

LISTA DE LUCRĂRI CONF ART 13 DIN METODOLOGIE

A)LISTA CU 10 LUCRĂRI REPREZENTATIVE- CĂRȚI ȘI ARTICOLE

1.MĂSURAREA ȘI MONITORIZAREA TOPO-GEODEZICĂ A LUCRĂRILOR EDILITARE

2.A TREIA DIMENSIUNE ÎN CADASTRU

3.MODELAREA TRIDIMENSIONALĂ ÎN INGINERIA GEODEZICĂ

4. STONE QUARRY SCANNING TECHNIQUES USING DR TOTAL STATIONS-

Buda Aurelian-Stelian, Eva Magdolna Koncsag, Norbert-Szabolcs Suba – , GIS OPEN 2010, Székesfehérvár, Ungaria, Link:

<http://w20.gisopen.hu/archiv/2010/eloadasok/pdf/buda.pdf>

5. PROBLEMS OF AS-BUILT INVENTORIES OF COMMERCIAL SERVICE

FACILITIES -*Bernarda Gębka, A. S. Buda, K. Maciuk, Problems of As-Built Inventories of Commercial Service Facilities, Journal of Applied Engineering Sciences, ISSN: 2247-3769 / e-ISSN: 2284-7197, DOI: 10.2478/jaes-2023- 0010, 2023, pp.73-82*

6. POSSIBILITIES OF REGISTERING NATURAL UNDERGROUND CAVITIES INTO THE NATIONAL INTEGRATED INFORMATION SYSTEM OF CADASTRE AND LAND REGISTRY.

A.S. Buda, Alexandra-Paula Frenț, S. Nistor, N.-Sz. Suba Journal of Applied Engineering Sciences, ISSN: 2247-3769 / e-ISSN: 2284-7197, DOI: 10.2478/jaes-2023-0007, 2023

7. INVENTARIEREA PRIN SCANARE LASER TERESTRĂ A RESURSELOR PEȘTERILOR DIN PARCUL NAȚIONAL APUSENI-

Aurelian Stelian Buda, Ștefan Suba, Andreea Florina Jocea, Sorin Nistor, Norbert Szabolcs Suba, Alin Marius Moș -, Volumul lucrărilor simpozionului cu participare internațională „GeoPreVi 2011”, pp. 441-448, ISBN 978-973-100-162-3, UTCB, București, 2011

8. GPS NETWORK NOISE ANALYSIS: A CASE STUDY OF DATA COLLECTED OVER AN 18-MONTH PERIOD-

Sorin Nistor, Aurelian Stelian Buda, JOURNAL OF SPATIAL SCIENCE , Volume 61, Issue 2, DOI: 10.1080/14498596.2016.1138900, 2016

9. GNSS ANALYSIS FOR GEODYNAMICS APPLICATION-

Journal of Geodesy, Cartography and Cadastre, No. 2, ISSN 1454-1408,2015- 8. Sorin Nistor, Aurelian Stelian Buda, Norbert-Szabolcs Suba, Gabriela Cimpan Journal of Geodesy, Cartography and Cadastre, No. 2, ISSN 1454-1408,2015

10. ANALYSIS ON USING 3D SCANNING AND BIM TO REDUCE THE PHYSICAL AND NON-PHYSICAL CONSTRUCTIONWASTE FOR SUSTAINABLE

FIREPROOFING OF STEEL TRUSSES- *Savu, C.; Pescaru, A.-H.; Zsak, I.-G.; Durgheu, A.-M.; Frenț, A.-P.; Suba, N.-S.; Buda, A.S.; Nistor, S.. Sustainability 2024, 16, 1832.*

<https://doi.org/10.3390/su16051832> Factor Impact 3.3

B) TEZA DE DOCTORAT

B1. Urmărirea excavațiilor miniere a zi prin tehnologie digitală

D) CĂRȚI ȘI CAPITOLE DIN CĂRȚI

D1. Buda Aurelian Stelian, Suba Norbert Szabolcs, Nistor Sorin, „Măsurarea și monitorizarea topo-geodezică a lucrărilor edilitare”, Editura Universității din Oradea, ISBN 978-606-101907-6, 2017

D2. Suba Norbert-Szabolcs, Nistor Sorin, **Buda Aurelian Stelian**, „Modelarea tridimensională în ingineria geodezică”, Editura Universității din Oradea, ISBN 978-606-10-2106-2, 2020

D3. Nistor Sorin, **Buda Aurelian Stelian** „Statistica robustă aplicată în analiza datelor geodezice”, , Editura Universității din Oradea, ISBN 978-606-10-1907-6, 2017,

D4. **Buda Aurelian Stelian**, Sorin Nistor, Alexandra Paula Frenț- Norbert Suba, Olivia Cheregi -”A treia dimensiune în cadastru”- ISBN 978-606-10-2338-7-2024

