



Faculty of Constructions,  
Geodesy and Cadastre

# ConsGeoCad, the first edition, 2024

## SCIENTIFIC SYMPOSIUM WITH NATIONAL AND INTERNATIONAL PARTICIPATION

21<sup>st</sup> - 23<sup>rd</sup> November 2024

## SYMPOSIUM PROGRAM





Faculty of Constructions,  
Geodesy and Cadastre

# SYMPOSIUM PROGRAM



Faculty of Constructions,  
Geodesy and Cadastre

**ORGANIZED BY**

**FACULTY OF CONSTRUCTIONS, GEODESY AND CADASTRE -**

*Technical University of Moldova, dedicated to the 60th anniversary of  
the founding of the Technical University of Moldova.*





Faculty of Constructions,  
Geodesy and Cadastre

## THE SCIENTIFIC INTERNATIONAL COMMITTEE

Professor, Dr. habil. **Viorel BOSTAN**, Technical University of Moldova, Republic of Moldova

Associate professor, Ph.D. in Engineering **Livia NISTOR-LOPATENCO**, Technical University of Moldova, Republic of Moldova

Associate professor, Dr. habil. **Svetlana ALBU**, Technical University of Moldova, Republic of Moldova

Associate professor, Ph.D. **Anatolie TARANENCO**, Technical University of Moldova, Republic of Moldova

Associate professor, Ph.D. **Ion ALBU**, Technical University of Moldova, Republic of Moldova

Professor, Ph.D. in Engineering **Radu Sorin VĂCĂREANU**, Technical University of Construction Bucharest, Romania

Professor, Ph.D. in Engineering **Viorel POPA**, Technical University of Construction Bucharest, Romania

Professor, Ph.D. in Engineering **Gheorghe BADEA**, Technical University of Construction Bucharest, Romania

Professor, Ph.D. in Engineering **Ana Cornelia BADEA**, Technical University of Construction Bucharest, Romania

Professor, Ph.D. in Engineering **Petre-Iuliu DRAGOMIR**, Technical University of Construction Bucharest, Romania

Professor, Ph.D. in Engineering **Cornel PĂUNESCU**, University of Bucharest, Romania

Professor, Ph.D. in Engineering **Raluca MANEA**, University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania

Professor, Ph.D. in Engineering **Alexandru BADEA**, University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania

Professor Emeritus Ph.D. **Gheorghe NISTOR**, „Gh. Asachi” Technical University, Iasi, Romania

Professor, Ph.D. in Engineering **Ersilia Valeria ONIGA**, „Gh. Asachi” Technical University, Iasi, Romania

Professor, Ph.D. in Engineering **Andrian ȘERBĂNOIU**, „Gh. Asachi” Technical University, Iasi, Romania

Associate professor, Ph.D. in Engineering **Alina Mihaela NICUȚĂ PRECUL**, „Gh. Asachi” Technical University, Iasi, Romania

Professor, Ph.D. in Engineering **Ioan Vasile ABRUDAN**, Transilvania University of Brasov, Romania

Professor, Ph.D. in Engineering **Alexandru Lucian CURTU**, Transilvania University of Brasov, Romania

Professor, Ph.D. in Engineering **Ioan TUNS**, Transilvania University of Brasov, Romania

Associate professor, Ph.D. in Engineering **Dorin RADU**, Transilvania University of Brasov, Romania

Associate professor, Ph.D. **Roxana MATEFI**, Transilvania University of Brasov, Romania

Professor, dr. **Cosmin Alin POPESCU**, University of Agricultural Sciences and Veterinary Medicine of Banat „King Mihai I of Romania” in Timisoara, Romania

Professor, Ph.D. in Engineering **Sorin HERBAN**, Polytechnic University of Timisoara, Romania

Associate professor, Ph.D. in Engineering **Clara-Beatrice VÎLCEANU**, Polytechnic University of Timisoara, Romania

Professor, Ph.D. in Engineering **Tudor SĂLĂGEAN**, University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania

Professor, Ph.D. Sc. **Željko BAČIĆ**, University of Zagreb, Croatia

Professor, Ph.D. **Chiara CALDERINI**, University of Genoa, Italy

Professor, Ph.D. in Engineering **Hans-Berndt NEUNER**, University of Technology Vienna, Austria

Professor Dr. habil. **Krzysztof JÓŹWIAKOWSKI**, University of Life Sciences in Lublin, Poland

Associate professor, Ph.D. in law **Igor TROFIMOV**, Academy “Stefan cel Mare” Ministry of Internal Affairs, Republic of Moldova



