INTERNATIONAL FEDERATION OF SURVEYORS (FIG)
INTERNATIONAL SOCIETY FOR PHOTOGRAMMETRY AND REMOTE SENSING (ISPRS)
COUNCIL OF EUROPEAN GEODETIC SURVEYORS (CLGE)
EUROPEAN GROUP OF SURVEYORS (EGoS)
INTERNATIONAL ASSOCIATION OF GEODESY (IAG)
ISTANBUL TECHNICAL UNIVERSITY
UNION OF SURVEYORS AND LAND MANAGERS IN BULGARIA (SGZB)
FEDERATION OF SCIENTIFIC AND TECHNICAL UNIONS (FSTU)
BULGARIAN ACADEMY OF SCIENCES (BAS) – SPACE RESEARCH AND TECHNOLOGY INSTITUTE
UNIVERSITY OF ARCHITECTURE, CIVIL ENGINEERING AND GEODESY (UACEG)- FACULTY OF GEODESY
MINISTRY OF REGIONAL DEVELOPMENT AND PUBLIC WORKS – GEODESY, CARTOGRAPHY AND CADASTRE AGENCY (MRDPW – GCCA)
MINISTRY OF AGRICULTURE AND FOOD (MAF)
MINISTRY OF DEFENCE – MILITARY GEOGRAPHIC SERVICE
CHAMBER OF ENGINEERS IN INVESTMENT DESIGN – GEODESY SECTION
UNION OF SCIENTISTS IN BULGARIA – SECTIONS OF TECHNICAL SCIENCES AND GEOLOGICAL AND GEOGRAPHICAL SCIENCES

XXXVI INTERNATIONAL SYMPOSIUM

MODERN TECHNOLOGIES, EDUCATION AND PROFESSIONAL PRACTICE IN GEODESY AND RELATED FIELDS

PROGRAMME

Sofia, 5–6 November 2026

TIME	NO.	SESSION, PAPERS AND DISCUSSION	PRESENTER	FORMAT
5 November 2026 (Thursday)				
08:00 09:00		**Registration**		
09:00 09:30		**OPENING OF THE SYMPOSIUM, WELCOME ADDRESSES**	Dr Eng. Ivan Kalchev	In person
	1	Welcome address by the Honorary Chair of the Union of Surveyors and Land Managers in Bulgaria	Prof. Georgi Milev	Online
	2	Welcome address by the Ministry of Regional Development and Public Works – Geodesy, Cartography and Cadastre Agency	Eng. Georgi Georgiev	In person
	3	Welcome address by the Military Geographic Service	Col. Chavdar Betsov	In person
	4	Welcome address by the Chamber of Engineers in Investment Design	Eng. Ivan Deyanov	In person
	5	Welcome address by the Federation of Scientific and Technical Unions	Assoc. Prof. Dr Eng. Kremena Dedelyanova	In person
	6	Welcome address by ESRI Bulgaria	Miglena Kuzmanova	In person
	7	Welcome address by the Council of European Geodetic Surveyors (CLGE)	Petar Repan	In person
09:30 10:45		**1. PLENARY SESSION (I) – PAPERS AND DISCUSSION**	Assoc. Prof. Dr Eng. Asparuh Kamburov Dr Eng. Kiril Stoyanov	
	1	Representation of restriction zones in the Cadastre and Property Register	Simeon Stoyanov, Petyo Gergov	In person
	2	Presentation by the Military Geographic Service	Col. Chavdar Betsov	In person
	3	Activities of the Council of European Geodetic Surveyors (CLGE)	Petar Repan (CLGE)	In person
	4	Aspects of Extending, Refining and Applying the Least Squares Method	Georgi Milev (BG)	Online
10:45 11:00	**Coffee break**			
11:00 12:30		**2. GEODESY – EDUCATION AND PROFESSIONAL PRACTICE (II): PAPERS AND DISCUSSION**	Prof. Dr Eng. Maria Asenova Prof. Dr Eng. Borislav Aleksandrov	

TIME	NO.	SESSION, PAPERS AND DISCUSSION	PRESENTER	FORMAT
	1	Teaching Vertical Planning – 75 Years of History and Traditions at the University of Forestry	Maria Asenova	In person
	2	Software Solutions for Geospatial Professionals – Overview and Guidelines for Professional Development	Tanya Slavova	In person
	3	Technological Trends in the Geospatial Sector and Their Impact on the Competencies of Professionals	Tanya Slavova	In person
	4	Advances in Surveying Instruments and Technologies at INTERGEO – Munich 2026	Ivan Kalchev	In person
	5	An Experimental Fractal Approach to Seismicity and Gravitational Fields in the Black Sea Basin	Boyko Rangelov	In person
	6	Integrated GIS-Based Analysis of Water Supply Disruptions in Bulgaria Using Infrastructure, Environmental and Demographic Data	Tamara Ilieva-Tsvetkova	In person
12:30 14:00	**Lunch break**			
14:00 15:30		**3. ENGINEERING GEODESY AND TERRITORIAL PROTECTION (III) – PAPERS AND DISCUSSION**	Assoc. Prof. Dr Eng. Todor Kostadinov Assoc. Prof. Dr Eng. Neli Zdravcheva	
	1	Numerical Models of Detailed Development Plans in Administrative Practice	Rumyana Aneva	In person
	2	Analysis of Automated Methods for Processing, Assessment and Quality Control of Bathymetric Data from Post-Dredging Surveys	Dimitar Georgiev	In person
	3	Integrated 3D Documentation of Kadin Bridge Using Mobile SLAM Laser Scanning and 3D Gaussian Splatting	Anastasia Davkova	In person
	4	Quality Assessment of Road Markings on the Road Leading from Gara Elin Pelin Village	Valentina Hristova	In person
	5	Natural Disaster Monitoring Based on Satellite Imagery	Neli Zdravcheva	In person