Capitole publicate în volume colective:

D5. Droj, Gabriela (coord.), „Biserici de lemn în bazinul Crișul Repede”, Editura Duran’s, ISBN 978-973-1903-12-5, 2010, St.Suba, **A. Buda**, Sorin Nistor, Norbert-Szabolcs Suba – “Utilizarea scanării laser în lucrări de documentare a monumentelor arhitecturale”,

E). Articole / studii publicate

E1. Articole / studii publicate în reviste din fluxul științific internațional -ISI

(1)	Nistor, S.; Suba, N.-S.; Buda, A.S. ; Maciuk, K.; El-Mowafy, A. Comprehensive Analysis on GPS Carrier Phase under Various Cutoff Elevation Angles and Its Impact on Station Coordinates’ Repeatability. <i>Remote Sens.</i> 2024 , <i>16</i> , 1691. https://doi.org/10.3390/rs16101691 Factor Impact 4.2
(2)	.Savu, C.; Pescaru, A.-H.; Zsak, I.-G.; Durgheu, A.-M.; Frenț, A.-P.; Suba, N.-S.; Buda, A.S. ; Nistor, S. Analysis on Using 3D Scanning and BIM to Reduce the Physical and Non-Physical Construction Waste for Sustainable Fireproofing of Steel Trusses. <i>Sustainability</i> 2024 , <i>16</i> , 1832. https://doi.org/10.3390/su16051832 Factor Impact 3.3

(11)	Sorin Nistor, Aurelian Stelian Buda, "Estimation of Precipitable Water Vapor in the West part of Romania Using GPS Technology: a study case" 15th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, ISBN:978-88-7587-724-8, 2015
(12)	Sorin Nistor, Aurelian Stelian Buda, "Identifying the Noise in GPS Coordinate Time Series for Geodynamics Application: a case study", 15th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, ISBN:978-88-7587-724-8, 2015

E2.Indexate în baze de date internaționale recunoscute (BDI):

1	S. Nistor, E. Nastase, N.-Sz Suba, A.S. Buda , Liliana Paina, Gabriela Cîmpan and M. Banaś. "Analysis of Annual Seasonal Signal in GNSS Time Series from GNSS Station in the Western Part of Romania". <i>Journal of Applied Engineering Sciences</i> University of Oradea, Civil Engineering and Architecture Faculty, 15, no. 2 (2025): 317-322. https://doi.org/10.2478/jaes-2025-0038
2	Magdalena Turek, Małgorzata Buśko, A. S. Buda , K. Maciuk, Problems Related to Selected Methods and Techniques of As-Built Surveys of Low- and Medium-Voltage Electricity Connectors with a Practical Discussion, <i>Journal of Applied Engineering Sciences</i> , ISSN: 2247-3769 / e-ISSN: 2284-7197, DOI:10.2478/jaes-2023-0017, 2023 , pp.131-136.
3	Bernarda Gębka, A. S. Buda , K. Maciuk, Problems of As-Built Inventories of Commercial Service Facilities, <i>Journal of Applied Engineering Sciences</i> , ISSN: 2247-3769 / e-ISSN: 2284-7197, DOI: 10.2478/jaes-2023- 0010, 2023 , pp.73-82.
4	A.S. Buda , Alexandra-Paula Frenț, S. Nistor, N.-Sz. Suba, "POSSIBILITIES OF REGISTERING NATURAL UNDERGROUND CAVITIES INTO THE NATIONAL INTEGRATED INFORMATION SYSTEM OF

(3)	Sorin Nistor, Norbert Szabolcs Suba, Aurelian Stelian Buda , "The impact of tropospheric mapping function on PPP determination for one-month period", Acta Geodynamica et Geomaterialia, Vol. 17, No. 2 (198), pp. 237-252, DOI: 10.13168/AGG.2020.0018, 2020
(4)	Sorin Nistor, Norbert Szabolcs Suba, Aurelian Stelian Buda , " Determining the precipitable water vapor using multiple satellite constellations: GPS, GALILEO and BEIDOU" 18th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, ISBN: 978-88-87729-61-0, 2019
(5)	Sorin Nistor, Suba Norbert Szabolcs, Aurelian Stelian Buda "Albedo Effect on GPS Point Determination" 17th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, ISBN:978-88-87729-49-8, 2018
(6)	Sorin Nistor, Aurelian Stelian Buda , "Umbra and Penumbra Impact on GPS Positioning", 16th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, ISBN:978-88-87729-41-2, 2017
(7)	Sorin Nistor, Aurelian Stelian Buda, "Evaluation of the ambiguity resolution and data products from different analysis centers on zenith wet delay using PPP method " , Acta Geodynamica et Geomaterialia, Vol. 14, No. 2 (186), 205–220, DOI: 10.13168/AGG.2017.0004, 2017
(8)	Sorin Nistor, Aurelian Stelian Buda, High rate 30 seconds vs clock interpolation in precise point positioning (PPP)", Geodetski vestnik / Journal of Geodetic Engineering , Vol. 60, no. 3, DOI: 10.15292/geodetski-vestnik.2016.03.483-494 2016
(9)	Sorin Nistor, Aurelian Stelian Buda, "The influence of different types of noise on the velocity uncertainties in GPS time series analysis" , Acta Geodynamica et Geomaterialia ,Vol. 13, No. 4 (184), 387–394, DOI: 10.13168/AGG.2016.0021, 2016
(10)	Sorin Nistor, Aurelian Stelian Buda, "GPS network noise analysis: a case study of data collected over an 18-month period" JOURNAL OF SPATIAL SCIENCE , Volume 61, Issue 2, DOI: 10.1080/14498596.2016.1138900, 2016