Faculty of Constructions,  
Geodesy and Cadastre

## THE ORGANIZING COMMITTEE

Chairman:

Associate professor, Ph.D. in Engineering **Livia NISTOR-LOPATENCO**, Technical University of Moldova, Republic of Moldova

Members:

Associate professor, Dr. habil. **Svetlana ALBU**, Technical University of Moldova, Republic of Moldova

Associate professor, Ph.D. **Anatolie TARANENCO**, Technical University of Moldova, Republic of Moldova

Associate professor, Ph.D. **Ion ALBU**, Technical University of Moldova, Republic of Moldova

University lecturer, Ph.D. student **Alexandru PANTAZ**, Technical University of Moldova, Republic of Moldova

University lecturer **Dina APOSTOL**, Technical University of Moldova, Republic of Moldova

Associate professor, Ph.D. **Viorica ŢIBICHI**, Technical University of Moldova, Republic of Moldova

Associate professor, Ph.D. **Ion CREŢU**, Technical University of Moldova, Republic of Moldova

Associate professor, Ph.D. **Svetlana HARITONOV**, Technical University of Moldova, Republic of Moldova

Associate professor, Ph.D. **Efim ZUBCO**, Technical University of Moldova, Republic of Moldova

University lecturer, Ph.D. **Maria OVDII**, Technical University of Moldova, Republic of Moldova

University lecturer, Ph.D. **Maria-Liliana MARIAN**, Technical University of Moldova, Republic of Moldova

University assistant, **Iurie IVANOV**, Technical University of Moldova, Republic of Moldova

University assistant, **Liliana JITARI**, Technical University of Moldova, Republic of Moldova

Associate professor, Ph.D. **Ana VLASENCO**, Technical University of Moldova, Republic of Moldova

Associate professor, Ph.D. **Viorica URSU**, Technical University of Moldova, Republic of Moldova

Associate professor, Ph.D. **Efim OLARU**, Technical University of Moldova, Republic of Moldova



Faculty of Constructions,  
Geodesy and Cadastre

## SYMPOSIUM PROGRAM – DETAILED

November 21<sup>st</sup>, 2024

Venue: at Faculty of Constructions, Geodesy and Cadastre - FCGC

Address: MD-2060, Chisinau, 41 Dacia Blvd., block of study no. 10

Time	Event and Chairman/Keynote Speaker (KS)	Place
9.00-10.00	Participants registration	the 3rd floor
10.00-11.00	Opening Ceremony and Welcome Speeches <i>Chairman – Livia NISTOR-LOPATENCO, Dean of the FCGC – TUM and Alexandru PANTAZ, Vice dean of FCGC</i> <b>Keynote Speakers:</b> <ul style="list-style-type: none"><li>✓ <b>Viorel BOSTAN</b>, TUM Rector, Republic of Moldova</li><li>✓ <b>Livia NISTOR-LOPATENCO</b>, Dean of the FCGC, TUM, Republic of Moldova</li><li>✓ <b>Petre Iuliu DRAGOMIR</b>, Professor, FG, UTCB, Romania</li><li>✓ <b>Valentina MANEA</b>, Dean of FCCIA, UTCB, Romania</li><li>✓ <b>Ivan DANIL</b>, General Director AGCC, Republic of Moldova</li><li>✓ <b>Veaceslav ȘIPITCA</b>, State Secretary, MIRD, Republic of Moldova</li><li>✓ <b>Dietrich SCHRÖDER</b>, Professor, FGCSM, UASS, Germany</li><li>✓ <b>Ioana Delia POP</b>, USAMV, Cluj-Napoca, Vice Rector, Romania</li><li>✓ <b>Tudor SĂLĂGEAN</b>, Dean of FSC, USAMV, Cluj-Napoca, Romania</li><li>✓ <b>Sorin HERBAN</b>, Vice dean of FC, UPT, Romania</li><li>✓ <b>Carmen MAFTEI</b>, Vice dean of FC, UTB, Romania</li><li>✓ <b>Loredana Mariana CRENGANIȘ</b>, UTIASI, Romania</li><li>✓ <b>Mircea AFRASINEI</b>, President of UGR, Romania</li><li>✓ <b>Adrian IEPURE</b>, President UGM, Moldova</li><li>✓ <b>Cătălin ERHAN</b>, Head of Department Research and Development, CNC (ANCP), Romania</li><li>✓ <b>Alexandru SUSARENCO</b>, IGSU, Republic of Moldova</li></ul>	10-309
11.00-11.45	Group Photo and Coffee Social	Cafeteria 10-102

