



ANNOUNCEMENT 1

Polish Society of Photogrammetry and Remote Sensing
Surveying Committee of the Polish Academy of Science
Main Board of the Association of Polish Surveyors

and

Department of Photogrammetry, Remote Sensing of Environment and Spatial Engineering
Faculty of Mine Surveying and Environmental Engineering
AGH University of Science and Technology in Krakow

organise

22nd National Scientific Symposium

**„PHOTOGRAMMETRY – REMOTE SENSING – GEOINFORMATION: State of the Art and
Development Trends”**

Kraków, 26-28th September 2022

Topics of the Symposium

22nd National Scientific Symposium of the Polish Society of Photogrammetry and Remote Sensing will be a scientific conference, which will facilitate the presentation of the newest international and Polish achievements and experience connected with the implementation of the modern methods and technologies in photogrammetry, remote sensing and geoinformation. The topics of the symposium cover obtaining 2D and 3D data from various sensors and places of recording, integration with the data from other sources with the data from other sources, methods of processing, modelling, data analyses and their practical applications.

Proposed scope of the scientific symposium:

- Sensors – calibration, integration, validation
- Methods and algorithms of the processing of photogrammetric data (among others: Dense Matching, Structure-from-Motion, Multi-View Stereo, Machine Learning, Deep Learning)
- Processing of the data from airborne and terrestrial laser scanning
- The application of UAV (BSP) platform in gaining geoinformation
- Remote measurement methods in engineering applications
- Integration, modelling, 3D reconstruction and visualization of geodata
- Photogrammetric applications such as: Augmented Reality, Virtual Reality, Mixed Reality
- Applications of satellite images of high resolution
- Hyperspectral remote sensing
- Satellite radar interferometry – InSAR
- Monitoring of agriculture and ecosystems
- Novel production applications of photogrammetric technologies and remote sensing technologies
- Education in the area of photogrammetry and remote sensing in Poland

During symposium the following events are planned:

- Session dedicated to 70th Anniversary of the Department of Photogrammetry, Remote Sensing of Environment and Spatial Engineering, AGH University of Science and Technology in Krakow
- Presentations of the leading scientists from abroad
- Report from the activities of Technical Commissions of the International Society of Photogrammetry and Remote Sensing (ISPRS) in 2016-2022
- Discussion of papers presented during 24th Congress of ISPRS in 2022
- Presentation of the achievements in photogrammetry and remote sensing in geoinformatics presented during "The 58th Photogrammetric Week" in 2022 in Stuttgart
- Oral presentation sessions and poster sessions (division into disciplines will be made after receiving all the contributions; there is a possibility of presentation in English)
- Presentations and short reports referring to research projects
- Presentations of production companies

- Workshops "Bases of photogrammetry and remote sensing of low ceiling (equipment, methods and algorithms, software, legal aspects) and the application of UAV (BSP) platforms in obtaining geoinformation"

Scientific Committee

Prof. Elżbieta Bielecka, Ph.D. Sc., Eng.	Military Technical University in Warsaw Surveying Committee of the Polish Academy of Science
Prof. Aleksandra Bujakiewicz, Ph.D. Sc., Eng.	Warsaw University of Technology Chairperson of the Polish Society of Photogrammetry and Remote Sensing
Prof. Kazimierz Furmańczyk, Ph.D. Sc., Eng.	University of Szczecin
Prof. Beata Hejmanowska, Ph.D. Sc., Eng.	AGH University of Science and Technology in Krakow
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Prof. Krystian Pyka, Ph.D. Sc., Eng.	AGH University of Science and Technology in Krakow
Krzysztof Będkowski, Ph.D. Sc., Prof. of UL	Professor of the University of Lodz
Ireneusz Ewiak, Ph.D. Sc., Eng., Prof. of WAT	Military Technical University in Warsaw
Dariusz Gotlib, Ph.D. Sc., Eng., Prof. of PW	Warsaw University of Technology Surveying Committee of the Polish Academy of Science
Grzegorz Józków, Ph.D. Sc., Eng., Prof. of UW	Wrocław University of Environmental and Life Sciences
Stanisław Lewiński, Ph.D. Sc., Eng., Prof. of CBK	Centre of Space Research of the Polish Academy of Science
Marek Mróz, Ph.D. Sc., Eng., Prof. of UWM	University of Warmia and Mazury in Olsztyn
Katarzyna Osińska-Skotak, Ph.D. Sc., Eng., Prof. of PW	Warsaw University of Technology Surveying Committee of the Polish Academy of Science
Piotr Sawicki, Ph.D. Sc., Eng., Prof. Em. of UWM	University of Warmia and Mazury in Olsztyn
Piotr Wężyk, Ph.D. Sc., Eng., Prof. of UR	University of Agriculture in Krakow
Dorota Zawieska, Ph.D. Sc., Eng., Prof. of PW	Warsaw University of Technology

Organizing Committee

Sławomir Mikrut, Ph.D. Sc., Eng., Prof. of AGH-UST	Department of Photogrammetry, Remote, Sensing of Env. and Spatial Eng., AGH-UST in Krakow
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Piotr Sawicki, Ph. D Sc., Eng., Prof. of UWM	Department of Surveying UWM in Olsztyn
Barbara Kosińska	Secretary General of SGP

Place of the Symposium

AGH University of Science and Technology in Krakow
Faculty of Mine Surveying and Environmental Engineering
Al. Mickiewicza 30, building C4
30-059 Kraków

Depending on the COVID-19 pandemic situation in Poland, the organizers can carry out the symposium in a hybrid form or online.

Deadlines

- 31.05.2022** ← ~~10th May 2022~~ – declaration to participate in symposium
- **15th June 2022** – sending the summary of the presentation in Polish (min. 250 words) and English
 - **30th June 2022** – information about the acceptance of the presentation
 - **30th July 2022** – declaration to give presentations and exhibitions by companies
 - **15th September 2022** – sending posters in PDF and presentations

Fees, accommodation, guidelines for the Authors

Participation fees, deadlines for payments, proposals of available hotels and guidelines for the Authors of scientific presentations and exhibitions will be given in 2nd Announcement in March 2022

Contact with the Organizing Committee

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