



Saptamâna Geodeziei Românești Romanian Surveying Week



International Symposium



9th Edition

PROGRAMME



15-19 November, 2022

Iasi, ROMANIA

Romanian Surveying Week

Tuesday
November 15, 2022



15:00 - 19:00	Registration	Congress Palas Hall
19:00	Welcome Cocktail	



15-19 November, 2022
Iasi, ROMANIA

Romanian Surveying Week

Wednesday, November 16, 2022

08:00 -
17:00

Registration

Congress Palas
Hall

Opening Ceremony & Welcome Speeches

Chair: Assoc. Prof. **Nicolae MARCOIE** – Dean of Faculty of Hydrotechnics, Geodesy and Environmental Engineering, "Gheorghe Asachi" Technical University of Iasi

Assoc. Prof. **Constantin CHIRILA** – Director of Surveying and Cadastre Department, Faculty of Hydrotechnics, Geodesy and Environmental Engineering, "Gheorghe Asachi"

09:30 -
11:00

Technical University of Iasi

Prof. **Dan CASCAVAL**, Rector of the "Gheorghe Asachi" Technical University of Iasi

Eng. **Mircea AFRASINEI**, President of the Romanian Association of Surveyors

Mihai CHIRICA, Mayor of IASI CITY

Costel ALEXE, President of IASI County Council

Petru-Bogdan COJOCARU, Prefect's Institution of IASI County

Eng. **Ionut SAVOIU**, State Secretary of Ministry of Transport and Infrastructure

Alexandru Laurentiu BLAGA, Counselor of state – Office of the Prime Minister - Government of Romania

Ioan Cristian BUZAS, Cadastre and Geodesy Directorate, National Agency for Cadastre and Land Registration

Angela MATCOV, Director of the Cadastre Department, Public Services Agency from Republic of Moldavia

Prof. **Gheorghe BADEA**, Dean of the Faculty of Geodesy, Technical University of Civil Engineering Bucharest

Traian Claudy IRIMIA, The Secretariat of the National Union of Notaries Public from Romania

**Vivaldi
Hall**



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11.00 - 11:15	Starting Exhibition - Surveying and data processing technology Photo session	Chopin Hall
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11.00 - 11:30	 Coffe Break	Chopin Hall
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11.30 - 13:00	<p>Plenary Session – Keynote Speakers Presentations Chair: Prof. Cornel PAUNESCU, Prof. Ersilia Valeria ONIGA</p> <ol style="list-style-type: none">1. Diane DUMASHIE - President of the International Federation of Surveyors (FIG)2. Dr. Orhan ERCAN - Vice President of the International Federation of Surveyors (FIG)3. Vladimir KRUPA - President of the Council of European Geodetic Surveyors (CLGE)4. Constantin ENE - National Agency for Cadastre and Land Registration5. Prof. Ana-Cornelia BADEA - Faculty of Geodesy, Technical University of Civil Engineering Bucharest6. Prof. Pietro GRIMALDI - Polytechnic of Bari, Italy, President of Italian Comitee Fotogrammetria Architettonica (COIFA)7. On the 85th Anniversary of Professor Gheorghe NISTOR, Faculty of Hydrotechnics, Geodesy and Environmental Engineering, "Gheorghe Asachi" Technical University of Iasi	Vivaldi Hall
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13.00 - 14:00	 Lunch	Chopin Hall
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14.00 - 15:30	<p>Round Table – National Program for Cadastre and Land Registration (PNCCF) Chair: Eng. Mircea AFRASINEI</p> <p><u>Invitates:</u></p> <ul style="list-style-type: none">- Representatives of the National Agency for Cadastre and Land Registration (ANCPI)- Representatives of the Romanian Association of Surveyors (UGR)- Representatives of the Romanian Association of Private Surveyors (APCGC)- Botond-Jozsef RAKOSSY, Topo Service S.A., Romania	Vivaldi Hall
15.30 - 16:00	 <p>Coffe Break</p>	Chopin Hall
16.00 - 17:30	<p>Round Table – CNC, UGR, APCGC Private sector solutions for enhancing the spatial data infrastructure Chair: Eng. Vlad SORTA</p> <p><u>Invitates:</u></p> <ul style="list-style-type: none">- Representatives of the National Agency for Cadastre and Land Registration (ANCPI)- Representatives of the Romanian Association of Surveyors (UGR)- Representatives of the Romanian Association of Private Surveyors (APCGC)	Vivaldi Hall
19.00	 <p>Galla Dinner</p>	Vivaldi Hall



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Thursday, November 17, 2022

08:00 -
17:00

Registration

Congress Palas
Hall

Round Table / Technical Session Geospatial Data Management for Built Environment

Chair: Lecturer Maximilian DIAC

Invitates:

09.00 -
10:30

- Prof. **Petre Iuliu DRAGOMIR**, Faculty of Geodesy, Technical University of Civil Engineering Bucharest;
- Prof. **Ana Cornelia BADEA**, Faculty of Geodesy, Technical University of Civil Engineering Bucharest;
- Lecturer **Alin Rubnicu**, representative of the Order of Architects from Romania;
- Lecturer **Bogdan Gheorghe ROSCA**, President of the Association of Structural Designers Builders in Romania, Iasi branch;
- Eng. **Stefan CHIRILA** – Chief of the Technical and Development Department, Iasi City Hall.