## PARALLEL SESSIONS

Thursday – November 21<sup>st</sup>, 2024

11:45- 13.00, 10-302

### Parallel session 1- Civil and Environmental Engineering

Chairman: Elena SIDORENCO and Anatolie TARANENCO

*\*Each presentation will last a maximum of 20 minutes, followed by 2-3 minutes for questions and answers.*

- |             |   |        |
|-------------|---|--------|
| 11.45-13.00 | <p><b>Chairman: Elena SIDORENCO and Anatolie TARANENCO</b></p> <ul style="list-style-type: none"> <li>✓ <b>Ion Mierlus MAZILU, Valentina Iuliana MANEA, Raluca Ioana GRASU:</b> Bridging knowledge and practice: service-learning as a teaching method for sustainable energy in environmental engineering</li> <li>✓ <b>Viorica ȚIBICHI, Anatolie TARANENCO:</b> Adaptive discretization of complex planar crack shapes for numerical analysis</li> <li>✓ <b>Alina BĂRBULESCU, Liu ZHEN, Cristian Ștefan DUMITRIU:</b> LSTM, ELM and BPNN methods for forecasting the water flow. A case study from Romania</li> </ul> | 10-302 |
|-------------|---|--------|

13.00-14.00

LUNCH

Cafeteria 10-102

Thursday – November 21<sup>st</sup>, 2024

14.00-15.30, 10-302

### Parallel session 2 - Civil and Environmental Engineering

Chairman: Viorica ȚIBICHI and Ion CREȚU

*\*Each presentation will last a maximum of 20 minutes, followed by 2-3 minutes for questions and answers.*

- |             |  |        |
|-------------|--|--------|
| 14.00-15.30 | <p><b>Chairman: Viorica ȚIBICHI and Ion CREȚU</b></p> <ul style="list-style-type: none"> <li>✓ <b>Gabriel DOBRICA, Carmen MAFTEI, Nicusor BUZGARU, Radu MUNTEAN:</b> Evaluation of drought indicators on Nuntasi-Tuzla Lake Basin</li> <li>✓ <b>Denis GOBELEZ, Elena SIDORENCO:</b> The carbonation process in reinforced concrete structures</li> <li>✓ <b>Ion BANTAȘ, Svetlana HARITONOV:</b> Investigation of fire cases on the territory of the Republic of Moldova</li> <li>✓ <b>Vasile GAȘPAR, Efim OLARU:</b> Disaster prevention, response, relief and recovery</li> </ul> | 10-302 |
|-------------|--|--------|

15.30-16.00

Coffee Break

Cafeteria 10-102

Thursday – November 21<sup>st</sup>, 2024

16.00-17.30, 10-302

### Parallel session 3- Civil and Environmental Engineering

Chairman: Svetlana HARITONOV and Efim OLARU

*\*Each presentation will last a maximum of 20 minutes, followed by 2-3 minutes for questions and answers.*

- |               |   |        |
|---------------|---|--------|
| 16.00 – 17.30 | <p><b>Chairman: Svetlana HARITONOV and Efim OLARU</b></p> <ul style="list-style-type: none"> <li>✓ <b>Alexandru SUSARENCO, Efim OLARU:</b> Management of prevention and response actions in case of fire</li> </ul> | 10-302 |
|---------------|---|--------|



- ✓ **Ivan BRADU, Efim OLARU:** Management of emergency situations in shopping centers
- ✓ **Daniela STURZA, Efim OLARU, Svetlana HARITONOV:** Emergency management at a type institution kindergarten-nursery

**17.30-18.00 Walking organized at Restaurant Vila IRIS**

**18.00 -23.00 Social Event/Official dinner**

**Restaurant**

**PARALLEL SESSIONS**

**Thursday – November 21<sup>st</sup>, 2024**

**11:45- 13.00, 10-417**

**Parallel session 1 - Real Estate Assessment**

*Chairman: Svetlana ALBU and Grigore VASCAN*

*\*Each presentation will last a maximum of 20 minutes, followed by 2-3 minutes for questions and answers.*

**11.45-13.00**

**Chairman: Svetlana ALBU and Grigore VASCAN**

**10-417**

- ✓ **Nadejda JOSANU:** Recent changes in the legislation on evaluation activity in the Republic of Moldova
- ✓ **Svetlana ALBU:** The issue of price formation for evaluation services in the Republic of Moldova
- ✓ **Veaceslav REVEȚCHI:** The importance of professional societies in evaluation activity

