



ROMANIA
MINISTERUL EDUCAȚIEI
UNIVERSITATEA "1 DECEMBRIE 1918" DIN ALBA IULIA



ALBA IULIA
GeoCAD
2024

NATIONAL SCIENTIFIC SYMPOSIUM WITH INTERNATIONAL PARTICIPATION

10th – 11th of May 2024

PROGRAM



ALBA IULIA
GeoCAD
2024





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Lect. PhD. eng. George Emanuel VOICU
Lect. PhD. eng. Florina VOICU
Asist. PhD. stud. eng. Cosmina CIMPEAN
Eng. Mircea AFRĂSINEI
Eng. Iaroslav ZIFCEAC





PROGRAMUL

SIMPOZIONULUI NAȚIONAL CU PARTICIPARE INTERNAȚIONALĂ

GeoCAD 2024

“Actualitatea în cadastru”

Ediția a XVI-a, Alba Iulia, 10-11 MAI 2024

Vineri, 10 mai 2024

8:30 – 9:00	Primirea participanților	Hol Amfiteatru A9
9:00 – 10:00	Deschiderea Simpozionului	Amfiteatru A9
10:00 - 10:30	Pauză de cafea	Hol Amfiteatru A9
	Deschidere expoziție aparatură de specialitate	Corp H, etaj I
10:30 - 13:00	Lucrări în plen	Amfiteatru A9
13:00 - 14:00	Masa de prânz	Restaurantul Universității
14:00 - 17:00	Prezentarea lucrărilor pe secțiuni	Corp H
18:00 - 22:00	Cină festivă Ciumbrud	Domeniile Ciumbrud

Sâmbătă, 11 mai 2024

9:00 - 12:00	Atelier de lucru: Young Surveyors	Corp H
10:00 - 12:00	Conferință UGR	Sala Senatului
12:00 - 13:00	Bufet	





Vineri, 10 mai 2024

Prezentări în plen – Amfiteatru A9	
Moderatori: <i>Prof. Habil. PhD. Eng. Gheorghe BADEA</i> <i>Prof. Habil. PhD. Eng. Ioan IENCIU</i>	
10:30	Considerations on Advanced GNSS Data Processing Techniques <i>Ileana SPIROIU, PhD. Eng., National Center for Cartography, Romania</i> <i>Vlad SORTA, PhD. Eng., National Center for Cartography, Romania</i> <i>Mihaela-Simina PUIA, PhD. Eng., National Center for Cartography, Romania</i> <i>Livioara BRAȘOVANU, PhD., National Center for Cartography, Romania</i> <i>Iulian BANCIU, Eng., National Center for Cartography, Romania</i>
10:50	The Impact of the Changes in the Curriculum in Strengthening the Students Competences from the Faculty of Geodesy Bucharest <i>Caius DIDULESCU, Prof. PhD. Eng., Technical University of Civil Engineering Bucharest, Faculty of Geodesy, Romania</i> <i>Adrian SAVU, Prof. PhD. Eng., Technical University of Civil Engineering Bucharest, Faculty of Geodesy, Romania</i> <i>Anca Patricia GRĂDINARU, Assist. PhD. Eng., Technical University of Civil Engineering Bucharest, Faculty of Geodesy, Romania</i>
11:10	A Review of Geospatial Data Analysis and Visualization Using Machine Learning <i>Floarea-Maria BREBU, Lect. PhD. Eng. Jur., Politehnica University Timisoara, Civil Engineering Faculty, Romania</i> <i>Cosmin-Constantin MUȘAT, Assoc. Prof. PhD. Eng., Politehnica University Timisoara, Civil Engineering Faculty, Romania</i> <i>Clara-Beatrice VÎLCEANU, Assoc. Prof. Habil. PhD. Eng. Ec., Politehnica University Timisoara, Civil Engineering Faculty, Romania</i> <i>Ioan-Sorin HERBAN, Prof. Habil. PhD. Eng., Politehnica University Timisoara, Civil Engineering Faculty, Romania</i> <i>Carmen GRECEA, Prof. Habil. PhD. Eng., Politehnica University Timisoara, Civil Engineering Faculty, Romania</i>





