



International Symposium

GEOMAT 2018

6th Edition

"Geomatics and new technologies of geospatial science"



November 15 – 16, 2018
Iasi, Romania

Thursday, November 15, 2018

Time	Event	Place
08:00 – 17:00	Registration	A0 Hall
10:00 – 11:00	<p>Opening ceremony for GEOMAT 2018. Conference official photo. Chair: Prof. Florian STĂTESCU – Dean of Faculty of Hydrotechnics, Geodesy and Environmental Engineering, “Gheorghe Asachi” Technical University of Iasi</p> <p>Welcome speeches: Mihai CHIRICA, Mayor of IASI CITY Prof. Ion GIURMA, “Gheorghe Asachi” Technical University of Iasi, member of the Academy of Romanian Scientists and member of the Academy of Agricultural and Forestry Sciences Prof. Cornel PĂUNESCU, President of the Romanian Association of Surveyors Prof. Gheorghe BADEA, Dean of the Faculty of Geodesy, Technical University of Civil Engineering Bucharest Prof. Vasile CHIRIAC, President of the Moldavian Union of Surveyors, Republic of Moldova and CLGE Secretary General Prof. Pietro GRIMALDI, Polytechnic University of Bari, Italy, President of Italian Committee Fotogrammetria Architettonica (COIFA) Anatolie GHILAȘ, Director of Agency for Land Relations and Cadastre, Chișinău, Republic of Moldova On the 80th Anniversary of Professor Valeriu MOCA, “Ion Ionescu de la Brad” University of Agricultural Science and Veterinary Medicine of Iași, Romania</p>	A0
11:00 – 11:30	Coffee break	A0 Hall
11:30 – 13:00	<p>Plenary session: “Geomatics and new technologies of geospatial science” Chair: Prof. Dumitru ONOSE, Prof. Gheorghe BADEA</p> <ol style="list-style-type: none"> Wilhelm Stelling: Open-cast surveying using UAV Iuliana Constantinov, Vasile Chiriac: Adjustment of permanent station network MOLDPOS Pietro Grimaldi: The rock churches, jewels carved into the rock: survey and new technologies Ana-Ioana Breabăn, Ersilia Oniga: Automatic urban building roofplanes extraction using ALS (LiDAR) data Sponsor presentations 	A0
13:00 – 14:30	Lunch	A0 Hall
14:30 – 16:30	<p>Plenary session Chair: Prof. Petre Iuliu DRAGOMIR, Assoc. Prof. Vasile CHIRIAC</p> <ol style="list-style-type: none"> Gheorghe Nistor, Cristian Onu, Gabriel Săndulache: 200 years from the establishment of the Superior School of Land Surveying Engineering in the national language from Wallachia (1818-2018). Remember: Gheorghe Lazăr Daniela Răboj, Alexandra Nadia Cîrdei: The valuation process of green buildings in the context of urban development Valeriu Moca, Horațiu-Iulian Hogaș, Radu Oprea, Mihaela Macovei: The evolution of cadastre and cartography in Romania in the 100 years from the great union (1918-2018) Costel Boariu, Costică Roman: Integration of hydropower, with solar and wind renewable sources. Intelligent energy system in “Vanatori” Neamt natural park, Romania Ioan Voina, Mircea Beldea, Flavius Petru Bozu: Coordinate systems used in the last 100 years on the territory of Romania 	A0
16:30 – 17:00	Coffee break	A0 Hall
17:00 – 17:30	<p>Debate: Current issues in geodesy Chair: Prof. Cornel PĂUNESCU, Prof. Constantin BOFU</p>	A0
19:00	Gala dinner – Cosmopolitan restaurant, Ramada Hotel Iasi	