**13.00-14.00**

**LUNCH**

**Cafeteria 10-102**

**Thursday – November 21<sup>st</sup>, 2024**

**14.00-15.30, 10-417**

**Parallel session 2- Real Estate Assessment**

*Chairman: Ion ALBU and Liliana JITARI*

*\*Each presentation will last a maximum of 20 minutes, followed by 2-3 minutes for questions and answers.*

**14.00-15.30**

**Chairman: Ion ALBU and Liliana JITARI**

**10-417**

- ✓ **Alexandru PALADI:** Mass Appraisal of Real Estate: A Key Factor for Efficient Governance and Sustainable Development in the Republic of Moldova
- ✓ **Olga BUZU:** New trends in regulating appraisal activities in the Republic of Moldova: their impact and consequences
- ✓ **Ion ALBU, Svetlana ALBU:** Influence of macroeconomic factors on the value of residential real estate in the Republic of Moldova
- ✓ **Nadejda JOSANU:** Methodological issues in developing mass appraisal models in the context of a weak property market

**15.30-16.00**

**Coffee Break**

**Cafeteria 10-102**



**Thursday – November 21<sup>st</sup>, 2024**

**16.00-17.30, 10-417**

**Parallel session 3- Real Estate Assessment**

*Chairman: Maria-Liliana MARIAN and Doina-Cezara ALBU*

*\*Each presentation will last a maximum of 20 minutes, followed by 2-3 minutes for questions and answers.*

16.00 – 17.30 **Chairman: Maria-Liliana MARIAN and Doina-Cezara ALBU** 10-417

- ✓ **Nicoleta POPA:** Optimizing real estate valuation through spatial data.
- ✓ **Liliana JITARI:** Research of international practices in determining long-term value or prudent value of real estate
- ✓ **Iuliana DOVGANICI, Olga BUZU:** Methodological and practical aspects of determining functional depreciation of buildings applying the cost method
- ✓ **Grigore VASCAN:** Conceptual and competitive approaches to construction labor wages

**17.30 - 18.00 Walking organized at Restaurant Vila IRIS**

**18.00 - 23.00 Social Event/Official dinner**

**Restaurant**

**PARALLEL SESSIONS**

**Thursday – November 21<sup>st</sup>, 2024**

**11:45- 13.00, 10-309**

**Parallel session 1- Geodesy, Cadastre, Topography, Cartography, Remote sensing, Photogrammetry, GIS**

*Chairman: Maria OVDII and Dumitru BOTNARU*

*\*Each presentation will last a maximum of 15 minutes, followed by 2-3 minutes for questions and answers.*

11.45-13.00 **Chairman: Maria OVDII and Dumitru BOTNARU** 10-309

- ✓ **Darko STIJEPOVIC, Goran ŠKATARIĆ, Radovan PEJANOVIĆ:** Sustainable rural development and environmental conservation in the Durmitor region: A Case study of Žabljak, Montenegro
- ✓ **Maria OVDII, Livia NISTOR-LOPATENCO, Ana VLASENCO, Efim ZUBCO:** The Struve geodetic arc – World Heritage Monument
- ✓ **Valeriu SEINIC, Adrian IEPURE:** Use of aerial laser scan data in the development of the topographic plan
- ✓ **Loredana Mariana CREGANIȘ, Dan PĂDURE, Anca-Alina LAZAR, Maximilian DIAC:** Analysis of the Implementation of the National Cadastre and Land Registration Program in the North-East Development Region
- ✓ **Maximilian DIAC, Loredana Mariana CREGANIȘ, Anca-Alina LAZAR, Dan PĂDURE:** GNSS RTK and RTX multi-



constellation determinations in critical obstruction scenarios

- ✓ **Dumitru BOTNARU, George Cătălin VLAD, Livia NISTOR-LOPATENCO:** Delimitation of public property and efficient use of the state public property

13.00-14.00

LUNCH

Cafeteria 10-102

### Thursday – November 21<sup>st</sup>, 2024

14.00-15.30, 10-309

Parallel session 2 - Geodesy, Cadastre, Topography, Cartography, Remote sensing, Photogrammetry, GIS

Chairman: **Rodica ȘÎRBU and Eugeniu TIGANU**

*\*Each presentation will last a maximum of 15 minutes, followed by 2-3 minutes for questions and answers.*