11:30	<p>Urban Data Integrated Management and Scenario Development in the Context of Achieving SDG Indicators</p> <p><i>Anca ENE, PhD. stud. Arch., Technical University of Civil Engineering Bucharest, Faculty of Geodesy, Romania</i></p> <p><i>Ana-Cornelia BADEA, Prof. Habil. PhD. Eng., Technical University of Civil Engineering Bucharest, Faculty of Geodesy, Romania</i></p> <p><i>Gheorghe BADEA, Prof. Habil. PhD. Eng., Technical University of Civil Engineering Bucharest, Faculty of Geodesy, Romania</i></p> <p><i>Anca Patricia GRĂDINARU, Assist. Prof. PhD. Eng., Technical University of Civil Engineering Bucharest, Faculty of Geodesy, Romania</i></p>
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Prezentări în plen – Amfiteatru A9

Moderatori:

Prof. PhD. Levente DIMEN
Eng. Mircea AFRĂSINEI

12:00	<p>Leica Reality Capture. Tehnologii și echipamente de ultimă generație</p> <p><i>Mihai AVĂDANEI, Eng., Top Geocart SRL</i></p>
12:20	<p>Inovațiile în tehnologiile de scanare laser 3D de ultimă generație - Trimble & NavVis</p> <p><i>Sergiu CEAUSU, Eng., GISCAD SRL</i></p>





Lucrări pe secțiuni – Secțiunea A „Actualitatea în cadastru”¹ – H1.4, Corp H

Moderatori:

Prof. Habil. PhD. Eng. Ana-Cornelia BADEA

Prof. Habil. PhD. Eng. Tudor SĂLĂGEAN

Assoc. Prof. PhD. Eng. Andreea BEGOV UNGUR

14:00	Investigation of Micro-relief Using UAV Technology <i>Peter UDVARDY, Assoc. Prof. PhD. Eng., Óbuda University - Alba Regia Technical Faculty, Székesfehérvár, Hungary</i> <i>Tamas JANCSON, Prof. Habil. PhD. Eng., Óbuda University - Alba Regia Technical Faculty, Székesfehérvár, Hungary</i>
14:15	Application of Geodesic Determination Methods Using 3D Terrestrial Scanning in Monitoring Saline Areas Subject to Landslides <i>Nicolae Ion BABUCA, Assoc. Prof. PhD. Eng., University of Craiova, Faculty of Agronomy, Romania</i> <i>Alin CROITORU, Lect. PhD. Eng., University of Craiova, Faculty of Agronomy, Romania</i> <i>Aurel CĂLINA, Prof. PhD. Eng., University of Craiova, Faculty of Agronomy, Romania</i> <i>Jenica CĂLINA, Assoc. Prof. PhD. Eng., University of Craiova, Faculty of Agronomy, Romania</i> <i>Marius MILUȚ, Assoc. Prof. PhD. Eng., University of Craiova, Faculty of Agronomy, Romania</i>
14:30	Aspects Regarding the Use of the System of Normal Altitudes in Romania <i>Gabriel BĂDESCU, Assoc. Prof. PhD. Eng., University of Craiova, Faculty of Agronomy, Romania</i>
14:45	Accuracy Evaluation of Products Based on UAV Data Processed Using Different Approaches <i>Iuliana CUIBAC, PhD, National Center of Cartography, Romania</i> <i>Iuliana Maria PĂRVU, PhD, National Center of Cartography, Romania</i> <i>Adrian Grigore PĂRVU, National Center of Cartography, Romania</i>

¹ Secțiunea se desfășoară în sistem hibrid, în sala H1.4, Corp H, sau online:

Topic: GeoCAD's Zoom Meeting
Time: May 10, 2024 02:00 PM Bucharest

Join Zoom Meeting

<https://us06web.zoom.us/j/83107611726?pwd=HakTZWWbaAeZBsrmiEKsmiCNML4D0u.1>

Meeting ID: 831 0761 1726

Passcode: 087239





15:00	Climate Resilience in Urban Areas <i>Izabella MARIN LAZAR, Lect. PhD. Eng., "1 Decembrie 1918" University of Alba Iulia, Romania</i>
15:15	Usage of GIS in Integrating Spatial Data for Dumbrăvița Territorial Administrative Unit, Maramureș County, Romania <i>Iulius Eduard KELLER, PhD. Eng., Office of Cadaster and Land Registration of Maramureș, Romania</i> <i>Ovidiu ȘTEFAN, PhD. Eng., Office of Cadaster and Land Registration of Maramureș, Romania</i>
15:30	Reflections and Comments on the Process of Tracking the Behavior of Constructions Over Time <i>Cristian ONU, Lect. PhD. Eng., "Gheorghe Asachi" Technical University of Iasi, Romania</i> <i>Costinela PÎRVAN, Lect. PhD. Eng., "Gheorghe Asachi" Technical University of Iasi, Romania</i>
15:45	Systematic Registration Financed by European Funds Integral Part of National Cadastre and Land Registry Program <i>Ileana SPIROIU, PhD. Eng., National Center of Cartography, Romania</i> <i>Victor GRIGORESCU, Eng., National Center of Cartography, Romania</i>





Lucrări pe secțiuni – Secțiunea B² „Young Researchers” – H0.4, Corp H

Moderatori:

Assoc. Prof. PhD. Eng. Clara-Beatrice VÎLCEANU

Assoc. Prof. PhD. Eng. Nicolae Ion BABUCA

Assoc. Prof. PhD. Eng. Tudor BORȘAN

14:00	Efectele aplicării legii în activitatea de cadastru – studiu comparativ a rezoluțiilor care pot fi adoptate în vederea înscrierii în cartea funciară a proprietăților imobiliare <i>Ioana Aurica BERINDEIE, Eng. Master stud., „1 Decembrie 1918” University of Alba Iulia, Romania</i> <i>Andreea BEGOV UNGUR, Assoc. Prof. PhD. Eng., „1 Decembrie 1918” University of Alba Iulia, Romania</i>
14:15	Use of Drone DJI Phantom 4 in Environmental Protection <i>Andreea BEGOV UNGUR, Assoc. Prof. PhD. Eng., “1 Decembrie 1918” University of Alba Iulia, Romania</i> <i>Florentina BREBAN, Eng., “1 Decembrie 1918” University of Alba Iulia, Romania</i> <i>Alexandra DREGHICI, Lect. PhD. Eng., “1 Decembrie 1918” University of Alba Iulia, Romania</i>
14:30	Enhancing Powerline Monitoring Efficiency Through Airborne Lidar and Slam <i>Simion BRUMA, Assist. PhD. stud. Eng., Faculty of Forestry and Cadastre, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania</i> <i>Ioana POP, Prof. PhD., Faculty of Forestry and Cadastre, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania</i> <i>Florica MATEI, Prof. PhD., Faculty of Forestry and Cadastre, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania</i> <i>Jutka DEAK, Assoc. Prof. PhD. Eng., Faculty of Forestry and Cadastre, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania</i> <i>Cătălin SABOU, Assist. PhD. stud. Eng., Faculty of Forestry and Cadastre, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania</i> <i>Maria FILIP-GHERMAN, Eng. Master stud., Faculty of Forestry and Cadastre, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania</i> <i>Tudor SALĂGEAN, Prof. PhD. Eng., Faculty of Forestry and Cadastre, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania</i>

² Secțiunea se desfășoară în sistem hibrid, în sala H0.4, Corp H, sau online:

