

**Technická univerzita v Košiciach**  
**Fakulta baníctva, ekológie, riadenia a geotechnológií**

**PREHĽAD CITAČNÝCH OHLASOV Z DATABÁZ**  
**Evidencia publikačnej činnosti - EPC TUKE**  
**Web of Science - (s vylúčením samocitácií autora a spoluautorov)**  
**Scopus - (s vylúčením duplicit s databázou WoS a samocitácií autora a spoluautorov)**

**Ing. Karol Bartoš, PhD.**

**Košice, Október 2023**

## PREHĽAD CITAČNÝCH OHLASOV AUTORA Z DATABÁZY EPC TUKE (výpis z databázy EPC TUKE vrátane ohlasov)

**Technická univerzita v Košiciach**  
**Prehľad publikačnej činnosti**  
**Autor: BARTOŠ, Karol**  
**Dátum generovania výstupu: 13.9.2023, 13:12:55**

### Záznamy v kategóriách do 31.1.2022

**Skupina A1 (do 31.1.2022) - Knižné publikácie charakteru vedeckej monografie (AAA, AAB, ABA, ABB, ABC, ABD)**

**Počet záznamov: 3**

AAA - Vedecké monografie vydané v zahraničných vydavateľstvách (3)

**Skupina A2 (do 31.1.2022) - Ostatné knižné publikácie (ACA, ACB, BAA, BAB, BCB, BCI, CAA, CAB, EAI, EAJ, FAI)**

**Počet záznamov: 1**

ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách (1)

**Skupina B (do 31.1.2022) - Publikácie v karentovaných časopisoch alebo registrované vo WoS a Scopus (ADC, ADD, BDC, BDD, CDC, CDD, ADM, ADN, BDM, BDN)**

**Počet záznamov: 17**

ADC - Vedecké práce v zahraničných karentovaných časopisoch (7)

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (6)

ADN - Vedecké práce v domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS (4)

**Skupina D (do 31.1.2022) - Ostatné publikácie (ACC, ACD, ADE, ADF, AEC, AED, AEG, AEH, AFA, AFB, AFC, AFD, AFE, AFF, AFG, AFH, AEM, AEN, BBA, BBB, BCK, BDA, BDB, BDE, BDF, BEE, BEF, BFA, BFB, CBA, CBB, CDE, CDF)**

**Počet záznamov: 35**

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch (6)

ADF - Vedecké práce v domácich nekarentovaných časopisoch (2)

AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách (2)

AEF - Vedecké práce v domácich nerecenzovaných vedeckých zborníkoch, monografiách (2)

AFC - Publikované príspevky na zahraničných vedeckých konferenciách (6)

AFD - Publikované príspevky na domácich vedeckých konferenciách (15)

AFG - Abstrakty príspevkov zo zahraničných konferencií (1)

AFH - Abstrakty príspevkov z domácich konferencií (1)

**Skupina Ostatné (do 31.1.2022) - mimo kategórií MŠVVaŠ SR (AFK, AFL, AGI, BGG, CAI, CAJ, CGC, CGD, CIA, CIB, CJA, CJB, CKA, CKB, DAI, EDJ, GAI, GHG, Gil, CEC, CED, EDI)**

**Počet záznamov: 17**

AGI - Správy o vyriešených vedeckovýskumných úlohách (12)

GAI - Výskumné štúdie a priebežné správy (5)

### Záznamy v kategóriách od 1.2.2022

**Skupina V - Vedecký výstup publikačnej činnosti (V1, V2, V3)**

**Počet záznamov: 7**

V2 - Výstup publikačnej činnosti ako časť editovanej knihy alebo zborník - Vedecký (4)

V3 - Výstup publikačnej činnosti z časopisu - Vedecký (3)

**Skupina O - Odborný výstup publikačnej činnosti (O1, O2, O3)**

**Počet záznamov: 1**

O2 - Výstup publikačnej činnosti ako časť editovanej knihy alebo zborník - Odborný (1)

**Skupina P - Pedagogický výstup publikačnej činnosti (P1, P2)**

**Počet záznamov: 1**

P1 - Výstup publikačnej činnosti ako celok - Pedagogický (1)

**Počet záznamov spolu: 82**

### AAA - Vedecké monografie vydané v zahraničných vydavateľstvách(3)

AAA001 [168305] **Survey Control Points** Compatibility and Verification/ Gabriel Weiss ... [et al.] - 1 vyd - Alphen aan Den Rijn : Springer International Publishing - 2016. - 118 p.. - ISBN 978-3-319-28456-9.

[WEISS, Gabriel - WEISS, Erik - WEISS, Roland - LABANT, Slavomír - BARTOŠ, Karol]

#### Ohlasy:

2016 [1] GAŠINEC, Juraj et al. Transformation analysis of geodetic points positional stability on the basis of robust M – estimations In: SGEM 2016 : 16th International Multidisciplinary Scientific GeoConference : Albena, 30 June-6 July, 2016 P. 673-680 ISBN: 978-619-7105-59-9 DB: WOS

### ADC - Vedecké práce v zahraničných karentovaných časopisoch(7)

ADC001 [185494] **The identification of incorrectly determined new points in established 2D Local Geodetic Network during deformation monitoring for environmental protection** / Gabriel Weiss ... [et al.] - 2018.In: Journal of Cleaner Production. Vol. 170 (2018), p. 789-796. - ISSN 0959-6526 Spôsob prístupu: [doi.org/10.1016/j.jclepro.2017.09.179](https://doi.org/10.1016/j.jclepro.2017.09.179).

[WEISS, Gabriel - BARTOŠ, Karol - LABANT, Slavomír - GAŠINEC, Juraj - WEISS, Erik - MIXTAJ, Ladislav - WEISS, Roland - ZUZIK, Jozef]

#### Ohlasy:

2018 [1] GŁOWACKI, Tadeusz Accuracy analysis of satellite measurements of the measurement geodetic control network on the southern Spitsbergen In: E3S Web of Conferences : CPYSC 2018 : 18th Conference of PhD Students and Young Scientists : Szklarska Poreba, 22-25 May 2018 Vol. 71, (2018) ISSN: 2267-1242 DB: Scopus [WOS:000461805300020]

2019 [1] QIN, F. Application of Internet of Things Technology in Multi-point Ecological Environment Monitoring System In: Ekoloji Vol. 28, no. 108 (2019), p. 813-817 ISSN: 1300-1361 DB: Scopus

2019 [1] ZHAO, L. The Impact of the Prohibition of Waste Trade on Reducing Environmental Pollution In: Ekoloji Vol. 28, no. 108 (2019), p. 979-984 ISSN: 1300-1361 DB: Scopus

2019 [1] WANG, Y. Remote Monitoring Method of Wetland Ecological Environment under Communication Network In: Ekoloji Vol. 28, no. 108 (2019), p. 2021-2026 ISSN: 1300-1361 DB: Scopus

2019 [1] FAN, C.-Y., HU, X.-M. Comment on Positive Role of Urban Energy-saving Building Development on Ecological Environment Protection In: Ekoloji Vol. 28, no. 108 (2019), p. 2063-2067 ISSN: 1300-1361 DB: Scopus

2019 [3] ZHAO, Lei The Prohibition of Waste Trade on Reducing Environmental Pollution In: Caribbean Journal of Science Vol. 52, no. 1 (2019), p. 483-486 ISSN: 0008-6452

2019 [01] ZELENÁKOVÁ, Martina, FIJKO, Rastislav, LABANT, Slavomír et al.: Flood risk modelling of the Slatvinec stream in Kruzlov village, Slovakia In: JOURNAL OF CLEANER PRODUCTION vol.212, (2019) p.109-118 ISSN:0959-6526 eISSN:1879-1786

Doi:10.1016/j.jclepro.2018.12.008

[WOS:000457952500011] [NEIMPORTOVANÉ V CREPČ]

2021 [01] Mrówczyńska, Maria, Sztubecki, Jacek The network structure evolutionary optimization to geodetic monitoring in the aspect of information entropy In: Measurement : journal of the International Measurement Confederation č. 179 (2021)[print, online] ISSN: 0263-2241 DB: Scopus

[WOS:000674546700001]

2022 [01] WEISS, Gabriel, LABANT, Slavomir, GASINEC, Juraj et al.: Establishment of local geodetic networks based on least-squares adjustments of GNSS baseline vectors In: ADVANCES IN GEODESY AND GEOINFORMATION vol.71, no.1 (2022) ISSN:2720-7242 Doi:10.24425/gac.2022.141168 [WOS:000835287100005] [NEIMPORTOVANÉ V CREPČ]

ADC002 [207427] **Modelling the Surface of Racing Vessel's Hull by Laser Scanning and Digital Photogrammetry** / Karol Bartoš ... [et al.] - 2019.In: Remote sensing. - Basel (Švajčiarsko) : Molecular Diversity Preservation International Roč. 11, č. 13 (2019), s. 1-19 [online]. - ISSN 2072-4292 (online) Spôsob prístupu: <https://www.mdpi.com/2072-4292/11/13/1526>. [BARTOŠ, Karol - PUKANSKÁ, Katarína - REPÁŇ, Peter - KSEŇAK, Ľubomír - SABOVÁ, Janka]