TIME	NO.	SESSION, PAPERS AND DISCUSSION	PRESENTER	FORMAT
15:30 16:00	**Coffee break**			
16:00 17:30		**4. SPATIAL PLANNING AND INVESTMENT POLICY IN GEODESY; CHAMBER OF ENGINEERS IN INVESTMENT DESIGN**	Assoc. Prof. Dr Eng. Nadezhda Yarlovska Eng. Ivan Deyanov	
	1.	The General Development Plan and Subsequent Spatial Planning: Case Studies from Surveying Practice	Nadezhda Yarlovska	In person
	2.	Impact of General Development Plans on Agricultural Land Values Following a Change in Designated Land Use – The Case of Sofia	Nadezhda Yarlovska	In person
	3	Shared and Flexible Workspaces in Bulgaria in the Context of the Country's New Territorial Division	Ivanka Kamenova	In person
	4	Applications of GNSS in Geodesy – Practical Tasks	Yuri Tsanovski	In person
	5	Mobile Laser Scanning of Urban Environments – Practical Applications and Results	Mladen Tsenov	In person
18:00 20:00	**RECEPTION COCKTAIL**			

6 November 2026 (Friday)				
09:00 10:30		**5. CARTOGRAPHY, GIS AND CADASTRE (V) – PAPERS AND DISCUSSION**	Prof. Dr Eng. Stanislav Vasilev Assoc. Prof. Dr Eng. Milena Begnovska	
	1	Perception of and Response to Colors on Maps	Stanislav Vasilev	In person
	2	Methodology for Selecting a Primary Esri Web GIS Application Based on Its Capabilities and User Needs	Emo Enev, Veselina Gospodinova	Online
	3	Analysis of Feature Digitization Accuracy Using TLS and UAV Technologies	Izabela Piech, Agnieszka Malec, Klaudia Maslanka (PL)	Online
	4	Data Model and Options for Preparing Amendments to the Cadastral Map and Cadastral Registers	Hristo Dechev, Betina Todorova	In person / Online
	5	Development of an AI-Powered QGIS Plugin for Processing Open Cadastral Data	Stanimir Dimitrov	In person
10:30 11:00	**Coffee break**			
11:00 12:30		**6. PHOTOGRAMMETRY AND LASER SCANNING (VI) – PAPERS AND DISCUSSION**	Assoc. Prof. Dr Eng. Silvia Katsarska-Filipova Assoc. Prof. Dr Eng. Veselina Gospodinova	
	1	Artificial Intelligence and the Human Expert in Photogrammetry: Towards Full Automation?	Aiman Mala, Huech Al Mahamud (KW)	Online
	2	Potential Applications of Photogrammetric Methods in Road Section Analysis	Vasil Dimitrov	In person
	3	Limitations of the Normalized Difference Water Index in Water Body Mapping	Adrian Yordanov	In person

	4	Mobile Laser Scanning and 3D Visualization Using Gaussian Primitives for a Virtual Inspection of a Railway Tunnel	Georgi Zhelyazkov, Asparuh Kamburov	In person
	5	Investigation of Automated Semantic Segmentation of Point Clouds Using Pretrained Models in LiDAR360 MLS	Antonia Gadeleva, Radoslav Nikolov	In person
12:30 14:00	**Lunch break**			
14:00 15:30		**7. SATELLITE SYSTEMS AND RESEARCH (VII) – PAPERS AND DISCUSSION**	Prof. Dr Eng. Keranka Vasileva Prof. Dr Eng. Hristo Nikolov	
	1	Multitemporal Analysis of Ground Surface Deformation in Urban Areas Using European Ground Motion Service (EGMS) Data: A Case Study of the Poduyane District, Sofia	Mila Atanasova-Zlatareva	In person
	2	Using Geospatial Data to Investigate Slow-Moving Landslides: The Raykovi Livadi Site	Hristo Nikolov	In person
	3	GNSS Analysis of Ionospheric Electron Content over Livingston Island During Solar Cycle 25	Asparuh Kamburov	In person
	4	Impact of the GLE 77 Cosmic-Ray Intensity Enhancement of 11 November 2025 on the Ionosphere and the Global Navigation Satellite System	Petar Velinov, Radostin Pavlov, Krasimir Krastev	In person
	5	A Model for Two-Way Communication in Satellite GNSS and 6G Networks and Its Potential Application in Space Geodesy	Bogdan Dimitrov	In person
	Adoption of Recommendations and Closing of the Symposium			

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