14.00-15.30

Chairman: **Rodica ȘÎRBU and Eugeniu TIGANU**

10-309

- ✓ **Dietrich SCHRÖDER, Biplov PARAJULI, Saad KHAN:** GIS-based Gully Erosion Monitoring and Simulation
- ✓ **Ana-Maria LOGHIN, Valeria-Ersilia ONIGA, Constantin CHIRILĂ, Anca-Alina LAZAR, Mihaela MACOVEI:** Qualitative and Quantitative Analysis of Pléiades and World-View 3 high resolution DEMs
- ✓ **Rodica ȘÎRBU, Vadim CUIBĂ, Iulia CORMAN:** The importance of national spatial data infrastructures in the context of the geographic information globalization
- ✓ **Livia NISTOR-LOPATENCO, Ana VLASENCO, Ioana CHIRIAC:** Perspectives and future trends for school cartography in Republic of Moldova
- ✓ **Vitalie DILAN, Livia NISTOR-LOPATENCO:** The automated information system "State Register of Protected Areas": conceptualization and design

15.30-16.00

Coffee Break

Cafeteria 10-102

### Thursday – November 21<sup>st</sup>, 2024

16.00-17.30, 10-309

Parallel session 3- Geodesy, Cadastre, Topography, Cartography, Remote sensing, Photogrammetry, GIS

Chairman: **Ana VLASENCO and Efim ZUBCO**

*\*Each presentation will last a maximum of 15 minutes, followed by 2-3 minutes for questions and answers.*

16.00 – 17.30

Chairman: **Ana VLASENCO and Efim ZUBCO**

10-309

- ✓ **Doina VASILCA:** Steps for identifying the projection of an old map
- ✓ **Tiberiu RUS, Valentin DANCIU, Andrei ILIE. Marin PLOPEANU, Catalina CRISTEA:** Geodetic solutions for monitoring the constructions behavior (dams)
- ✓ **Cornelia ȘOIMU, Efim ZUBCO:** Methodological particularities when delimiting real estate in the Republic of Moldova

- ✓ **Lucia CĂPĂȚINĂ, Vitalie DILAN:** Prut basin protected areas geodatabase, a tool for their tourism promotion
- ✓ **Alexandra HROLOVICI, Daniil DRUGUȘ, Ana VLASENCO:** The Bonne pseudo-conic projection for the territory of the Republic of Moldova

**17.30-18.00 Walking organized at Restaurant Vila IRIS**

**18.00 -23.00 Social Event/Official dinner**

**Restaurant**

**Thursday – November 21<sup>st</sup>, 2024**

**11:45- 13.00, 10-414**

**Parallel session 1- Law (Patrimonial Law)**

*Chairman: Viorica URSU and Iurie IVANOV*

*\*Each presentation will last a maximum of 15 minutes, followed by 2-3 minutes for questions and answers.*

**11.45-13.00 Chairman: Viorica URSU and Iurie IVANOV 10-414**

- ✓ **Tatiana STAHI:** Real estate and surface access - antagonistic notions: theoretical and practical aspects
- ✓ **Lidia PUZUR, Zinaida LUPASCU:** Civil and criminal liability for violations of cadastral legislation: an interdisciplinary approach
- ✓ **Maria BURCĂ, Zinaida LUPASCU:** Provisional listings in the immovable property register and their effects in the context of patrimonial law
- ✓ **Corneliu Lucian ANDRIOAIEI:** The correlation between European funds and public procurement. Specific financial corrections.

**13.00-14.00**

**LUNCH**

**Cafeteria 10-102**

**Thursday – November 21<sup>st</sup>, 2024**

**14.00-15.30, 10-414**

**Parallel session 2- Law (Patrimonial Law)**

*Chairman: Ina BOSTAN and Angela TALAMBUTA*

*\*Each presentation will last a maximum of 15 minutes, followed by 2-3 minutes for questions and answers*

**14.00-15.30 Chairman: Ina BOSTAN and Angela TALAMBUTA 10-414**

- ✓ **Dumitrița LEAHOVICI, Zinaida LUPASCU:** The impact of digitization and automation of cadastral processes on the efficiency of real estate registration
- ✓ **Iurie IVANOV, Viorica URSU, Diana MOROȘAN:** Comparative aspects of criminal liability in the Republic of Moldova, Ukraine, France and Germany in the field of Cultural Heritage
- ✓ **Svetlana COȚAGA, Zinaida LUPASCU:** Legal and administrative acts as the basis for the registration of immovable property



Faculty of Constructions,  
Geodesy and Cadastre

- ✓ **Tatiana STAHI:** Legal liability in case of work accidents
- ✓ **Angela TĂLĂMBUȚĂ:** Impediment justifying non-execution of contractual obligations