#### Ohlasy:

2019 [2] BLIŠŤAN, P. et al. Evaluation quality parameters of DEM generated with low-cost UAV photogrammetry and Structure-from-Motion (SfM) approach for topographic surveying of small areas In: Acta Montanistica Slovaca Roč. 24, č. 3 (2019), s. 198-212 ISSN: 1335-1788 DB: WOS [WOS:000505598600003]

2019 [02] Blišťan, Peter et al. Evaluation quality parameters of DEM generated with low-cost UAV photogrammetry and Structure-from-Motion (SfM) approach for topographic surveying of small areas In: Acta Montanistica Slovaca Roč. 24, č. 3 (2019), s. 198-212 [print, online] ISSN: 1335-1788 DB: WOS

2019 [01] STRONER, Martin, KREMEN, Tomas, BRAUN, Jaroslav et al.: Comparison of 2.5D Volume Calculation Methods and Software Solutions Using Point Clouds Scanned Before and After Mining In: ACTA MONTANISTICA SLOVACA vol.24, no.4 (2019) p.296-306 ISSN:1335-1788 [WOS:000523652300002] [NEIMPORTOVANÉ V CREPČ]

2020 [01] KOVANIC, L'udovit, BLISTAN, Peter, URBAN, Rudolf et al.: Analytical Determination of Geometric Parameters of the Rotary Kiln by Novel Approach of TLS Point Cloud Segmentation In: APPLIED SCIENCES-BASEL vol.10, no.21 (2020) eISSN:2076-3417 Doi:10.3390/app10217652 [WOS:000588989000001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] MARCIS, Marian, FRASTIA, Marek, HIDEGHETY, Andrej et al.: Videogrammetric Verification of Accuracy of Wearable Sensors Used in Kiteboarding In: SENSORS vol.21, no.24 (2021) eISSN:1424-8220 Doi:10.3390/s21248353 [WOS:000737488100001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] KOVANIC, Ludovit, BLISTAN, Peter, ROZLOZNIK, Michal et al.: UAS RTK / PPK photogrammetry as a tool for mapping the urbanized landscape, creating thematic maps, situation plans and DEM In: ACTA MONTANISTICA SLOVACA vol.26, no.4 (2021) p.649-660 ISSN:1335-1788 Doi:10.46544/AMS.v26i4.05 [WOS:000772347400005] [NEIMPORTOVANÉ V CREPČ]

2022 [01] LOVAS, Tamas, SOMOGYI, Arpad Jozsef, SIMONGATI, Gyoza: Laser Scanning Ship Hulls to Support Hydrodynamic Simulations In: PERIODICA POLYTECHNICA-CIVIL ENGINEERING vol.66, no.1 (2022) p.291-297 ISSN:0553-6626 Doi:10.3311/PPci.19353 [WOS:000729111600001] [NEIMPORTOVANÉ V CREPČ]

2022 [01] RYBAROVA, Jana, GABANIOVA, L'ubomira, BEDNAROVA, Lucia et al.: Strengthening the Mitigation of Climate Change Impacts in Slovakia through the Disaggregation of Cultural Landscapes In: PROCESSES vol.10, no.4 (2022) eISSN:2227-9717 Doi:10.3390/pr10040658 [WOS:000786070000001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] ZENG, Feier, XIAO, Changshi, WANG, Wenlong et al.: A Novel Ship-Height Measurement System Based on Optical Axes Collinear Stereo Vision In: IEEE SENSORS JOURNAL vol.23, no.6 (2023) p.6282-6291 ISSN:1530-437X eISSN:1558-1748  
Doi:10.1109/JSEN.2023.3240822  
[WOS:000966908400001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] FABRIS, Massimo, GRANOTTO, Pietro Fontana, MONEGO, Michele: Expeditious Low-Cost SfM Photogrammetry and a TLS Survey for the Structural Analysis of Illasi Castle (Italy) In: DRONES vol.7, no.2 (2023) eISSN:2504-446X Doi:10.3390/drones7020101  
[WOS:000939131000001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] HODAC, Jindrich, KOVAROVA, Katerina, CIHLA, Michal et al.: Photogrammetric Documentation of Stone Surface Topography Changes as a Tool in Conservation Praxis In: BUILDINGS vol.13, no.2 (2023) eISSN:2075-5309 Doi:10.3390/buildings13020439  
[WOS:000938850000001] [NEIMPORTOVANÉ V CREPČ]

ADC003 [216114] **TLS and SfM Approach for Bulk Density Determination of Excavated Heterogeneous Raw Materials** / Peter Blišťan ... [et al.] - 2020.In: Minerals. - Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute, 2011 Roč. 10, č. 2 (2020), s. 1-20 [online]. - ISSN 2075-163X (online) Spôsob prístupu: <https://doi.org/10.3390/min10020174>.  
[BLIŠŤAN, Peter - JACKO, Stanislav - KOVANIČ, Ľudovít ml. - KONDELA, Julián - PUKANSKÁ, Katarína - BARTOŠ, Karol]

#### Ohlasy:

2019 [01] STRONER, Martin, KREMEN, Tomas, BRAUN, Jaroslav et al.: Comparison of 2.5D Volume Calculation Methods and Software Solutions Using Point Clouds Scanned Before and After Mining In: ACTA MONTANISTICA SLOVACA vol.24, no.4 (2019) p.296-306 ISSN:1335-1788  
[WOS:000523652300002] [NEIMPORTOVANÉ V CREPČ]

2020 [1] SOFRANKO, Marian et al. Possibilities of Uranium Deposit Kuriskova Mining and Its Influence on the Energy Potential of Slovakia from Own Resources In: Energies Vol. 13, no. 16 (2020), art. no. 4209 ISSN: 1996-1073 DB: WOS  
[WOS:000567212400001]

2020 [1] CASULA, G. et al. High resolution 3-D modelling of cylinder shape bodies applied to ancient columns of a church In: Advances in Geosciences Vol. 54, no. 28 (2020), p. 119-127 ISSN: 1680-7340 DB: Scopus

2020 [1] KOCIUBA, Waldemar Different paths for developing terrestrial LiDAR data for comparative analyses of topographic surface changes In: Applied Sciences Vol. 10, no. 21 (2020), art.no. 7409 ISSN: 2076-3417 DB: WOS  
[WOS:000588932300001]

2020 [01] Šofranko, Marian et al. Possibilities of Uranium Deposit Kuriskova Mining and Its Influence on the Energy Potential of Slovakia from Own Resources In: Energies Roč. 13, č. 16 (2020), s. 1-20 [online] ISSN: 1996-1073 (online) DB: WOS

2020 [01] Kociuba, Waldemar Different Paths for Developing Terrestrial LiDAR Data for Comparative Analyses of Topographic Surface Changes In: Applied sciences Roč. 10, č. 21 (2020)[online] ISSN: 2076-3417 (online) DB: WOS

2020 [01] URBAN, Rudolf, STRONER, Martin, KURIC, Ivan: The use of onboard UAV GNSS navigation data for area and volume calculation In: ACTA MONTANISTICA SLOVACA vol.25, no.3 (2020) p.361-374 ISSN:1335-1788 Doi:10.46544/AMS.v25i3.9  
[WOS:000642072500001] [NEIMPORTOVANÉ V CREPČ]

2020 [01] KOVANIC, Ludovit, BLISTAN, Peter, URBAN, Rudolf et al.: Analysis of the

Suitability of High-Resolution DEM Obtained Using ALS and UAS (SfM) for the Identification of Changes and Monitoring the Development of Selected Geohazards in the Alpine Environment- A Case Study in High Tatras, Slovakia In: REMOTE SENSING vol.12, no.23 (2020) eISSN:2072-4292 Doi:10.3390/rs12233901 [WOS:000597518600001] [NEIMPORTOVANÉ V CREPČ]

2020 [01] KOVANIC, L'udovit, BLISTAN, Peter, URBAN, Rudolf et al.: Analytical Determination of Geometric Parameters of the Rotary Kiln by Novel Approach of TLS Point Cloud Segmentation In: APPLIED SCIENCES-BASEL vol.10, no.21 (2020) eISSN:2076-3417 Doi:10.3390/app10217652 [WOS:000588989000001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] Stroner, Martin et al. Photogrammetry Using UAV-Mounted GNSS RTK: Georeferencing Strategies without GCPs In: Remote Sensing Roč. 13, č. 7 (2021)[online] ISSN: 2072-4292 (online) DB: WOS [WOS:000638803500001]