Topic: Geocad Young Researchers 2024
Time: May 10, 2024 02:30 PM Bucharest

Join Zoom Meeting

<https://us06web.zoom.us/j/82655877437?pwd=gjPT95UvLaRH3OuJa2Cy39HvQSWjJN.1>

Meeting ID: 826 5587 7437

Passcode: 256881





14:45	Realization of the National Cadastre and Land Registry Program in Romania, Case Study: Craiva Village, Alba County <i>Cosmina CIMPEAN, Assist. PhD. stud. Eng., "1 Decembrie 1918" University of Alba Iulia, Romania</i> <i>Daniela Lucia MANEA, Prof. Habil. PhD. Eng., Technical University of Cluj Napoca, Romania</i>
15:00	Cartografierea și monitorizarea perimetrelor miniere de calcar utilizând tehnici și tehnologii satelitare <i>George Ionuț Răzvan FAZACAS, PhD. stud., Universitatea Petroșani, Romania</i> <i>Ioel VEREȘ, Prof. PhD. Eng., Universitatea Tehnică Cluj-Napoca, Universitatea Petroșani, Romania</i> <i>Sanda NAS, Assoc. Prof. PhD. Eng., Universitatea Tehnică Cluj-Napoca, Romania</i> <i>Raluca GALGAU, Lect. PhD. Eng., Universitatea Tehnică Cluj-Napoca, Romania</i>
15:15	The Current Situation of the Public Transport on Blaj – Alba Iulia Axis <i>Adina – Ana MUREȘAN, Lecturer PhD. Eng., "1 Decembrie 1918" University of Alba Iulia, Romania</i>
15:30	Monitoring Deforestation in the Administrative Territory of Curățele Commune Using Sentinel Satellite Data and GIS Processing and Interpretation Algorithms <i>Cătălin SABOU, Assist. PhD. stud. Eng., Faculty of Forestry and Cadastre, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania</i> <i>Ioana POP, Prof. PhD., Faculty of Forestry and Cadastre, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania</i> <i>Florica MATEI, Prof. PhD., Faculty of Forestry and Cadastre, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania</i> <i>Jutka DEAK, Assoc. Prof. PhD. Eng., Faculty of Forestry and Cadastre, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania</i> <i>Simion BRUMĂ, Assist. PhD. stud. Eng., Faculty of Forestry and Cadastre, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania</i> <i>Tudor SĂLĂGEAN, Prof. PhD. Eng., Faculty of Forestry and Cadastre, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania</i>
15:45	Applying Computer Supported Media in Land-Use Management <i>Ildiko TULBURE, Prof. Habil. PhD. Eng., "1 Decembrie 1918" University of Alba Iulia, Romania</i> <i>Cristian COPOSESC, Eng. stud., "1 Decembrie 1918" University of Alba Iulia, Romania</i> <i>Alexandra DREGHICI, Lect. PhD. Eng., "1 Decembrie 1918" University of Alba Iulia, Romania</i>





16:00	Role of Geotechnical Research for Shaping Sustainable Cities <i>Ildiko TULBURE, Prof. Habil. PhD. Eng., "1 Decembrie 1918" University of Alba Iulia, Romania</i> <i>Teodora (BARDAN) EFTENIE, Geol., SC Geo Expert Plus SRL, Alba Iulia, Romania</i>
16:15	Strategies to mitigate environmental impact in Danube Delta <i>Ildiko TULBURE, Prof. Habil. PhD. Eng., "1 Decembrie 1918" University of Alba Iulia, Romania</i> <i>Marin Eduard EFTENIE, Eng. Master stud., "1 Decembrie 1918" University of Alba Iulia, Romania</i>





Sâmbătă, 11 mai 2024

Atelier de lucru: Young Surveyors – H1.4, Corp H	
9:00	Activitate interactivă: <i>Young Surveyors Get Inspired</i> <i>Invitați: Mircea AFRĂȘINEI, Eng. – Președinte UGR</i> <i>Adela ȘERBĂNETE VESA, Eng., Cristian VESA, Eng. – Stereographic CAD</i>
10:00	Activitate practică: <i>Leica Reality Capture. Prezentarea fluxului de lucru privind utilizarea echipamentelor: Leica BLK360, Leica BLK2GO, Leica BLK2GO pulse</i> <i>Mihai AVĂDANEI, Eng., Top Geocart SRL</i>





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