**Vivaldi
Hall**

10.30 -
11:00



Coffe Break

**Chopin
Hall**

11.00 -
13:00

Plenary Session: Sponsors presentations: Geomatics Engineering Technology

Chair: Lecturer **Constantin Irinel GRESITA**, Lecturer **Dan PADURE**

TOTAL BUSINESS LAND // KOMORA ENGINEERING

CORNEL&CORNEL TOPOEXIM // GAUSS

CADWARE ENGINEERING // TOP GEOCART

KOMORA // CARTOTOP // GISCAD

**Vivaldi
Hall**

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Romanian Surveying Week

Thursday, November 17, 2022

13.00 -
14:00



Lunch

Vivaldi
Hall

14.00 -
15:30

Spatial Data Management for Transport Infrastructure Development /
Spatial Information Management /
Engineering Surveying & Deformation Monitoring

Technical Session I

Chair: Assoc. Prof. Vasile GRAMA, Assoc. Prof. Constantin CHIRILA

1. James Turner, Bogdan Mazalu-Dragu, Bryan Todhunter, Keith Taverner, Richard Winthrop, Nick Mendham: Streamlining Design Coordination: Connecting High Speed Two to the West Coast
2. Emil-Cristian Gabor, George Cristian, Mihai Mircea Moise
Urban Road Inventory - Challenges and Solutions – Timisoara Case Study
3. Daniel Botnari, Constantin Chirila:
Applied Statistics For the Positioning of Control Points in the Horizontal Deformation Monitoring Network at the "Gura Apelor" Dam
4. Dumitru Botnaru, Vasile Grama: Study of the Behavior of the Hydrotechnical Construction Over Time of the Taraclia Dam in the Republic of Moldova
5. Andreea Diana Clepe, Clara-Beatrice Vilceanu, Anca-Maria Moscovici, Sorin Herban, Carmen Grecea: On the Use of Remote Sensing Satellite Imagery and Thematic Mapping For Cultural Purposes

Vivaldi
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14.00 -
15:30



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Spatial technology for Positioning and Measurement/
Cadastrre and Land Management

Technical Session 1

Chair: Assoc. Prof. **Livia NISTOR LOPATENCO**, Assoc. Prof. **Horatiu-Iulian HOGAS**

1. **Valeria-Ersilia Oniga, Mihaela Macovei, Constantin Chirila, Ana-Ioana Breaban**
Testing Different UAS Equipments and Sensor Integration For Obtaining High Precision Cadastral and Photogrammetric Products-Preliminary Results
2. **Antonio Angrisano, Gino Dardanelli, Anna Innac, Alessandro Pisciotta, Claudia Pipitone, Salvatore Gaglion**: Performance Assessment of Ppp Surveys with Open Source Software Using the GNSS GPS-GLONASS-Galileo Constellations
3. **Vitalie Dilan, Livia Nistor-Lopatenco**:
eService-Oriented Architecture For Cadastral Information System of State Protected Natural Areas in Republic of Moldova
4. **Ioana Agapie (Mereuta), Mihail Luca, Paul Marian Gherasim**:
Considerations Regarding the Performance of the Systematic Cadastre. Case Study Horlesti Municipality, Iasi County
5. **George-Calin Baltariu, Constantin Bofu**: Geographic Information System Applications For Soil Bonitation and Improvement of Registered Land Properties
6. **Cornelia Soimu, Ion Botnarenco**:
Methodological Role of the Register of Land Rights

**Mozart
Hall**

Romanian Surveying Week

Thursday, November 17, 2022

15.30 -
16:00



Coffe Break

**Chopin
Hall**

Spatial Data Management for Transport Infrastructure Projects
Presentations and Round Table

Chair: **Ionut SAVOIU,**

Secretary of State in the Ministry of Transportation and Infrastructure

Presentations:

- **Assoc. Prof. Robert Dobre** - University of Bucharest, Faculty of Geography, Department of Geomorphology, Pedology, Geomatics:

The use of GIS Technologies for the Design and Implementation of the Large Infrastructure Projects

- **D. Arch. Anca Ginavar** – Director of Technical Directorate in the Ministry of Development, Public Works and Administration:

Digitalisation of urban planning and building permitting processes. Enganging reforms in the frame of National Program for Recovery and Resilience

- **Prof. Cornel Paunescu, Lecturer Vlad Paunescu, Assist. Prof. Alexandru Iulian Iliescu, Andreea Elena Savu:** Realization of the orthophoto plan, the Digital Terrain Model (DTM) and the Surface (MDS) for Completion/Revision of the Feasibility Study, elaboration of the Technical Project, for the "Bucharest - Brasov highway, Ploiesti - Brasov section"

