

Latvia University of Life Sciences and Technologies
University of Warmia and Mazury in Olsztyn (Poland)
Vytautas Magnus University (Lithuania)



International Scientific Methodical Conference

BALTIC SURVEYING'21

PROGRAM

Online edition of international scientific journal BALTIC SURVEYING (ISSN 2255-999X) can be found on the Internet website www.balticsurveying.eu

May 6th, 2021

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- Vasileva Dariya** Candidate of economic sciences, assist. professor, Samara State Technical University, Russia
- Zrobek Sabina** Dr.hab., professor, University of Warmia and Mazury in Olsztyn, Poland

Conference languages: English and Russian

Schedule

May 6	10.00 – 11.45	Plenary session
	12.00 – 16.00	Oral presentations
	16.00 – 18.00	Questions, discussions, closing ceremony

Time limit:

- up to 20 minutes for presentations in the plenary session
- up to 15 minutes for oral presentations
- up to 5 minutes for discussions

Plenary Session Actual issues in COVID-19 Pandemic conditions

Moderator: researcher **Aivars Ratkevics (Latvia)**

Formal opening:

Armands Celms, professor, Dean of Faculty of Environmental and Civil Engineering
Latvia University of Life Sciences and Technologies

Presentations:**1. Land Use: Problems and Opportunities in Latvia**

Irina Pilvere, professor, Rector
Aleksejs Nipers, Leading researcher
Latvia University of Life Sciences and Technologies

2. Development of Department of Land Management and Geodesy in cross point of accreditation

Vivita Puķīte, professor, Head of Department of Land Management and Geodesy
Latvia University of Life Sciences and Technologies

3. Hybridization as a Way for Safer and More Effective Work of Property Valuers During the Covid-19 Pandemic and Beyond

Malgorzata Renigier-Bilozor, dr.hab.eng., professor, Director of Institute of Spatial Management and Geography
Sabina Zrobek, dr.hab.eng., professor, Head of Department of Spatial Analysis and Real Estate Market and Head of Postgraduate Studies in Real Estate Valuation
University of Warmia and Mazury in Olsztyn, Poland

4. Challenges of the pandemic period work at Vytautas Magnus University in Lithuania

Virginija Gurskiene, Doctor of technology sciences, associate professor
Jolanta Valciukiene, Doctor of technology sciences, associate professor, Head of Institute of Land Use Planning and Geomatics,
Vytautas Magnus University (Lithuania)

5. Monograph on Land Reform in 13 Countries – Result of International Cooperation

Alexandr Vlasov, Candidate of technical sciences
Samara regional division of Russian Academy of Science (Russia)

ORAL PRESENTATIONS

Moderator: researcher **Aivars Ratkevics (Latvia)**

1. Achieving Land Degradation Neutrality in Ukraine: Problems and Prospects

Nataliia Stoiko¹, Aleksandra Kostyshin¹, Nadiia Kryshenyk²
¹Lviv National Agrarian University (Ukraine); ²Legal and Engineering Company “Roksal” (Ukraine)

2. Analysis of tourism market in Lithuanian-Polish cross-border region

Audrius Aleknavičius, Vytautas Magnus University

3. Application of Satellite Imagery to Monitor the Abandoned Agriculture Land and Solutions for their Adaptation for the Development of Renewable Energy

Egle Tumeliene¹, Vida Maliene¹, Jūrate Sužiedelyte Visockiene²,
¹Vytautas Magnus University (Lithuania); ²Vilnius Gediminas Technical University (Lithuania)

4. **Current State and Prospects for Use of Land Resources in Republic of Belarus**
Andrey Kolmykov, Alexey Avdeev, Belarusian State Agricultural Academy
5. **Engineering Inspection Associated Artificial Intelligence for Appraisal of the Property in Niteroi, Rio de Janeiro, Brazil**
Vladimir Surgelas, Irina Arhipova, Vivita Pukite, Latvia University of Life Sciences and Technologies
6. **Evaluation of Recreational Territories a Case Study of Birzai town of the Republic of Lithuania**
Jolanta Badariene, Virginija Gurskiene, Vincas Gurskis, Vytautas Magnus University (Lithuania)
7. **Impact of Technological Changes in Land Management and Geodesy on Land Surveying Higher Education in Ukraine**
Andrii Martyn, National University of Life and Environmental Sciences of Ukraine
8. **Investigation of the Change of Wooded Areas in Forest Land in Raudone Eldership**
Ruta Puziene, Vytautas Magnus University (Lithuania)
9. **Management of Agricultural Property of the State Treasury Reserve in Poland's Changing Regulatory Environment**
Krystyna Kurowska, Hubert Kryszk, University of Warmia and Mazury in Olsztyn (Poland)
10. **Methodology for Determining Site-Specific Management Zones upon Implementation of Precision Farming in Belarus**
Tamara Myslyva, Alesia Kutsayeva, Alesia Kazheka, Belarusian State Agricultural Academy
11. **Modes and Principles of Managing Leased Agricultural Property of the State Treasury Reserve in Poland's Changing Regulatory Environment**
Cezary Kowalczyk, Renata Marks-Bielska, University of Warmia and Mazury in Olsztyn (Poland)
12. **Possibility of Geoinformation Support of Land Management Works**
Olga Pisetskaya, Belarusian State Agricultural Academy
13. **Public Real Estate Resources Management**
Ryszard Zrobek, Mai Do Tuyet, University of Warmia and Mazury in Olsztyn (Poland)
14. **Spatial Pattern of Residential Densification in Housing Submarket of a Traditional Urban Area**
Mohammed Jibrin Katun¹, Aremu Olanrewaju Sulyman², Abdullahi Alhaji Aliyu¹
¹The Federal Polytechnic Bida (Nigeria); ²Federal University of Technology, Minna (Nigeria)
15. **Stability and Application of Geodetic Network in Riga City**
Armands Celms, Vivita Puķīte, Aivars Ratkevičs, Toms Līdumnieks, Latvia University of Life Sciences and Technologies