15.30-16.00

Coffee Break

Cafeteria 10-102

**Thursday – November 21<sup>st</sup>, 2024**

**16.00-17.30, 10-414**

**Parallel session 3 - Law (Patrimonial Law)**

*Chairman: Tatiana STAHI and Viorica URSU*

*\*Each presentation will last a maximum of 15 minutes, followed by 2-3 minutes for questions and answers.*

16.00 – 17.30 **Chairman: Tatiana STAHI and Viorica URSU** 10-414

- ✓ **Virginia ZAHARIA, Angela CUCIURCĂ:** Analysis of the effect of the judgments of the European Court of Human Rights on national systems
- ✓ **Zinaida LUPASCU:** Descriptive factors with reference to succession through the lens of national and international legislation. Comparative study
- ✓ **Cristina BOBOC:** Human trafficking and human exploitation - form of organized crime in the European Union
- ✓ **Diana MOROȘAN, Adelina CATRUC:** Characteristics of crimes committed by minors
- ✓ **Adelina CATRUC, Mihaela VERDEȘ:** History of juvenile delinquency

17.30-18.00 **Walking organized at Restaurant Vila IRIS**

18.00 -23.00 **Social Event/Official dinner**

**Restaurant**

**November 22<sup>nd</sup>, 2024**

**Venue: at Faculty of Constructions, Geodesy and Cadastre - FCG**

**Address: MD-2060, Chisinau, 41 Dacia Blvd., block of study no. 10**

Time	Event and Chairman	Place
<b>PARALLEL SESSIONS</b>		
<b>Friday – November 22<sup>nd</sup>, 2024</b>		
<b>9.00-10.30, 10-302</b>		
<b>Parallel session 4- Civil and Environmental Engineering</b>		
<i>Chairman: Anatolie TARANENCO and Viorica ȚIBICHI</i>		
<i>*Each presentation will last a maximum of 20 minutes, followed by 2-3 minutes for questions and answers.</i>		
9.00-10.30	<b>Chairman: Anatolie TARANENCO and Viorica ȚIBICHI</b>	10-302

- ✓ **Anatolie TARANENCO, Viorica ȚIBICHI:** Investigation of crack geometry effects on stress intensity factors and fatigue life prediction using advanced numerical methods;
- ✓ **Ion CREȚU:** Determination of effort diagrams in beams with elastic supports using Green's functions
- ✓ **Vadim ȚURCAN:** Development of National Annexes of Republic of Moldova according to Eurocode 1

10.30 – 11.00

Coffee Break

Cafeteria 10-102

Friday – November 22<sup>nd</sup>, 2024

11.00-13.00, 10-302

Parallel session 5 - Civil and Environmental Engineering

Chairman: Ion CREȚU and Elena SIDORENCO

\*Each presentation will last a maximum of 20 minutes, followed by 2-3 minutes for questions and answers.

11.00-13.00

Chairman: Ion CREȚU and Elena SIDORENCO

10-302

- ✓ **Evgheni CUTIA:** Evaluating Seismic Risk in Chisinau's Urban Landscape
- ✓ **Viorica ȚIBICHI, Andrei BALTAGA:** Analysis of stress intensity factors in welded joints of steel lattice girders
- ✓ **Ion IVANOV, Elena SIDORENCO:** Ensuring the durability of reinforced concrete constructions;
- ✓ **Viorica ȚIBICHI, Oleg TRONCIU:** Evaluating the mechanical and thermal performance of steel-wood-steel joints under fire conditions

13.00-14.00

LUNCH

Cafeteria 10-102

Friday – November 22<sup>nd</sup>, 2024

14.00-17.00 Options:

Visiting the laboratories in the FCGC/Individual tour in Chisinau City (by trolleybus: Number 22 or Number 30, travel to the city center, visiting the Parliament Building of the Republic of Moldova, the Presidency Building of the Republic of Moldova, the Cathedral Park, the Government House) etc.

17.00-18.00

With transport organized at Milestii Mici winery from FCGC

Milestii Mici winery

18.00-22.00

Trip in Milestii Mici Winery and Social Event

22.00-23.00

With transport organized at hotels

PARALLEL SESSIONS

Friday – November 22<sup>nd</sup>, 2024

9.00-10.30, 10-417

#### Parallel session 4 - Real Estate Assessment

Chairman: Maria-Liliana MARIAN and Anna LEȘAN

*\*Each presentation will last a maximum of 20 minutes, followed by 2-3 minutes for questions and answers.*

9.00-10.30

Chairman: **Maria-Liliana MARIAN and Anna LEȘAN**

10-417

- ✓ **Doina-Cezara ALBU, Svetlana ALBU:** Solutions to ensure the sustainability of traditional houses in Moldova
- ✓ **Anna LEȘAN, Maria GRIȚCAN:** The importance of green certificates in the construction sector of the Republic of Moldova in the context of sustainable development: legislative framework and international challenges
- ✓ **Mariana BEJENARU:** Research on technological innovations in property management in the EU
- ✓ **Mariana BEJENARU:** Property risk management, problems and solutions identified in EU member countries.

