



TOPICS

- **Spatial Information Management**
- **Spatial technology for Positioning and Measurement**
- **Engineering Surveying & Deformation Monitoring**
- **Cadastral and Land Management**
- **Applied and Environmental Science**



PROGRAM

December 16 – 17, 2021

Iasi, Romania

Online edition - Microsoft Teams

Thursday, December 16, 2021

Time	Event	Place
08:00 – 10:00	Online Registration	http://geomat.ro/
10:00 – 11:15	<p>Welcome speeches for GEOMAT 2021 <i>Chair: Assoc. Prof. Constantin CHIRILĂ – Director of Surveying and Cadastre Department, Faculty of Hydrotechnics, Geodesy and Environmental Engineering, “Gheorghe Asachi” Technical University of Iasi</i></p> <p>Welcome speeches: Prof. Dan CAȘCAVAL, Rector of the “Gheorghe Asachi” Technical University of Iasi Assoc. Prof. Nicolae MARCOIE, Dean of the Faculty of Hydrotechnics, Geodesy and Environmental Engineering, “Gheorghe Asachi” Technical University of Iasi Eng. Ionuț SĂVOIU, President of the Romanian Association of Surveyors Prof. Gheorghe BADEA, Dean of the Faculty of Geodesy, Technical University of Civil Engineering Bucharest Assoc. Prof. Livia NISTOR-LOPATENCO, Dean of the Faculty of Constructions, Geodesy and Cadastre, Technical University of Moldova Prof. Pietro GRIMALDI, Polytechnic of Bari, Italy, President of Italian Comitee Fotogrammetria Architettonica (COIFA)</p>	Online (Microsoft Teams)
11:15 – 11:25	Room setting interval	
11:25 – 12:25	<p>Session presentations “Spatial Information Management” <i>Chair: Assoc. Prof. Constantin CHIRILĂ, Lecturer Maximilian DIAC</i></p> <p>1. Iuliana Maria Pârvu, Petre Iuliu Dragomir: 3D building modelling based on ALS point clouds</p> <p>2. George-Calin Baltariu, Constantin Bofu: A GIS for the pedological soil mapping of Popricani area in Iasi County</p> <p>3. Iuliana Adriana Cuibac Picu, Petre Iuliu Dragomir: Accurate geospatial data for creating a Smart City</p> <p>4. Ioana Chiriac, Livia Nistor-Lopatenco, Ana Vlasenco: Spatial Information Management in creating of Digital Atlas of Moldova</p>	Online (Microsoft Teams)
12:25 – 12:30	Break time	
12:30 – 13:30	<p>Session presentations “Spatial Information Management; Engineering Surveying & Deformation Monitoring” <i>Chair: Prof. Constantin BOFU, Lecturer Loredana CRENGANIȘ</i></p> <p>5. Loredana Mariana Crenganis, Claudiu Pricop, Maximilian Diac: Floodplain Mapping Using ArcGIS and HEC-RAS: A Case Study of U.A.T. Ungheni, Iasi county, Romania</p> <p>6. Maximilian Diac, Loredana Mariana Crenganis, Vasilica Alexandru Oprisanu, Ioan Balan: GIS network analysis in landslides and flood risk management</p> <p>7. Agapie (Mereuță) Ioana, Luca Mihail, Mereuță Daniel, Loredana Mariana Crenganis: Comparative analysis regarding GIS interpolation methods in the problems of spatial analysis and obtaining MDT</p> <p>8. Agapie (Mereuță) Ioana, Luca Mihail, Gherasim Paul Marian: Monitoring the stability of earthdams using local geodetic networks</p>	Online (Microsoft Teams)
13:30 – 14:30	Lunch break	