16.00 -
18:00

**Vivaldi
Hall**



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Spatial Data Management for Transport Infrastructure Projects
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Chair: **Ionut SAVOIU**,

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Presentations:

Cosmin Dragomir, Valentin Vlad, George Vina, Stefana Ioneanu - Modern methods of acquisition of geospatial data – UNDERGROUND MAPPING and POINTCLOUDS

Georgian Coman, Emil Hansen: Applications of Mobile Laser Scanning for Railway Infrastructure Monitoring

16.00 -
18:00

Round table participants:

Dr. Robert Dobre – Director of the General Directorate for European Programs for Transportation in the Ministry of Transportation and Infrastructure

Radu Pipa – Deputee General Manager for Operations in the National Company CFR SA

Georgian Coman – Vicepresident of The Romanian Surveyors Union – Local Branch Dambovita

Cosmin Dragomir – Vicepresident of The Romanian Surveyors Union

Lecturer Vlad Paunescu – Executive Secretary of The Romanian Surveyors Union

**Vivaldi
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16.00 -
17:30



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Applied and Environmental Science

Technical Session 2

Chair: Prof. Mihail Luca, Prof. Catrinel-Raluca Giurma-Handley

1. **Marius Telisca, Catrinel-Raluca Giurma-Handley, Cosmin-Marian Paerele, Paula Stoica:** Application of GIS Functions to Obtain the Digital Terrain Model
2. **Mihail Luca, Violeta Dominte (Croitoru), Nicolae Marcoie, Ioana Agapie (Mereuta):** Verification of Topographic Drawing Parameters of Water Outlets at Earth Dams
3. **Alexandru Postavaru, Catrinel-Raluca Giurma-Handley:** Research and Case Studies on Water Losses in Distribution Networks Using GPR and Drones with Thermal Cameras
4. **Ioan Corneliu Martincu, Ionut Emilian Todirica, Paula Stoica, Anca Zaborila, Ion Giurma:** Determination of the Impervious Surfaces in an Urban Development Area Using GIS Methods
5. **Alexandru Topolniceanu, Ioan Balan, Catrinel-Raluca Giurma-Handley, Claudiu Pricop, Isabela Balan, Loredana Crenganis:** Runoff Simulation Through the Non-Permanent Accumulation Ciurea Using HEC-RAS 2D
6. **Andrei Pavaleanu, Ion Giurma, Petru Cercel:** Defficiencies of the Water Supply System in the Roman Municipality. Case Study

Mozart
Hall

19:00



Moldavia Dinner

Hanul
Visoianu

International Symposium GEOMAT

10

Romanian Surveying Week

Friday, November 18, 2022

09.00 - 10:30	UGR - National Conference	Vivaldi Hall		
10.30 - 11:00	 Coffe Break	Chopin Hall		
11.00 - 12:30	<p>Young Surveyors - Technical Session 3 Chair: Eng. Iaroslav ZIFCEAC, Lecturer Loredana CRENGANIS</p> <table border="1"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);"> Spatial Data Management for Transport Infrastructure Development / Spatial Information Management / Engineering Surveying & Deformation Monitoring / Spatial technology for Positioning and Measurement / Cadastre and Land Management / Applied and Environmental Science Applied and Environmental Science and Environmental Science </td> <td> <ol style="list-style-type: none"> Gabriel Desmetre, Emanuela Chimiuc: Survey123 Data Collection For Network Control Jacob M. Heck: Building Resilience Into Your Geospatial Career Roshni Sharma: Young Surveyors Worldwide Taking Charge of Humanitarian Surveying: The VCSP </td> </tr> </table>	Spatial Data Management for Transport Infrastructure Development / Spatial Information Management / Engineering Surveying & Deformation Monitoring / Spatial technology for Positioning and Measurement / Cadastre and Land Management / Applied and Environmental Science Applied and Environmental Science and Environmental Science	<ol style="list-style-type: none"> Gabriel Desmetre, Emanuela Chimiuc: Survey123 Data Collection For Network Control Jacob M. Heck: Building Resilience Into Your Geospatial Career Roshni Sharma: Young Surveyors Worldwide Taking Charge of Humanitarian Surveying: The VCSP 	Vivaldi Hall
Spatial Data Management for Transport Infrastructure Development / Spatial Information Management / Engineering Surveying & Deformation Monitoring / Spatial technology for Positioning and Measurement / Cadastre and Land Management / Applied and Environmental Science Applied and Environmental Science and Environmental Science	<ol style="list-style-type: none"> Gabriel Desmetre, Emanuela Chimiuc: Survey123 Data Collection For Network Control Jacob M. Heck: Building Resilience Into Your Geospatial Career Roshni Sharma: Young Surveyors Worldwide Taking Charge of Humanitarian Surveying: The VCSP 			
12.30 - 13:30	Closing & Awards Ceremony	Vivaldi Hall		
13.30 - 15:00	 Farewell Lunch	Chopin Hall		



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