2021 [01] KOVANIC, Ludovit, BLISTAN, Peter, STRONER, Martin et al.: Suitability of Aerial Photogrammetry for Dump Documentation and Volume Determination in Large Areas In: APPLIED SCIENCES-BASEL vol.11, no.14 (2021) eISSN:2076-3417 Doi:10.3390/app11146564 [WOS:000678144600001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] LEXA, Jaroslav, VARGA, Peter, UHLIK, Peter et al.: Perlite deposits of the Central Slovakia Volcanic Field (Western Carpathians): Geology and properties In: GEOLOGICA CARPATHICA vol.72, no.3 (2021) p.253-281 ISSN:1335-0552 eISSN:1336-8052 Doi:10.31577/GeolCarp.72.3.5 [WOS:000674271500005] [NEIMPORTOVANÉ V CREPČ]

2021 [01] AJAYI, Oluibukun Gbenga, AJULO, John: INVESTIGATING THE APPLICABILITY OF UNMANNED AERIAL VEHICLES (UAV) PHOTOGRAMMETRY FOR THE ESTIMATION OF THE VOLUME OF STOCKPILES In: QUAESTIONES GEOGRAPHICAE vol.40, no.1 (2021) p.25-38 ISSN:0137-477X eISSN:2081-6383 Doi:10.2478/quageo-2021-0002 [WOS:000657764900002] [NEIMPORTOVANÉ V CREPČ]

2021 [01] BRAUN, Jaroslav, BRAUNOVA, Hana, SUK, Tomas et al.: Structural and Geometrical Vegetation Filtering - Case Study on Mining Area Point Cloud Acquired by UAV Lidar In: ACTA MONTANISTICA SLOVACA vol.26, no.4 (2021) p.661-674 ISSN:1335-1788 Doi:10.46544/AMS.v26i4.06 [WOS:000772347400006] [NEIMPORTOVANÉ V CREPČ]

2021 [01] MARIN-BUZON, Carmen, PEREZ-ROMERO, Antonio Miguel, LEON-BONILLO, Manuel J. et al.: Photogrammetry (SfM) vs. Terrestrial Laser Scanning (TLS) for Archaeological Excavations: Mosaic of Cantillana (Spain) as a Case Study In: APPLIED SCIENCES-BASEL vol.11, no.24 (2021) eISSN:2076-3417 Doi:10.3390/app112411994 [WOS:000735852700001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] STRONER, Martin, URBAN, Rudolf, LINKOVA, Lenka: A New Method for UAV Lidar Precision Testing Used for the Evaluation of an Affordable DJI ZENMUSE L1 Scanner In: REMOTE SENSING vol.13, no.23 (2021) eISSN:2072-4292 Doi:10.3390/rs13234811 [WOS:000735119500001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] HABINSHUTI, Jean Baptiste, MUNGANYINKA, Jeanne Pauline, ADETUNJI, Adelena R. et al.: Mineralogical and physical studies of low-grade tantalum-tin ores from selected areas of Rwanda In: RESULTS IN ENGINEERING vol.11, (2021) ISSN:2590-1230 Doi:10.1016/j.rineng.2021.100248 [WOS:000697025500010] [NEIMPORTOVANÉ V CREPČ]

2022 [01] XU, Zhihua, LU, Xingzheng, XU, Ershuai et al.: A Sliding System Based on Single-Pulse Scanner and Rangefinder for Pile Inventory In: IEEE GEOSCIENCE AND REMOTE SENSING LETTERS vol.19, (2022) ISSN:1545-598X eISSN:1558-0571

Doi:10.1109/LGRS.2022.3155567

[WOS:000770620200020] [NEIMPORTOVANÉ V CREPČ]

2022 [01] ULEWICZ, Robert, KRSTIC, Bozidar, INGALDI, Manuela: Mining Industry 4.0- Opportunities and Barriers In: ACTA MONTANISTICA SLOVACA vol.27, no.2 (2022) p.291-305 ISSN:1335-1788 Doi:10.46544/AMS.v27i2.02

[WOS:000834987800002] [NEIMPORTOVANÉ V CREPČ]

2022 [01] TYSIAC, Pawel, MISKIEWICZ, Mikolaj, BRUSKI, Dawid: Bridge Non-Destructive Measurements Using a Laser Scanning during Acceptance Testing: Case Study In: MATERIALS vol.15, no.23 (2022) eISSN:1996-1944 Doi:10.3390/ma15238533

[WOS:000897255300001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] KOVANIC, Ludovit, TOPITZER, Branislav, PETOVSKY, Patrik et al.: Review of Photogrammetric and Lidar Applications of UAV In: APPLIED SCIENCES-BASEL vol.13, no.11 (2023) eISSN:2076-3417 Doi:10.3390/app13116732

[WOS:001004705900001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] SZYPULA, Bartlomiej: Accuracy of UAV-based DEMs without ground control points In: GEOINFORMATICA (2023) ISSN:1384-6175 eISSN:1573-7624 Doi:10.1007/s10707-023-00498-1

[WOS:000967742500001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] MARTINEZ-CARRICONDO, Patricio, AGUERA-VEGA, Francisco, CARVAJAL-RAMIREZ, Fernando: Accuracy assessment of RTK/PPK UAV-photogrammetry projects using differential corrections from multiple GNSS fixed base stations In: GEOARTO INTERNATIONAL vol.38, no.1 (2023) ISSN:1010-6049 eISSN:1752-0762

Doi:10.1080/10106049.2023.2197507

[WOS:000962655300001] [NEIMPORTOVANÉ V CREPČ]

ADC004 [218135] **Surveying and High-Resolution Topography of the Ochtiná Aragonite Cave Based on TLS and Digital Photogrammetry** / Katarína Pukanská ... [et al.] - 2020.In: Applied Sciences. - Basel (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 10, č. 13 (2020), s. [1-19] [online]. - ISSN 2076-3417 (online) Spôsob prístupu: <https://doi.org/10.3390/app10134633>. [PUKANSKÁ, Katarína - BARTOŠ, Karol - BELLA, Pavel - GAŠINEC, Juraj - BLIŠŤAN, Peter - KOVANIČ, Ľudovít ml.]

#### Ohlasy:

2020 [01] URBAN, Rudolf, STRONER, Martin, KURIC, Ivan: The use of onboard UAV GNSS navigation data for area and volume calculation In: ACTA MONTANISTICA SLOVACA vol.25, no.3 (2020) p.361-374 ISSN:1335-1788 Doi:10.46544/AMS.v25i3.9

[WOS:000642072500001] [NEIMPORTOVANÉ V CREPČ]

2020 [01] KOVANIC, Ludovit, BLISTAN, Peter, URBAN, Rudolf et al.: Analysis of the Suitability of High-Resolution DEM Obtained Using ALS and UAS (SfM) for the Identification of Changes and Monitoring the Development of Selected Geohazards in the Alpine Environment- A Case Study in High Tatras, Slovakia In: REMOTE SENSING vol.12, no.23 (2020)

eISSN:2072-4292 Doi:10.3390/rs12233901

[WOS:000597518600001] [NEIMPORTOVANÉ V CREPČ]

2020 [01] KOVANIC, Ľudovit, BLISTAN, Peter, URBAN, Rudolf et al.: Analytical Determination of Geometric Parameters of the Rotary Kiln by Novel Approach of TLS Point Cloud Segmentation In: APPLIED SCIENCES-BASEL vol.10, no.21 (2020) eISSN:2076-3417 Doi:10.3390/app10217652

[WOS:000588989000001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] KOVANIC, Ludovit, BLISTAN, Peter, STRONER, Martin et al.: Suitability of Aerial Photogrammetry for Dump Documentation and Volume Determination in Large Areas In:

APPLIED SCIENCES-BASEL vol.11, no.14 (2021) eISSN:2076-3417

Doi:10.3390/app11146564

[WOS:000678144600001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] BRAUN, Jaroslav, BRAUNOVA, Hana, SUK, Tomas et al.: Structural and Geometrical Vegetation Filtering - Case Study on Mining Area Point Cloud Acquired by UAV Lidar In: ACTA MONTANISTICA SLOVACA vol.26, no.4 (2021) p.661-674 ISSN:1335-1788 Doi:10.46544/AMS.v26i4.06

[WOS:000772347400006] [NEIMPORTOVANÉ V CREPČ]

2021 [01] KOVANIC, Ludovit, BLISTAN, Peter, ROZLOZNIK, Michal et al.: UAS RTK / PPK photogrammetry as a tool for mapping the urbanized landscape, creating thematic maps, situation plans and DEM In: ACTA MONTANISTICA SLOVACA vol.26, no.4 (2021) p.649-660 ISSN:1335-1788 Doi:10.46544/AMS.v26i4.05

[WOS:000772347400005] [NEIMPORTOVANÉ V CREPČ]

2021 [01] STRONER, Martin, URBAN, Rudolf, LINKOVA, Lenka: A New Method for UAV Lidar Precision Testing Used for the Evaluation of an Affordable DJI ZENMUSE L1 Scanner In: REMOTE SENSING vol.13, no.23 (2021) eISSN:2072-4292 Doi:10.3390/rs13234811