	CADASTRE AND LAND REGISTRY”, Journal of Applied Engineering Sciences, ISSN: 2247-3769 / e-ISSN: 2284-7197, DOI: 10.2478/jaes-2023-0007, 2023
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5	Sorin Nistor, Aurelian Stelian Buda , " The Influence of Zenith Tropospheric Delay on PPP-RTK" Journal of Applied Engineering Sciences ISSN 2247- 3769, 2016
6	Sorin Nistor, Aurelian Stelian Buda "Determination of Zenith Tropospheric Delay and Precipitable Water Vapor using GPS Technology" Mathematical Modelling in Civil Engineering, Vol.12-No.1:21-26, ISSN 2066-6934, 2016
7	Sorin Nistor, Aurelian Stelian Buda "Modelling the noise in GPS coordinate time series" RevCAD, Journal of Geodesy and Cadastre, ISSN 1583-2279
8	Sorin Nistor, Aurelian Stelian Buda , Norbert-Szabolcs Suba, Gabriela Cimpan "GNSS analysis for geodynamics application" Journal of Geodesy, Cartography and Cadastre, No. 2, ISSN 1454-1408,2015
9	Sorin Nistor, Aurelian Stelian Buda "Analysis of GNSS Data Using Precise Point Positioning Technique for the Determination of Permanent Station in Romania" Mathematical Modelling in Civil Engineering, volume 11, No. 3, ISSN 2066-6934, 2015
10	Sorin Nistor, Aurelian Stelian Buda "Using different mapping function in GPS processing for remote sensing the atmosphere" Journal of Applied Engineering Sciences ISSN 2247- 3769, 2015
11	Sorin Nistor, Aurelian Stelian Buda "Scheduling And Simulation Of VLBI Measurements For The Determination Of Earth Orientation Parameters" Journal of Applied Engineering Sciences ISSN 2247-3769, 2015

12	Sorin Nistor, Aurelian Stelian Buda "Ambiguity resolution in precise point positioning technique: a case study" Journal of Applied Engineering Sciences ISSN 2247-3769, 2015
13	Sorin Nistor, Aurelian Stelian Buda "Time series analysis in the presence of coloured noise" Journal of Applied Engineering Sciences ISSN 2247- 3769, 2014
14	Sorin Nistor, Aurelian Stelian Buda "Robust alternativ concerning the arithmetic mean and dispersion" Journal of Applied Engineering Sciences ISSN 2247- 3769, 2014
15	Sorin Nistor, Aurelian Stelian Buda "Velocity component analysis on a GNSS network" Revista de Cadastru REVCAD, ISSN 1583-2279, 2014
16	Sorin Nistor, Aurelian Stelian Buda , "Large Industrial Scanning" Revista de Cadastru REVCAD, ISSN 1583-2279, 2013
17	Sorin NISTOR, BUDA Aurelian Stelian , "Relative positioning versus Precise Point Positioning" Revista de Cadastru REVCAD, ISSN 1583-2279, 2012
18	Suba Ștefan, Buda Aurelian Stelian , Joccea Andreea Florina, Dumitru Paul Daniel, Suba Norbert-Szabolcs, Nistor Sorin – " Stability of data flow using 3.5G internet for GPS applications", Journal of Applied Engineering Science, vol 1 (14), issue 2/2011, pg. 51-58, ISSN 1454-4067, 2011
19	Aurelian Stelian Buda , Sorin Nistor, Norbert-Szabolcs Suba, "Flood simulation using 3D models" Journal of Applied Engineering Science, ISSN 1454-4067, 2010
20	JOCEA Andreea Florina, DUMITRU Paul Daniel, Sorin NISTOR, BUDA Aurelian Stelian , " Rompos application in gnss machine control case" Journal of Applied Engineering Science, ISSN 1454-4067, 2010

21	DROJ Gabriela , SUBA Stefan , BUDA Aurelian Stelian Modern techniques for evaluation of spatial data quality- ISSN 2068 – 5203,2009 http://revcad.uab.ro/index.php?pagina=pg&id=18&l=en
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