10.30 – 11.00

Coffee Break

Cafeteria 10-102

Friday – November 22<sup>nd</sup>, 2024

11.00-13.00, 10-417

#### Parallel session 5- Real Estate Assessment

Chairman: Grigore VASCAN and Liliana JITARI

*\*Each presentation will last a maximum of 20 minutes, followed by 2-3 minutes for questions and answers.*

11.00-13.00

Chairman: **Grigore VASCAN and Liliana JITARI**

10-417

- ✓ **Anna LEȘAN, Iuliana BOSTAN:** From factories to industrial parks: development trends and integration in the context of sustainable development
- ✓ **Maria-Liliana MARIAN, Sergiu TUZLUCOV:** Recycling of construction and demolition waste – an important step towards sustainable development
- ✓ **Olga BUZU, Vasile ȘORONGA:** Economic cadastre as an integral part of the multifunctional cadastre.

13.00-14.00

LUNCH

Cafeteria 10-102

Friday – November 22<sup>nd</sup>, 2024

14.00-17.00 Options:

*Visiting the laboratories in the FCGC/Individual tour in Chisinau City (by trolleybus: Number 22 or Number 30, travel to the city center, visiting the Parliament Building of the Republic of Moldova, the Presidency Building of the Republic of Moldova, the Cathedral Park, the Government House) etc.*



Faculty of Constructions,  
Geodesy and Cadastre

17.00-18.00	With transport organized at Milestii Mici winery from FCGC	Milestii Mici winery
18.00-22.00	<b>Trip in Milestii Mici winery and Social Event</b>	
22.00-23.00	With transport organized at hotels	

## PARALLEL SESSIONS

Friday – November 22<sup>nd</sup>, 2024

9.00-10.30, 10-309

Parallel session 4 - Geodesy, Cadastre, Topography, Cartography, Remote sensing, Photogrammetry, GIS

Chairman: Vasile GRAMA and Angela MNOGOGETNĂI

*\*Each presentation will last a maximum of 15 minutes, followed by 2-3 minutes for questions and answers.*

9.00-10.30

Chairman: Vasile GRAMA and Angela MNOGOGETNĂI

- ✓ Věra VANDÍRKOVÁ, Jana SEIDLOVÁ, Karel KROFTA, Jitka KUMHÁLOVÁ: Evaluation of hop varieties using spectral and thermal characteristics derived from UAV images
- ✓ Cătălin GHECIU, Vasile GRAMA, Andrei IACOVLEV: Monitoring aquatic bodies using Google Earth GIS applications
- ✓ Beatrice VÎLCEANU, Sorin HERBAN: Practices of BIM enabled assessment of Polytechnic University Timisoara building stock for a more sustainable future using UAS and TLS technologies
- ✓ Rodica MEREACRE, Livia NISTOR-LOPATENCO: The use of orthophoto plans in cadastral work in the Republic of Moldova
- ✓ Mihai AVADANEI: Leica Reality Capture – The BLK Equipment Series
- ✓ Florentin BODA, Victor TUDORAN: The technology of current generation

10.30 – 11.00

Coffee Break

Cafeteria 10-102

Friday – November 22<sup>nd</sup>, 2024

11.00-13.00, 10-309

Parallel session 5- Geodesy, Cadastre, Topography, Cartography, Remote sensing, Photogrammetry, GIS

Chairman: Maria OVDII and Alexandru PANTAZ

*\*Each presentation will last a maximum of 15 minutes, followed by 2-3 minutes for questions and answers.*

11.00-13.00

Chairman: Maria OVDII and Alexandru PANTAZ

- ✓ Ludmila CIUGUREANU, Efim ZUBCO, Ivan BOTNARENCO: The need for the consolidation of agricultural lands
- ✓ Nichita CĂTĂRĂU, Vlada ȘLEPAC, Ana VLASENCO: Creating an Interactive GIS-Based Map for the



Faculty of Constructions,  
Geodesy and Cadastre

Technical University of Moldova Campus Using  
QGIS and Web Technologies

- ✓ **Iulian BURLAC**: The use of specialist software and geoportals in the teaching process
- ✓ **Vlada ȘLEPAC, Ana VLAȘENCO**: GIS applications for spatial data analysis: MapInfo vs QGIS
- ✓ **Diana COȘĂLIȚ**: Development of the digital national farmers registry and implementation of the pilot phase, as a component of the vision for integrated administration and control system