[WOS:000735119500001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] KOVANIC, Ludovit, AMBRISKO, Lubomir, MARASOVA, Daniela et al.: Long-Exposure RGB Photography with a Fixed Stand for the Measurement of a Trajectory of a Dynamic Impact Device in Real Scale In: SENSORS vol.21, no.20 (2021) eISSN:1424-8220 Doi:10.3390/s21206818

[WOS:000715433600001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] GIORDAN, Daniele, GODONE, Danilo, BALDO, Marco et al.: Survey Solutions for 3D Acquisition and Representation of Artificial and Natural Caves In: APPLIED SCIENCES-BASEL vol.11, no.14 (2021) eISSN:2076-3417 Doi:10.3390/app11146482

[WOS:000686187000001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] STRONER, Martin, URBAN, Rudolf, LIDMILA, Martin et al.: Vegetation Filtering of a Steep Rugged Terrain: The Performance of Standard Algorithms and a Newly Proposed Workflow on an Example of a Railway Ledge In: REMOTE SENSING vol.13, no.15 (2021) eISSN:2072-4292 Doi:10.3390/rs13153050

[WOS:000682158900001] [NEIMPORTOVANÉ V CREPČ]

2022 [01] BELLA, Pavel, BOSAK, Pavel, PRUNER, Petr et al.: Speleogenesis in a lens of metamorphosed limestone and ankerite: Ochtina Aragonite Cave, Slovakia In: INTERNATIONAL JOURNAL OF SPELEOLOGY vol.51, no.1 (2022) p.13-28 ISSN:0392-6672 eISSN:1827-806X Doi:10.5038/1827-806X.51.1.2397

[WOS:000734086600001] [NEIMPORTOVANÉ V CREPČ]

2022 [01] GOELLES, Thomas, HAMMER, Tobias, MUCKENHUBER, Stefan, SCHLAGER, Birgit et al.: MOLISENS: MOBILE LIDAR SENSOR SYSTEM TO EXPLOIT THE POTENTIAL OF SMALL INDUSTRIAL LIDAR DEVICES FOR GEOSCIENTIFIC APPLICATIONS In: GEOSCIENTIFIC INSTRUMENTATION METHODS AND DATA SYSTEMS vol.11, no.2 (2022) p.247-261 ISSN:2193-0856 eISSN:2193-0864 Doi:10.5194/gi-11-247-2022

[WOS:000834932100001] [NEIMPORTOVANÉ V CREPČ]

2022 [01] STRONER, Martin, URBAN, Rudolf, SUK, Tomas et al.: Using color-only vegetation indexes to remove vegetation from otherwise mostly mono-material point clouds In: ACTA MONTANISTICA SLOVACA vol.27, no.4 (2022) p.1089-1101 ISSN:1335-1788 Doi:10.46544/AMS.v27i4.20

[WOS:000973834900014] [NEIMPORTOVANÉ V CREPČ]

2023 [01] LIU, Han, JISEN, Shu, TOVELE, Gerson S. V. et al.: Application of photogrammetry and in-situ test technology in the stability evaluation of gangue dump slope In: BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT vol.82, no.1 (2023) ISSN:1435-9529 eISSN:1435-9537 Doi:10.1007/s10064-022-02994-4



[WOS:000895290700001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] MANTAS, Torcuato Pulido, ROVETA, Camilla, CALCINAI, Barbara et al.: Photogrammetry, from the Land to the Sea and Beyond: A Unifying Approach to Study Terrestrial and Marine Environments In: JOURNAL OF MARINE SCIENCE AND ENGINEERING vol.11, no.4 (2023) eISSN:2077-1312 Doi:10.3390/jmse11040759 [WOS:000979085300001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] KOVANIC, Ludovit, TOPITZER, Branislav, PETOVSKY, Patrik et al.: Review of Photogrammetric and Lidar Applications of UAV In: APPLIED SCIENCES-BASEL vol.13, no.11 (2023) eISSN:2076-3417 Doi:10.3390/app13116732 [WOS:001004705900001] [NEIMPORTOVANÉ V CREPČ]

ADC005 [223854] **Analytical Determination of Geometric Parameters of the Rotary Kiln by Novel Approach of TLS Point Cloud Segmentation** / Ľudovít Kovanič ... [et al.] - 2020.In: Applied sciences. - Basel (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 10, č. 21 (2020), s. 1-27 [online]. - ISSN 2076-3417 (online) Spôsob prístupu: <https://doi.org/10.3390/app10217652>. [KOVANIČ, Ľudovít ml. - BLIŠŤAN, Peter - URBAN, Rudolf - ŠTRONER, Martin - PUKANSKÁ, Katarína - BARTOŠ, Karol - PALKOVÁ, Jana]

#### Ohlasy:

2020 [1] ERDELYI, Ján - KOPÁČIK, Alojz - KYRINOVIC, Peter Spatial Data Analysis for Deformation Monitoring of Bridge Structures In: Applied Sciences-Basel Vol. 10, no. 23 (2020), art. no. 8731 ISSN: 2076-3417 DB: WOS [WOS:000597077900001]

2021 [01] JANOWSKI, Artur, SZULWIC, Jakub, TYSIAC, Pawel: Spatial Modelling in Environmental Analysis and Civil Engineering In: APPLIED SCIENCES-BASEL vol.11, no.9 (2021) eISSN:2076-3417 Doi:10.3390/app11093945 [WOS:000649882200001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] URAZBAEV, G. M., ALTAYEVA, A. A., KOZHAYEV, Zh T. et al.: Geodetic monitoring of deformations of engineering structures In: KOMPLEKSNOE ISPOLZOVANIE MINERALNOGO SYRA no.2 (2021) p.69-77 ISSN:2224-5243 eISSN:2616-6445 Doi:10.31643/2021/6445.20 [WOS:000672767400009] [NEIMPORTOVANÉ V CREPČ]

2021 [01] KOVANIC, Ludovit, BLISTAN, Peter, STRONER, Martin et al.: Suitability of Aerial Photogrammetry for Dump Documentation and Volume Determination in Large Areas In: APPLIED SCIENCES-BASEL vol.11, no.14 (2021) eISSN:2076-3417 Doi:10.3390/app11146564 [WOS:000678144600001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] BRAUN, Jaroslav, BRAUNOVA, Hana, SUK, Tomas et al.: Structural and Geometrical Vegetation Filtering - Case Study on Mining Area Point Cloud Acquired by UAV Lidar In: ACTA MONTANISTICA SLOVACA vol.26, no.4 (2021) p.661-674 ISSN:1335-1788 Doi:10.46544/AMS.v26i4.06 [WOS:000772347400006] [NEIMPORTOVANÉ V CREPČ]

2021 [01] KOVANIC, Ludovit, BLISTAN, Peter, ROZLOZNIK, Michal et al.: UAS RTK / PPK photogrammetry as a tool for mapping the urbanized landscape, creating thematic maps, situation plans and DEM In: ACTA MONTANISTICA SLOVACA vol.26, no.4 (2021) p.649-660 ISSN:1335-1788 Doi:10.46544/AMS.v26i4.05 [WOS:000772347400005] [NEIMPORTOVANÉ V CREPČ]

2021 [01] BARICZOVA, Gabriela, ERDELYI, Jan, HONTI, Richard et al.: Wall Structure Geometry Verification Using TLS Data and BIM Model In: APPLIED SCIENCES-BASEL vol.11, no.24 (2021) eISSN:2076-3417 Doi:10.3390/app112411804 [WOS:000735302700001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] KOVANIC, Ludovit, AMBRISKO, Lubomir, MARASOVA, Daniela et al.: Long-Exposure RGB Photography with a Fixed Stand for the Measurement of a Trajectory of a Dynamic Impact Device in Real Scale In: SENSORS vol.21, no.20 (2021) eISSN:1424-8220 Doi:10.3390/s21206818

[WOS:000715433600001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] MOYANO, Juan, LEON, Javier, NIETO-JULIAN, Juan E. et al.: Semantic interpretation of architectural and archaeological geometries: Point cloud segmentation for HBIM parameterisation In: AUTOMATION IN CONSTRUCTION vol.130, (2021) ISSN:0926-5805 eISSN:1872-7891 Doi:10.1016/j.autcon.2021.103856

[WOS:000692786400008] [NEIMPORTOVANÉ V CREPČ]

2022 [01] KRYNKE, Marek, KNOP, Krzysztof, MAZUR, Magdalena: Maintenance management of large-size rolling bearings in heavy-duty machinery In: ACTA MONTANISTICA SLOVACA vol.27, no.2 (2022) p.327-341 ISSN:1335-1788 Doi:10.46544/AMS.v27i2.04

[WOS:000834987800004] [NEIMPORTOVANÉ V CREPČ]

2022 [01] MALEC, Malgorzata, STANCZAK, Lilianna: Impact of Managerial Skills on Innovative Projects' Management Processes in the Domain of Mining Machines In: ACTA MONTANISTICA SLOVACA vol.27, no.2 (2022) p.430-445 ISSN:1335-1788 Doi:10.46544/AMS.v27i2.12