POSTER PRESENTATIONS

1. **Application of 3D Technology for the Virtual Walks in Rzeszow and Lviv during COVID-19 Pandemic**
Monika Balawejder¹, Agnieszka Bieda², Jaroslaw Bydlosz², Artur Warchol^{1,3}, Pavlo Kolodiy⁴, Katarina Pukanska⁵
¹The Bronisław Markiewicz State University of Technology and Economics in Jarosław (Poland)
²AGH University of Science and Technology, Krakow (Poland); ³ProGea 4D, Krakow (Poland),
⁴Lviv National Agrarian University (Ukraine), ⁵Technical University of Košice (Slovakia)
2. **Application of Remote Sensing Technologies in Orchard Monitoring**
Vivita Pukite, Armands Celms, Vita Celmina, Aina Palabinska, Latvia University of Life Sciences and Technologies
3. **Changing Structure of Agricultural Land Holdings in Europe**
Marii Rasva, Evelin Jürgenson, Estonian University of Life Sciences

- 4. Development of Higher Engineering Education in Russia in the Context of Bologna Process**
Darya Vasilieva¹, Velta Parsova², Aleksandr Vlasov³
¹Samara State Technical University (Russia), ²Latvia University of Life Sciences and Technologies,
³Samara regional division of Russian Academy of Science (Russia)
- 5. Evaluation and Development Possibilities of Recreation Areas and Tourism Objects in Lithuania**
Vilma Salkauskiene¹, Edita Abalikstiene¹, Daiva Gudritiene^{1,2}, Darius Pupka¹, Aurimas Berzonskis²
¹Kaunas Forestry and Environmental Engineering University of Applied Sciences (Lithuania)
²Vytautas Magnus University (Lithuania)
- 6. Evaluation Framework for Ukrainian Cadastral System**
Andriy Popov, Kharkiv National Agrarian University named after V.V. Dokuchayev (Ukraine)
- 7. Influence of the Number of GPS Satellites on the Accuracy of Geodetic Measurements by Using RTK Method**
Edita Abalikstiene¹, Daiva Gudritiene^{1,2}, Vilma Salkauskiene¹
¹Kaunas Forestry and Environmental Engineering University of Applied Sciences (Lithuania)
²Vytautas Magnus University (Lithuania)
- 8. Land Management Issues in Central Urban Areas - Case Study**
Agnieszka Szczepanska, Katarzyna Pietrzyk, University of Warmia and Mazury in Olsztyn (Poland)
- 9. Land Use and its Influence on Ecological Stability of the Area: a Case Study in Lithuania**
Jolanta Valciukiene, Arnoldas Gasparavicius, Daiva Jukneliene, Virginija Atkoceviciene, Vytautas Magnus University (Lithuania)
- 10. Real Estate Management in COVID-19 Pandemic Conditions**
Marta Gross, University of Warmia and Mazury in Olsztyn (Poland)
- 11. Residential Real Estate Price Modelling through the Method of the Geographically Weighted Regression: Gomel City Case Study**
Natalia Zhukovskaya, Olga Popko, Belarusian State University
- 12. The Change of Landscape in Lithuania during the period of 2002-2020**
Giedre Ivaviciute^{1,2,3}, ¹Vytautas Magnus University (Lithuania); ²Kaunas Forestry and Environmental Engineering University of Applied Sciences; ³Klaipeda State University of Applied Sciences
- 13. The Role of Land Use Planning in the Sustainable Development of Territories in Latvia**
Anda Jankava, Maija Berzina, Aina Palabinska, Latvia University of Life Sciences and Technologies