13.00-14.00

LUNCH

Cafeteria 10-102

Friday – November 22<sup>nd</sup>, 2024

14.00-17.00 Options:

*Visiting the laboratories in the FCGC/Individual tour in Chisinau City (by trolleybus: Number 22 or Number 30, travel to the city center, visiting the Parliament Building of the Republic of Moldova, the Presidency Building of the Republic of Moldova, the Cathedral Park, the Government House) etc.*

17.00-18.00

With transport organized at Milestii Mici winery from FCGC

Milestii Mici winery

18.00-22.00

**Trip in Milestii Mici winery and Social Event**

22.00-23.00

With transport organized at hotels

## PARALLEL SESSIONS

Friday – November 22<sup>nd</sup>, 2024

9.00-10.30, 10-415

**Parallel session 4- Law (Patrimonial Law)**

*Chairman: Viorica URȘU and Iurie IVANOV*

*\*Each presentation will last a maximum of 15 minutes, followed by 2-3 minutes for questions and answers.*

9.00-10.30

**Chairman: Viorica URȘU and Iurie IVANOV**

10-415

- ✓ **Liliana LEVIȚCHI, Zinaida LUPASCU** The court decision-final act of the judgment
- ✓ **Ionela HARABAGIU, Zinaida LUPASCU** Development of the legal framework of leasing
- ✓ **Oleg TĂNASE** The principle of proportionality in the administrative procedure
- ✓ **Ina BOSTAN** Limited liability company with sole partner - in the context of the new changes

10.30 – 11.00

Coffee Break

Cafeteria 10-102

Friday – November 22<sup>nd</sup>, 2024

11.00-13.00, 10-415

**Parallel session 5 - Law (Patrimonial Law)**

*Chairman: Tatiana STAHI and Angela TALAMBUȚĂ*

*\*Each presentation will last a maximum of 20 minutes, followed by 2-3 minutes for questions and answers.*





11.00-13.00

**Chairman: Tatiana STAHI and Angela TALAMBUȚĂ**

10-415

- ✓ **Zinaida LUPASCU:** Validity requirements and the normative impact of the marriage contract. detailed legal analysis **Diana MOROȘAN** Defining juvenile delinquency and the importance of studying the phenomenon in the context of modern society
- ✓ **Maria POZDIRCA** Strategies and practices to combat domestic violence at the national level
- ✓ **Alexandrina STRATAN** Organized crime and measures to combat it in the Republic of Moldova.
- ✓ **Cristina BOBOC, Mihaela VERDEȘ** Computer crime committed by criminal group or criminal organization

13.00-14.00

LUNCH

Cafeteria 10-102

Friday – November 22<sup>nd</sup>, 2024

14.00-17.00 Options:

*Visiting the laboratories in the FCGC/Individual tour in Chisinau City (by trolleybus: Number 22 or Number 30, travel to the city center, visiting the Parliament Building of the Republic of Moldova, the Presidency Building of the Republic of Moldova, the Cathedral Park, the Government House)*

17.00-18.00 With transport organized at Milestii Mici winery from Milestii Mici winery

18.00-22.00 **Trip in Milestii Mici winery and Social Event**

22.00-23.00 With transport organized at hotels

November 23<sup>rd</sup>, 2024

Venue: at Faculty of Constructions, Geodesy and Cadastre - FCGC

Address: MD-2060, Chisinau, 41 Dacia Blvd., block of study no. 10

Time	Event and Chairman	Place
10.00-12.00	<b>Chairman: NISTOR-LOPATENCO Livia</b> <b>ROUND TABLE -CURRENT CHALLENGES:</b> <ul style="list-style-type: none"><li>✓ Participants from the academic environment each section of the symposium</li><li>✓ Participants from the socio-economic environment from each section of the symposium</li></ul>	10-309
<b>CONCLUSIONS</b>		
12.00 -13.00	Coffee Break	Cafeteria 10-102

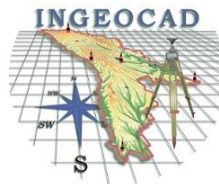


Faculty of Constructions,  
Geodesy and Cadastre

## SPONSORS:



S.C. GEOGRIM SRL



Întreprinderea Individuală  
PLĂMĂDEALĂ VISARION



**MILEȘTII MICI**  
COMBINATUL DE VINURI DE CALITATE