[WOS:000834987800011] [NEIMPORTOVANÉ V CREPČ]

2022 [01] ERDELYI, Jan, HONTI, Richard, FUNTIK, Tomas et al.: Verification of Building Structures Using Point Clouds and Building Information Models In: BUILDINGS vol.12, no.12 (2022) eISSN:2075-5309 Doi:10.3390/buildings12122218

[WOS:000900479900001] [NEIMPORTOVANÉ V CREPČ]

2022 [01] BOLOZ, Lukasz: A dynamic model of a longwall shearer with a chain haulage system In: ACTA MONTANISTICA SLOVACA vol.27, no.3 (2022) p.589-606 ISSN:1335-1788 Doi:10.46544/AMS.v27i3.03

[WOS:000913204700003] [NEIMPORTOVANÉ V CREPČ]

2022 [01] IVANOVA, Tanyana Nikolaevna, KURIC, Ivan, KORSHUNOV, Aleksander Ivanovich et al.: Increasing the efficiency of operating time and reducing maintenance time of transport systems In: ACTA MONTANISTICA SLOVACA vol.27, no.3 (2022) p.723-736 ISSN:1335-1788 Doi:10.46544/AMS.v27i3.12

[WOS:000913204700012] [NEIMPORTOVANÉ V CREPČ]

2023 [01] KOVANIC, Ludovit, STRONER, Martin, BLISTAN, Peter et al.: Combined ground-based and UAS SfM-MVS approach for determination of geometric parameters of the large-scale industrial facility-Case study In: MEASUREMENT vol.216, (2023) ISSN:0263-2241 eISSN:1873-412X Doi:10.1016/j.measurement.2023.112994

[WOS:001004707200001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] KOVANIC, Ludovit, STRONER, Martin, URBAN, Rudolf et al.: Methodology and Results of Staged UAS Photogrammetric Rockslide Monitoring in the Alpine Terrain in High Tatras, Slovakia, after the Hydrological Event in 2022 In: LAND vol.12, no.5 (2023) eISSN:2073-445X Doi:10.3390/land12050977

[WOS:000996800400001] [NEIMPORTOVANÉ V CREPČ]

ADC006 [224556] **Analysis of the suitability of high-resolution dem obtained using ALS and UAS (SfM) for the identification of changes and monitoring the development of selected geohazards in the alpine environment—A case study in high tatras, Slovakia / Ludovit Kovanič ... et al. - 2020.**In: Remote Sensing. - Basel (Švajčiarsko) : Molecular Diversity Preservation International Roč. 12, č. 23 (2020), s. 1-25 [online]. - ISSN 2072-4292 (online) Spôsob prístupu: <https://doi.org/10.3390/rs12233901>.

[KOVANIČ, Ludovit ml. - BLIŠŤAN, Peter - URBAN, Rudolf - ŠTRONER, Martin - BLIŠŤANOVÁ,

Monika - BARTOŠ, Karol - PUKANSKÁ, Katarína]

**Ohlasy:**

2020 [01] URBAN, Rudolf, STRONER, Martin, KURIC, Ivan: The use of onboard UAV GNSS navigation data for area and volume calculation In: ACTA MONTANISTICA SLOVACA vol.25, no.3 (2020) p.361-374 ISSN:1335-1788 Doi:10.46544/AMS.v25i3.9 [WOS:000642072500001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] Wang, Xueliang, Liu, Haiyang, Sun, Juanjuan A New Approach for Identification of Potential Rockfall Source Areas Controlled by Rock Mass Strength at a Regional Scale In: Remote Sensing Roč. 13, č. 5 (2021)[online] ISSN: 2072-4292 (online) DB: WOS [WOS:000628515600001]

2021 [01] STRONER, Martin, URBAN, Rudolf, SEIDL, Jan et al.: Photogrammetry Using UAV-Mounted GNSS RTK: Georeferencing Strategies without GCPs In: REMOTE SENSING vol.13, no.7 (2021) eISSN:2072-4292 Doi:10.3390/rs13071336 [WOS:000638803500001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] AJAYI, Oluibukun Gbenga, AJULO, John: INVESTIGATING THE APPLICABILITY OF UNMANNED AERIAL VEHICLES (UAV) PHOTOGRAMMETRY FOR THE ESTIMATION OF THE VOLUME OF STOCKPILES In: QUAESTIONES GEOGRAPHICAE vol.40, no.1 (2021) p.25-38 ISSN:0137-477X eISSN:2081-6383 Doi:10.2478/quageo-2021-0002 [WOS:000657764900002] [NEIMPORTOVANÉ V CREPČ]

2021 [01] BURDZIAKOWSKI, Pawel, BOBKOWSKA, Katarzyna: UAV Photogrammetry under Poor Lighting Conditions-Accuracy Considerations In: SENSORS vol.21, no.10 (2021) eISSN:1424-8220 Doi:10.3390/s21103531 [WOS:000662543700001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] KOVANIC, Ludovit, BLISTAN, Peter, STRONER, Martin et al.: Suitability of Aerial Photogrammetry for Dump Documentation and Volume Determination in Large Areas In: APPLIED SCIENCES-BASEL vol.11, no.14 (2021) eISSN:2076-3417 Doi:10.3390/app11146564 [WOS:000678144600001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] BRAUN, Jaroslav, BRAUNOVA, Hana, SUK, Tomas et al.: Structural and Geometrical Vegetation Filtering - Case Study on Mining Area Point Cloud Acquired by UAV Lidar In: ACTA MONTANISTICA SLOVACA vol.26, no.4 (2021) p.661-674 ISSN:1335-1788 Doi:10.46544/AMS.v26i4.06 [WOS:000772347400006] [NEIMPORTOVANÉ V CREPČ]

2021 [01] MASNY, Matej, WEIS, Karol, BISKUPIC, Marek: Application of Fixed-Wing UAV-Based Photogrammetry Data for Snow Depth Mapping in Alpine Conditions In: DRONES vol.5, no.4 (2021) eISSN:2504-446X Doi:10.3390/drones5040114 [WOS:000736503600001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] STRONER, Martin, URBAN, Rudolf, LINKOVA, Lenka: A New Method for UAV Lidar Precision Testing Used for the Evaluation of an Affordable DJI ZENMUSE L1 Scanner In: REMOTE SENSING vol.13, no.23 (2021) eISSN:2072-4292 Doi:10.3390/rs13234811 [WOS:000735119500001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] KOVANIC, Ludovit, AMBRISKO, Lubomir, MARASOVA, Daniela et al.: Long-Exposure RGB Photography with a Fixed Stand for the Measurement of a Trajectory of a Dynamic Impact Device in Real Scale In: SENSORS vol.21, no.20 (2021) eISSN:1424-8220 Doi:10.3390/s21206818 [WOS:000715433600001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] MARESOVA, Jana, GDULOVA, Katerina, PRACNA, Petra et al.: Applicability of Data Acquisition Characteristics to the Identification of Local Artefacts in Global Digital

Elevation Models: Comparison of the Copernicus and TanDEM-X DEMs In: REMOTE SENSING vol.13, no.19 (2021) eISSN:2072-4292 Doi:10.3390/rs13193931 [WOS:000708171900001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] KOVANIC, Ludovit, BLISTAN, Peter, ROZLOZNIK, Michal et al.: UAS RTK / PPK photogrammetry as a tool for mapping the urbanized landscape, creating thematic maps, situation plans and DEM In: ACTA MONTANISTICA SLOVACA vol.26, no.4 (2021) p.649-660 ISSN:1335-1788 Doi:10.46544/AMS.v26i4.05 [WOS:000772347400005] [NEIMPORTOVANÉ V CREPČ]

2021 [01] STRONER, Martin, URBAN, Rudolf, LIDMILA, Martin et al.: Vegetation Filtering of a Steep Rugged Terrain: The Performance of Standard Algorithms and a Newly Proposed Workflow on an Example of a Railway Ledge In: REMOTE SENSING vol.13, no.15 (2021) eISSN:2072-4292 Doi:10.3390/rs13153050 [WOS:000682158900001] [NEIMPORTOVANÉ V CREPČ]

2022 [01] Rybárová, Jana et al. Strengthening the Mitigation of Climate Change Impacts in Slovakia through the Disaggregation of Cultural Landscapes In: Processes Roč. 10, č. 4 (2022), s. [1-18] [online] ISSN: 2227-9717 (online) DB: WOS [WOS:000786070000001]

2022 [01] STRZABALA, Katarzyna, CWIAKALA, Pawel, GRUSZCZYNSKI, Wojciech et al.: Determining changes in building tilts based on UAV photogrammetry In: MEASUREMENT vol.202, (2022) ISSN:0263-2241 eISSN:1873-412X Doi:10.1016/j.measurement.2022.111772 [WOS:000860689300004] [NEIMPORTOVANÉ V CREPČ]