14:30 – 15:30	<p>Session presentations “Spatial technology for Positioning and Measurement Cadastrre and Land Management Applied and Environmental Science” <i>Chair: Prof. Ana Cornelia Badea, Assoc. Prof. Horațiu HOGAȘ</i></p>	Online (Microsoft Teams)
	<p>9. Paul Sestras, Sanda Nas, Ioel Veres: The use of UAS and GIS spatial analysis in cadastral surveying and technical documentations</p>	
	<p>10. Valeria-Ersilia Oniga, Ana-Ioana Breaban, Norbert Pfeifer, Maximilian Diac: Semi-automatic workflow for 3D building models generation based on UAS images</p>	
	<p>11. Mihail Luca, Nicolae Marcoie, Violeta Dominte (Croitoru), Ioana Agapie (Mereuta): Considerations regarding the verification of the topographic drawing parameters of structural components at earth dam</p>	
	<p>12. Cucuteanu Adelina-Cristina, Todirica Ionut-Emilian, Zaborila Anca, Topolniceanu Alexandru, Giurma-Handley Catrinel Raluca, Petrica Cercel: Open source flood mapping tools – QGIS, river GIS and HEC-RAS</p>	
15:30 – 15:35	<i>Break time</i>	
15:35 – 16:50	<p>Session presentations “Geomatics and new technologies of geospatial science” <i>Chair: Prof. Mihail Luca, Prof. Giurma-Handley Catrinel Raluca</i></p>	Online (Microsoft Teams)
	<p>13. Anișoara Filip: Paraglacial geomorphological transformations and palaeoclimate changes in Rodna Mountains</p>	
	<p>14. Postavaru Alexandru, Ion Giurma: Reaserch and case studies on water losses in distribution networks and their effect on the groundwater</p>	
	<p>15. Paula Stoica, Ioan-Corneliu Martîncu, Catrinel-Raluca Giurma-Handley: Watershed delineation using digital elevation model in ArcGIS</p>	
	<p>16. Martincu Ioan-Corneliu, Zaborila Anca, Todrica Ionut-Emilian, Stoica Paula, Giurma-Handley Catrinel Raluca: Comparative analysis of the infiltration model in an urban catchment</p>	
	<p>17. Andrei Pavaleanu, Ion Giurma Local water supply systems deficiencies and safety measures. Case study.</p>	

Friday, December 17, 2021

	Event	Place
08:00 – 10:00	Online Registration	http://geomat.ro/
10:00 – 11:00	National professional competition for students in the field of geodetic engineering <i>Chair: Assoc. Prof. Valeria-Ersilia ONIGA, Prof. Caius DIDULESCU, Prof. Sorin NISTOR</i>	Online (Microsoft Teams)
	1. Iosif Lavric, Elena Militaru: Computer application for processing, analyzing and visualizing geodetic data	
	2. George Calin Baltariu, Alexandru Dumitru Surmei: An informatic application that eases the use of GIS data by office clerks	
	3. Claudiu Mărtinaș, Iosif Lavric, Damian Marcan: Computer application for the study of the measurement precision of a professional Laser Distance Meter	
11:00 – 11:05	Break time	
11:05 – 12:30	Sponsor presentations <i>Chair: Prof. Constantin BOFU, Lecturer Dan PĂDURE</i>	Online (Microsoft Teams)
	Workshop „Using TopoLT for cadastral works and the possibilities offered by TransLT for coordinate transformation ” Ing. Brandusa Parlog – General Manager of CADWARE Engineering Ing. Cristinel Bujor – General Manager of Space 3D, developer of TopoLT, ProfLT and TransLT applications	
12:30 – 12:35	Break time	
12:35 – 12:45	Student Competition Award <i>Chair: Assoc. Prof. Valeria-Ersilia ONIGA</i>	Online (Microsoft Teams)
12:45 – 13:00	The closing ceremony of Geomat symposium <i>Chair: Assoc. Prof. Nicolae MARCOIE</i>	Online (Microsoft Teams)
16:00	UGR event - official meeting of the IASI branch	



HOTARNIC



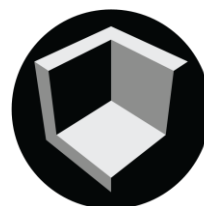
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