Friday, November 16, 2018

Time	Event	Place	
08:00 – 10:00	Registration	A0 Hall	
10:00 – 11:00	Session presentations <i>Chair: Assoc. Prof. Constantin CHIRILĂ, Assoc. Prof. Ersilia ONIGA</i>	A0	
	Geodesy and Cartography; Engineering Geodetic Measurements; Photogrammetry and Remote Sensing		1. Floarea-Maria Brebu, Alina Corina Bălă: Comparative analysis of specific deformations geodetic reference systems in Romania
			2. Maria Ovdii: Scientific implication of the Struve Geodetic Arc measurements in development of geodetic infrastructure
			3. Mihail Iacob, Vasile Chiriac, Vladimir Ciclicci: Study of the inclinometer calibration method using geodetic measurements
			4. Octavian Potînga, Valeriu Seinic: The use of PAMS (Personal Aerial Mapping System) system to collect aerial geospatial imagery for the development of cadastral plans
	5. Iuliana Cuibac Picu, Iuliana Parvu: Pixel based classification of images		
11:00 – 11:30	Coffee break	A0 Hall	
11:30 – 13:00	Session presentations <i>Session Chair Person: Assoc. Prof. Adrian SAVU, Lecturer Horațiu Iulian HOGAȘ</i>	A0	
	Cadastral and Real Estate Publicity; Real Estate Valuation		6. Olga Buzu: Regarding valuation methodology for tax assessment of real property from the perspective of international valuation standards
			7. Nicolae-Silviu Manda: CADGen2.0 - Systematic Cadastre Application under AutoCAD and BricsCAD
			8. Liliana Jitari: The evaluation of mortgage objects within the state program "The First House" in the Republic of Moldova
			9. Mihail Turculeț, Sergiu Popescu, Angela Popescu: Information basis analysis of the real estate cadastre properties for purpose information of the computer specific to agriculture within a district
			10. Efim Zubco, Ion Botnarenco: The role of the regulatory system of agricultural land relations in the Republic of Moldova
	11. Ion Botnarenco, Efim Zubco: The role of models in the cadastre		
13:00 – 14:30	Lunch	A0 Hall	
14:30 – 15:00	The closing ceremony of Geomat symposium	A0	

Friday, November 16, 2018

Time	Event	Place
08:00 – 10:00	Registration	A0 Hall
10:00 – 11:00	Session presentations <i>Chair: Prof. Mihail LUCA, Prof. Catrinel-Raluca GIURMA-HANDLEY</i>	HPM1
	Applied and Environmental Science 1. Catrinel-Raluca Giurma-Handley, Ion Giurma: Establishing the maximum flow rates and volumes for floods with different probabilities required for dimensioning and exploitation of hydrotechnical constructions	
	2. Mihail Luca, Paul Vivian Sion, Ștefania Chirica, Mihaela Avram, Fabian Tămășanu: Monitoring of degradation process of the shore defence works in erodable riverbeds	
	3. Catrinel-Raluca Giurma-Handley, Ion Giurma: Surface run-off type methods for modelling floods	
11:00 – 11:30	Coffee break	A0 Hall

Time	Event	Place
10:00 – 14:30	Poster presentation <i>Session Chair Person: Lecturer Loredana CRENGANIS</i>	A0 Hall
	Photogrammetry and Remote Sensing; Geographic Information Systems; Applied and Environmental Science 1. Ana Cornelia Badea, Gheorghe Badea: An Overview on Space Time Cube Visualization in GIS – poster presentation	
	2. Iulia Dana Negula, Cristian Moise, Ersilia Oniga: Satellite imagery derived analysis of the cultural heritage sites and their surroundings – poster presentation	
	3. Constantin Ioan Inel, Marius Breazu, Iulia Dana Negula, Ersilia Oniga: Multitemporal analysis of the Alba Carolina Citadel using remote sensing imagery – poster presentation	
	4. Cristian Moise, Iulia Dana Negula, Ersilia Oniga: Remote sensing preparatory activities for the 3D reconstruction of cultural heritage sites – poster presentation	
	5. Iulia Dana Negula, Constantin Ioan Inel, Marius Breazu, Ersilia Oniga: Remote sensing characterisation of Alba Iulia using radiometric indices – poster presentation	
	6. Ioana Agapie (Mereuță), Mihail Luca, Ioana Gabriela Nantu: Contributions to improvement of immovable management in rural localities using the ArcGIS platform – poster presentation	
	7. Ioana Gabriela Nantu, Mihail Luca, Ioana Agapie (Mereuță): Implementing a filing system and real time tracking of properties using GIS technology – poster presentation	
	8. Claudiu Pricop, Isabela Balan, Loredana Crenganis, Flaviana Corduneanu, Andrei Urzică: Runoff simulation in large rural and urban areas using Mike 21 Flexible Mesh modeling – poster presentation	
14:30 – 15:00	The closing ceremony of Geomat symposium	A0