2022 [01] HASHIMOV, Saddam, ZAWADZKI, Jaroslaw: Observations of the oil-polluted soil of Absheron Peninsula using Landsat 8 OLI and Sentinel 2A imagery In: ACTA MONTANISTICA SLOVACA vol.27, no.3 (2022) p.607-619 ISSN:1335-1788 Doi:10.46544/AMS.v27i3.04 [WOS:000913204700004] [NEIMPORTOVANÉ V CREPČ]

2022 [01] GAJDZIK, Bozena, SUJOVA, Erika, MALYSA, Tomasz et al.: The accident rate in Polish mining. Current status and forecast In: ACTA MONTANISTICA SLOVACA vol.27, no.3 (2022) p.620-634 ISSN:1335-1788 Doi:10.46544/AMS.v27i3.05 [WOS:000913204700005] [NEIMPORTOVANÉ V CREPČ]

2022 [01] TUTAK, Magdalena, BRODNY, Jaroslaw, GALECKI, Greg: Applying CFD Model Studies to Determine Zones at Risk of Methane Explosion and Spontaneous Combustion of Coal in Goaves In: ACTA MONTANISTICA SLOVACA vol.27, no.3 (2022) p.651-666 ISSN:1335-1788 Doi:10.46544/AMS.v27i3.07 [WOS:000913204700007] [NEIMPORTOVANÉ V CREPČ]

2023 [01] ELAKSHER, Ahmed, ALI, Tarig, ALHARTHY, Abdullatif: A Quantitative Assessment of LIDAR Data Accuracy In: REMOTE SENSING vol.15, no.2 (2023) eISSN:2072-4292 Doi:10.3390/rs15020442 [WOS:000927277700001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] GERGELOVA, Marcela Bindzarova, KOVANIC, Ludovit, ABD-ELHAMID, Hany F. et al.: Evaluation of Spatial Landscape Changes for the Period from 1998 to 2021 Caused by Extreme Flood Events in the Hornad Basin in Eastern Slovakia In: LAND vol.12, no.2 (2023) eISSN:2073-445X Doi:10.3390/land12020405 [WOS:000941375800001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] SZYPULA, Bartlomiej: Accuracy of UAV-based DEMs without ground control points In: GEOINFORMATICA (2023) ISSN:1384-6175 eISSN:1573-7624 Doi:10.1007/s10707-023-00498-1 [WOS:000967742500001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] LI, Pengfei, REN, Fangli, HU, Jinfei et al.: Monitoring soil erosion on field slopes by terrestrial laser scanning and structure-from-motion In: LAND DEGRADATION &

DEVELOPMENT (2023) ISSN:1085-3278 eISSN:1099-145X Doi:10.1002/ldr.4712  
[WOS:000983957500001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] KOVANIC, L'udovit, STRONER, Martin, URBAN, Rudolf et al.: Methodology and Results of Staged UAS Photogrammetric Rockslide Monitoring in the Alpine Terrain in High Tatras, Slovakia, after the Hydrological Event in 2022 In: LAND vol.12, no.5 (2023) eISSN:2073-445X Doi:10.3390/land12050977  
[WOS:000996800400001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] WANG, Yunchuan, DUAN, Ping, LI, Jia et al.: Research on Side-Slope Monitoring by Integrating Terrestrial Laser Scanning and UAV-Based Photogrammetry In: ENVIRONMENTAL & ENGINEERING GEOSCIENCE vol.29, no.2 (2023) p.133-146 ISSN:1078-7275 eISSN:1558-9161  
[WOS:000997796300005] [NEIMPORTOVANÉ V CREPČ]

2023 [01] KOVANIC, Ludovit, TOPITZER, Branislav, PETOVSKY, Patrik et al.: Review of Photogrammetric and Lidar Applications of UAV In: APPLIED SCIENCES-BASEL vol.13, no.11 (2023) eISSN:2076-3417 Doi:10.3390/app13116732  
[WOS:001004705900001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] PIPISKOVA, Petra, MUCHOVA, Zlatica, DEZERICKY, David et al.: GAEC 5 Direct Payment System Implementation Challenges in Slovakia In: JOURNAL OF ECOLOGICAL ENGINEERING vol.24, no.6 (2023) p.109-118 ISSN:2299-8993 Doi:10.12911/22998993/162591  
[WOS:000996395400011] [NEIMPORTOVANÉ V CREPČ]

#### **ADE - Vedecké práce v zahraničných nekarentovaných časopisoch(6)**

ADE001 [118699] **The issue of documentation of hardly accessible historical monuments by using of photogrammetry and laser scanner techniques** / Karol Bartoš ... [et al.] - 2011.In: Geoinformatics. Vol. 6 (2011), p. 40-47. - ISSN 1802-2669 Spôsob prístupu: <http://geoinformatics.fsv.cvut.cz/pdf/geoinformatics-fce-ctu-2011-06.pdf>.  
[BARTOŠ, Karol - PUKANSKÁ, Katarína - GAJDOŠÍK, Juraj - KRAJŇÁK, Miroslav]

#### **Ohlasy:**

2012 [1] GREIF, Vladimír - VLČKO, Ján Key block theory application for rock slope stability analysis in the foundations of medieval castles in Slovakia In: Journal of Cultural Heritage Art. in press (2012), p. 1-6 ISBN: 1296-2074 DB: Scopus

2013 [2] Rákay, Š. et al. Surveying of inaccessible rock faces and volume calculation of the irregular solids using robotic total station In: Acta Montanistica Slovaca Roč. 18, č. 3(2013), s. 164-171 ISBN: 1335-1788 DB: Scopus

2012 [3] DORNINGER, Peter - KALASEK, Robert - ADENSTEDT, Ingrid Quantity versus Quality in Cultural Heritage Documentation In: Cultural Heritage and New Technologies : Proceedings of the 16th International Conference : Vienna P. 294-303 ISBN: 978-3-200-02740-4

2013 [4] KUZEVIČOVÁ, Žofia, GERGEL'OVÁ, Marcela, KUZEVIČ, Štefan Spatial models of historical sites and their use in geotourism In: Acta Geoturistica Roč. 4, č. 2 (2013), s. 48-52 ISSN: 1338-2292

2014 [3] KOVANIČ, L'udovit - BLIŠŤAN, Peter - NÉMETH, Zoltán TLS use for the geological structures documentation In: EGRSE P. 1-10 ISSN: 1805-2266

2014 [3] STAVROPOULOU, G., TZOVLAKI, G., GEORGOPOULOS, A. Can 3D Point Clouds Replace GCPs? In: ISPRS 2014 : ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences: ISPRS Technical Commission V Symposium: Riva del

Garda, Italy, 23-25 June, 2014 Vol. 2, no. 5 (2014), p. 347-354 ISSN: 2194-9042

2017 [2] STRONER, Martin - MICHAL, Ondřej - URBAN, Rudolf Maximal precision increment method utilization for underground geodetic height network optimization In: Acta Montanistica Slovaca Roč. 22, č. 1 (2017), s. 32-42 ISSN: 1335-1788 DB: WOS

2020 [1] BIEDA, Agnieszka et al. Historical Underground Structures as 3D Cadastral Objects In: Remote Sensing Vol. 12, no. 10 (2020), art no. 1547 ISSN: 2072-4292 DB: WOS

ADE002 [145842] **Analysis of low-cost photogrammetric procedures in the process of historical objects survey** / Karol Bartoš ... [et al.] - 2014. In: International Journal of Science Commerce and Humanities. Vol. 2, no. 3(2014), p. 203-210. - ISSN 2052-6164  
[BARTOŠ, Karol - PUKANSKÁ, Katarína - SABOVÁ, Janka - WEISS, Gabriel]

#### Ohlasy:

2015 [1] INGWER, P. et al. Practical usefulness of structure from motion (SfM) point clouds obtained from different consumer cameras In: The International Society for Optical Engineering : San Francisco, 10-11 February, 2015 ISSN: 0277-786X ISBN: 978-162841501-8 DB: Scopus

2017 [1] TIWARI, P.S. et al. Evaluating the quality of free and open source softwares for digital photogrammetric applications In: ACRS 2017 : 38th Asian Conference on Remote Sensing - Space Applications : Touching Human Lives : New Delhi, 23-27 October, 2017 Vol. 2017, no. October (2017) DB: Scopus

ADE003 [145913] **Overview of Available Open-Source Photogrammetric Software, its Use and Analysis** / Karol Bartoš, Katarína Pukanská, Janka Sabová - 2014. In: International Journal for Innovation Education and Research (IJER). Vol. 2, no. 4 (2014), p. 62-70. - ISSN 2201-6740  
[BARTOŠ, Karol - PUKANSKÁ, Katarína - SABOVÁ, Janka]

#### Ohlasy:

2014 [1] RODRIGUEZ-GONZALVEZ, Pablo, GONZALEZ-AGUILERA, Diego, LOPEZ-JIMENEZ, Gemma et al. Image-based modeling of built environment from an unmanned aerial system In: Automation in Construction Vol. 48 (2014), p. 44-52 ISSN: 0926-5805 DB: WOS

