Geospatial Technologies for the Smart City

Seoul – the capital of the Republic of Korea is rightfully included in the TOP-10 global rating of Smart City from year to year. According to the Cities in Motion Index Seoul has achieved the greatest success in information technologies and transport systems, including through the competent use of geospatial information.

In the "Geospatial technologies for the Smart City" section will be presented:

- technologies for the on-line reception and updating of spatial data for the urban area,
- methods of 3D modeling of urban development, possibility of joint using of BIM and GIS,
- technologies of virtual, augmented and digital reality.

Multi-Agent Methods and Technologies of Spatial Data Acquisition

Technological schemes: "satellite-aero-UAS" and "radar-optics-laser" are widely used when solving various production issues. The following questions will be discussed in the "Multi-agent methods and technologies of spatial data acquisition" section:

- economical efficiency of UAS,
- combination and optimization of technologies in satellite and aerial survey,
- productivity and automation of photogrammetric data processing,
- processing of multi-sensor and big data.

Satellite Imagery and Geodata for Education

Every year the request for specialist in the geospatial technologies and remote sensing is increased. This year the section "Satellite Imagery and Geodata for Education" will be devoted to the issues of secondary and higher education. The following topics will be presented:

- remote sensing technologies in school education,
- facultative and project education on the basis of GIS and remote sensing technologies,
- tasks and challenges for the system of professional education.

International Cooperation and Export Technologies

Agreements of bilateral cooperation in geodesy and cartography field, as well as in space activities are in force between Russia and the Republic of Korea. Russian and South Korean business by the example of Racurs and SI Imaging companies have long and successful cooperation on the international geospatial market.

The special section "International cooperation and export technologies" will work in the frame of the conference. It will be supported by Moscow Export Center, "Platform NTI" and Korean professional scientific, technical, and business communities. We invite companies, offering technologies for territorial development, urban, construction and real estate management, GIS and services.

Participants of this section will be offered to make 10 minutes speech about company's activity and products.

We invite authors to submit an abstract for oral presentation or submit a paper to be included in the conference proceedings.



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Location

Technology develops most successfully when specialists exchange information freely; one of the most unique aspects of this conference is its international reach. Over its seventeen-year history, the conference has been held in fourteen and has hosted participants from thirty-five countries.

The culture of “pali-pali” (faster-faster) allowed South Korea to become a world technological leader in a short time. As a result, one of the world’s best cadastre and cartography application systems was created. In just twenty years, South Korea has changed paper maps to digital ones, weekly updating data about road infrastructure and construction.

This is one of the few countries that has full-fledged remote-sensing technologies, consisting of optical, radar, and UAV systems. It is no coincidence that the importance of geospatial information is emphasized by the mayor’s office of Seoul, the capital of the Republic of Korea, which rightfully occupies the sixth place in the ranking of Smart Cities of the World.

Venue: Grand Ambassador Pullman 5* Hotel. 287 Dongho-ro, Jung-gu, 04618, Seoul.



Conference schedule

Monday October 28	Opening, plenary session, Welcome party
Tuesday October 29	Plenary session, business meetings, social activities
Wednesday October 30	Roundtable discussions, business meetings, conference Gala dinner
Thursday October 31	Sightseeing tour

Deadlines

Early Bird registration — August 16, 2019

Final registration — October 4, 2019

Abstracts and papers:

September 1, 2019 — Report submission deadline

September 15, 2019 — Paper submission deadline



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Registration fees (USD)

Options	Early bird registration 16.08.2019	after 16.08.2019
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Full package - 5 days

(accommodation: 26.10-01.11, evening events and excursion - incl.)

Single room	2250	2350
Bed in standard double room	1825	1925

Full package - 4 days

(accommodation: 27.10-01.11, evening events and excursion - incl.)

Single room	2080	2180
Bed in standard double room	1725	1825

Delegate 900

With welcome and gala dinner. Coffee-breaks and lunches are included.

One day 200

Coffee-breaks and lunches are included.

Delegate lite 600

Coffee-breaks and lunches are included.

Coffee-breaks and lunches are included for all options.

Registration fee for accompany person can be calculated upon the request.

If other dates of accommodation are needed, please contact us to calculate it individually.

Sponsorship packages (USD)

Category	Rates
Platinum Sponsor	20 000
Gold Sponsor	10 000
Silver Sponsor	5 000

Advertising opportunities

Commercial presentation	300
Promotional materials included in attendance package: leaflet A4 / booklet	300/500
Colour promotional module (A4) inside the conference proceedings	300
Mobile stand (RollUp) in the conference hall	300



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Comments

For me personally this conference gives me a unique opportunity to get first-hand information about the status of development in photogrammetry, remote sensing and mapping in the Russian Federation and some other countries usually not so present at international conferences.

Prof. em. Dr. Armin Gruen, ETH Zurich, Switzerland, 2014



As I have said many times, you — great. You fellows all — and in science, and business and leisure. You have achieved a lot in our area, and I personally wish you continued success and prosperity. Keep it up!

Dr. Yuri Raizman, Chief Scientist, PhaseOne, Israel, 2015



In Stuttgart we celebrated the 100th Anniversary of the Photogrammetric Week serving the world for generations. Even though only a 10-years old, the Racurs Conferences are becoming a fresh equivalent to these traditional meeting in the West.

*Prof. em. Dr. Gottfried Konecny,
Leibniz University of Hannover, Germany, 2011*



What made this conference special? Firstly, its small scale: one hundred professionals, sixty of whom from Russia. But most impressive was the complete absence of the chest drumming so flashily and embarrassingly in evidence at North American conferences; there was no glitter here, no glamour. It's not the slick marketers who set the tone at this conference, but the founders. Their involvement and affinity with science and technology is perceptible and provides the pillars upon which the event stands.

*Dr. Mathias Lemmens,
Senior Editor, GIM International, The Netherlands, 2010*





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Contacts

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Registration

<http://conf.racurs.ru/conf2019>