2014 [3] KOVANIČ, Ľudovít - BLIŠŤAN, Peter - NÉMETH, Zoltán Využitie TLS pri dokumentácii geologických štruktúr In: EGRSE Vol. 21, no. 2 (2014), p. 1-9 ISSN: 1805-2266

2016 [1] CIPRIANI, A., CITTON, P., ROMANO, M. Testing two open-source photogrammetry software as a tool to digitally preserve and objectively communicate significant geological data: The Agolla case study (Umbria-Marche Apennines) In: Italian Journal of Geosciences Vol. 135, no. 2 (2016), p. 199-209 ISSN: 2038-1719 DB: Scopus

2015 [1] LEE, J., et al. Accuracy comparison between image-based 3D reconstruction technique and terrestrial LiDAR for as-built BIM of outdoor structures In: Journal of the Korean Society of Surveying Geodesy Photogrammetry and Cartography Vol. 33, no. 6 (2015), p. 557-567 ISSN: 1598-4550 DB: Scopus

2015 [3] TANNANT, Dwayne D. Review of Photogrammetry-Based Techniques for Characterization and Hazard Assessment of Rock Faces In: International Journal of Geohazards and Environment Vol. 1, no. 2 (2015), p. 76-87 ISSN: 2368-5905

2016 [4] URBAN, Rudolf Analýza digitálneho modelu terénu z bezpilotného systému eBee In: Geodézia, kartografia a geografické informačné systémy 2016 : 9. vedecko-odborná medzinárodná konferencia : Demänovská dolina, 21.-23. september, 2016 S. 1-8 ISBN: 978-80-553-2603-0

2016 [1] FAU, Marine - CORNETTE, Raphael - HOUSSAYE, Alexandra Photogrammetry for 3D digitizing bones of mounted skeletons: Potential and limits In: Comptes Rendus Palevol Vol. 15, no. 8 (2016), p. 968-977 ISSN: 1631-0683 DB: WOS

2017 [1] MOSBRUCKER, Adam R. et al. Camera system considerations for geomorphic applications of SfM photogrammetry In: Earth Surface Processes and Landforms Vol. 42, no. 6 (2017), p. 969-986 ISSN: 0197-9337 DB: WOS

2016 [1] URBAN, Rudolf et al. Terrain of post mining site from airship lidar In: SGEM 2016 : 16th International Multidisciplinary Scientific GeoConference : Informatics, Geoinformatics and Remote Sensing Conference Proceedings : Vol. 2 : Albena, 30 Jun-6 Jul, 2016 P. 577-584 ISBN: 978-619-7105-59-9 DB: WOS

2017 [1] TIWARI, P.S. et al. Evaluating the quality of free and open source softwares for digital photogrammetric applications In: ACRS 2017 : 38th Asian Conference on Remote Sensing - Space Applications : Touching Human Lives : New Delhi, 23-27 October, 2017 Vol. 2017, no. October (2017) DB: Scopus

2019 [1] LE MINOR, M. et al. Numerical modelling of hydraulics and sediment dynamics around mangrove seedlings: Implications for mangrove establishment and reforestation In: Estuarine, Coastal and Shelf Science Vol. 217 (2018), p. 81-95 ISSN: 0272-7714 DB: Scopus

2019 [1] LEI, Lei et al. A CNN-based 3D patch registration approach for integrating sequential models in support of progress monitoring In: Advanced Engineering Informatics Vol. 41 (2019), article no. UNSP 100923 ISSN: 1474-0346 DB: WOS

2019 [1] RIANMORA, S., PHLERNJAI, M. Non-scanning acquisition technique for extracting small depth difference on the area of interest In: Science and Technology Asia Vol. 24, no. 2 (2019), p. 20-33 ISSN: 2586-9027 DB: Scopus

2019 [1] AL KHALIL, Omar - GRUSSENMEYER, Pierre 2D and 3D reconstruction workflows from archive images, case study of damaged monuments in Bosra al-sham city (Syria) In: ISPRS Archives : 27th CIPA International Symposium - Documenting the Past for a Better Future : Avila, 1-5 September, 2019 P. 55-62 ISSN: 1682-1750 DB: Scopus

2020 [1] GUIMARAES, Nathalie et al. VisWebDrone: A Web Application for UAV Photogrammetry Based on Open-Source Software In: ISPRS International Journal of Geo-Information Vol. 9, no. 11 (2020), art. no. 679 ISSN: 2220-9964 DB: WOS

ADE004 [146765] **Determination of Deformations of a High-Capacity Tank Using the Technology of Terrestrial Laser Scanning** / Katarína Pukanská ... [et al.] - 2014. In: American International Journal of Contemporary Research. Vol. 4, no. 4 (2014), p. 38-45. - ISSN 2162-142X Spôsob prístupu: [http://www.aijcrnet.com/journals/Vol\\_4\\_No\\_4\\_April\\_2014/5.pdf](http://www.aijcrnet.com/journals/Vol_4_No_4_April_2014/5.pdf). [PUKANSKÁ, Katarína - BARTOŠ, Karol - GAJDOŠÍK, Juraj - MARCIAN, Miroslav]

#### Ohlasy:

2019 [1] LABANT, Slavomír et al. Track planarity and verticality of the warehouse racks for the quality assessment of further operation In: Geodesy and Cartography Vol. 68, no. 2 (2019), p. 305-319 ISSN: 2080-6736 DB: WOS

2018 [1] JIASHUN, Hu - XIAOXIAO, H. Applications of 3d laser scanning for storage tank: Review, challenges and outlook In: FENDT 2017 : IEEE Far East NDT New Technology and Application Forum : Xi'an, 22-24 June, 2017 P. 86-90 ISBN: 978-153861614-7 DB: Scopus

2020 [1] ZEIDAN, Zaki - BESHAR, Ashraf - SAMEH, Sara Structural damage detection of elevated circular water tank and its supporting system using geodetic techniques In: Geodesy and Cartography Vol. 69, no. 1 (2020), p. 117-140 ISSN: 2080-6736 DB: WOS

ADE005 [149374] **The application of open-source and free photogrammetric software for the**

**purposes of cultural heritage documentation** / Karol Bartoš ... [et al.] - 2014.In: GeoScience Engineering. Vol. 60, no. 2 (2014), p. 19-26. - ISSN 1802-5420 Spôsob prístupu: <http://gse.vsb.cz/2014/LX-2014-2-19-26.pdf>  
[BARTOŠ, Karol - PUKANSKÁ, Katarína - SABOVÁ, Janka - WEISS, Gabriel]

**Ohlasy:**

2015 [1] ŠAFÁŘ, Václav Design of Test Base for Determine Volume Accuracy In: Surface Models for Geosciences: Lecture Notes in Geoinformation and Cartography P. 215-223 ISBN: 978-3-319-18406-7 DB: Scopus

2018 [1] ANDREI, Enea et al. The drone - A methodological tool, for generating base layers in gis In: GEOBALCANICA 2018 : 4th International Scientific Conference : Proceedings : Ohrid, 15-16 May, 2018 P. 513-520 ISSN: 1857-7636 DB: WOS

**ADF - Vedecké práce v domácich nekarentovaných časopisoch(2)**

ADF001 [122758] **Application of digital photogrammetry in the process of documentation of archaeological artefacts** / Miroslav Krajňák, Katarína Pukanská, Karol Bartoš - 2011.In: Acta Montanistica Slovaca. Roč. 16, č. 4(2011), s. 337-343. - ISSN 1335-1788  
[KRAJŇÁK, Miroslav - PUKANSKÁ, Katarína - BARTOŠ, Karol]

**Ohlasy:**

2013 [01] PUKANSKA, Katarina, BARTOS, Karol, SGEM: THE COMBINATION OF NONE-CONTACT SURVEYING TECHNOLOGIES FOR DOCUMENTATION OF CASTLE RUINS In: GEOCONFERENCE ON INFORMATICS, GEOINFORMATICS AND REMOTE SENSING - CONFERENCE PROCEEDINGS, VOL II : Albena (2013) p.703-710 ISBN:978-619-7105-01-8 ISSN:1314-2704  
[WOS:000349067300091] [NEIMPORTOVANÉ V CREPČ]

2014 [1] BARAN, Michal et al. Geodetic survey and restoration of important archaeological site in the Slovak republic a cellar in the cadastre unit Fričkovce In: SGEM 2014 : 14th International multidisciplinary scientific geoconference : GeoConference on Informatics, Geoinformatics and Remote sensing : conference proceedings : volume 2 : 17-26, June, 2014, Albena P. 263-270 ISBN: 978-619-7105-11-7 DB: Scopus

2014 [01] BARAN, Michal, WEISS, Gabriel, ZUZIK, Jozef et al.: GEODETIC SURVEY AND RESTORATION OF IMPORTANT ARCHAEOLOGICAL SITE IN THE SLOVAK REPUBLIC A CELLAR IN THE CADASTRE UNIT FRICKOVCE In: GEOCONFERENCE ON INFORMATICS, GEOINFORMATICS AND REMOTE SENSING, VOL II : Albena (2014) p.263-270 ISBN:978-619-7105-11-7 ISSN:1314-2704  
[WOS:000371299400034] [NEIMPORTOVANÉ V CREPČ]

2015 [3] PAUN, Corina Daniela - ONIGA, Valeria Ersilia - CIOBANU, Laura Elena Testing a new method of digital images acquisition in the process of 3D reconstruction of an object In: Journal of Geodesy, Cartography and Cadastre No. 3 (2015), p. 28-36 ISSN: 1454-1408

2018 [1] BROUČEK, J., URBAN, R., ŠTRONER, M. Accuracy of aerial photogrammetry depending on the number of unnecessary measurements In: SGEM 2018 : 18th International Multidisciplinary Scientific Geoconference Volume 18, no. 2.3 : Informatics, Geoinformatics and Remote Sensing : Albena, 2-8 July, 2018 P. 11-18 ISSN: 1314-2704 ISBN: 978-619-7408-41-6 DB: Scopus

**ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS(6)**

ADM001 [149389] **Comparison of Survey Results of the Surface Quarry Spišské Tomášovce by the Use of Photogrammetry and Terrestrial Laser Scanning** / Katarína Pukanská, Karol Bartoš,



Janka Sabová - 2014. In: Inżynieria Mineralna. Vol. 33, no. 1 (2014), p. 47-54. - ISSN 1640-4920  
Spôsob prístupu: [http://www.potopk.republika.pl/an\\_archiwum.html](http://www.potopk.republika.pl/an_archiwum.html).  
[PUKANSKÁ, Katarína - BARTOŠ, Karol - SABOVÁ, Janka]

#### Ohlasy:

2015 [3] DWORZAK, Michal et al. Wstępna analiza możliwości zastosowania cyfrowej niemetrycznej fotogrametrii naziemnej z wykorzystaniem metody SfM (Structure-from-Motion) w robotach strzałowych In: Przegląd Górniczy Vol. 2015, no. 9 (2015), p. 61-68 ISSN: 0033-216X

2016 [2] BLISTAN, P. et al. Using UAV photogrammetry to document rock outcrops In: Acta Montanistica Slovaca Roč. 21, č. 2 (2016), s. 154-161 ISSN: 1335-1788 DB: Scopus [WOS:000386528800009]

2016 [4] BLIŠŤAN, Peter - KOVANIČ, Ľudovít - HURČÍK, Tomáš 3D modely ložísk perlitu Lehôtka pod Brehmi a Jastrabá - súčasný stav riešenia APVV projektu - APVV-0339-12 In: Geodézia, kartografia a geografické informačné systémy 2016 : 9. vedecko-odborná medzinárodná konferencia : Demänovská dolina, 21.-23. september, 2016 S. 1-9 ISBN: 978-80-553-2603-0

2016 [4] BLIŠŤAN, Peter et al. Využitie UAV fotogrametrie pri dokumentácii skalných odkryvov In: Geodézia, kartografia a geografické informačné systémy 2016 : 9. vedecko-odborná medzinárodná konferencia : Demänovská dolina, 21.-23. september, 2016 S. 1-7 ISBN: 978-80-553-2603-0

2016 [1] LABANT, Slavomir et al. Geodetic survey of the historic building and creating of a 3D model for the project purposes of the monument restoration In: SGEM 2016 : International Multidisciplinary Scientific GeoConference : informatics, geoinformatics and remote sensing : conference proceedings : volume 2 : Albena, 30 June-6 July, 2016 P. 329-336 ISBN: 978-619-7105-59-9 DB: WOS

2017 [01] BLISTAN, Peter, KOVANIC, L'udovit, ADAMCZYK, T et al.: VERIFICATION OF USABILITY OF LOW-COST UAV PHOTOGRAMMETRY IN COMPARISON WITH CLOSE-RANGE PHOTOGRAMMETRY IN THE CONTEXT OF DOCUMENTATION OF EARTH'S SURFACE In: GEOGRAPHIC INFORMATION SYSTEMS CONFERENCE AND EXHIBITION (GIS ODYSSEY 2017) : Trento (2017) p.43-51 ISBN:\*\*\*\*\* [WOS:000451212400005] [NEIMPORTOVANÉ V CREPČ]

2018 [1] MOUDRÝ, V. et al. Comparison of a commercial and home-assembled fixed-wing UAV for terrain mapping of a post-mining site under leaf-off conditions In: International Journal of Remote Sensing DOI: 10.1080/01431161.2018.1516311 ISSN: 0143-1161 DB: Scopus

2018 [1] FERNANDEZ-LOZANO, Javier et al. New Perspectives for UAV-Based Modelling the Roman Gold Mining Infrastructure in NW Spain In: Minerals Vol. 8, no. 11 (2018), art. no. 518 ISSN: 2075-163X DB: WOS [WOS:000451530500045]

2018 [2] URBAN, R. et al. A novel approach to estimate systematic and random error of terrain derived from UAVs: a case study from a post-mining site In: Acta Montanistica Slovaca Roč. 23, č. 3 (2018), s. 325-336 ISSN: 1335-1788 DB: Scopus [WOS:000454044000008]

2018 [1] BALEK, J., URBAN, R., ŠTRONER, M. Laboratory testing of the precision and accuracy of the tm-71 dilatometer In: SGEM 2018 : 18th International Multidisciplinary Scientific Geoconference Volume 18, no. 1.2 : Science and Technologies in Geology, Exploration and Mining : Albena, 2-8 July, 2018 P. 433-439 ISSN: 1314-2704 ISBN: 978-619-7409-36-2 DB: Scopus

2018 [01] WEISS, Gabriel, BARTOŠ, Karol, LABANT, Slavomir et al.: The identification of incorrectly determined new points in established 2D Local Geodetic Network during

deformation monitoring for environmental protection In: JOURNAL OF CLEANER PRODUCTION vol.170, (2018) p.789-796 ISSN:0959-6526 eISSN:1879-1786  
Doi:10.1016/j.jclepro.2017.09.179  
[WOS:000414879300073] [NEIMPORTOVANÉ V CREPČ]

2019 [3] DOUMIT, Jean A., AWAD, Souhail F. Unmanned aerial vehicle for geological structure delineation in critical areas : an application to Hamatoura valley, north Lebanon In: Regionalny Geografichskiy Issledovaniya : Sbornik nauchnykh trudov Vol. 2, no. 12 (2019), p. 195-210

2019 [1] MOUDRÝ, Vítězslav et al. Comparison of a commercial and home-assembled fixed-wing UAV for terrain mapping of a post-mining site under leaf-off conditions In: International Journal of Remote Sensing Vol. 40, no. 2 (2019), p. 555-572 ISSN: 0143-1161 DB: WOS  
[WOS:000457495600007]

2019 [2] BLIŠŤAN, P. et al. Evaluation quality parameters of DEM generated with low-cost UAV photogrammetry and Structure-from-Motion (SfM) approach for topographic surveying of small areas In: Acta Montanistica Slovaca Roč. 24, č. 3 (2019), s. 198-212 ISSN: 1335-1788 DB: WOS  
[WOS:000505598600003]

2019 [01] STRONER, Martin, KREMEN, Tomas, BRAUN, Jaroslav et al.: Comparison of 2.5D Volume Calculation Methods and Software Solutions Using Point Clouds Scanned Before and After Mining In: ACTA MONTANISTICA SLOVACA vol.24, no.4 (2019) p.296-306 ISSN:1335-1788  
[WOS:000523652300002] [NEIMPORTOVANÉ V CREPČ]

2020 [01] URBAN, Rudolf, STRONER, Martin, KURIC, Ivan: The use of onboard UAV GNSS navigation data for area and volume calculation In: ACTA MONTANISTICA SLOVACA vol.25, no.3 (2020) p.361-374 ISSN:1335-1788 Doi:10.46544/AMS.v25i3.9  
[WOS:000642072500001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] GERGELOVA, Marcela Bindzarova, LABANT, Slavomir, MIZAK, Jozef et al.: Inventory of Locations of Old Mining Works Using LiDAR Data: A Case Study in Slovakia In: SUSTAINABILITY vol.13, no.12 (2021) eISSN:2071-1050 Doi:10.3390/su13126981  
[WOS:000666369300001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] KOVANIC, Ludovit, BLISTAN, Peter, STRONER, Martin et al.: Suitability of Aerial Photogrammetry for Dump Documentation and Volume Determination in Large Areas In: APPLIED SCIENCES-BASEL vol.11, no.14 (2021) eISSN:2076-3417  
Doi:10.3390/app11146564  
[WOS:000678144600001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] BAUTRENAS, Arturas, CESNULEVICIUS, Algimantas, MORKUNAITE, Regina et al.: Investigation and mapping of the temporary dynamics of the highest Lithuanian outcrop using ground-based measurements and UAV imagery In: BALTICA vol.34, no.1 (2021) p.108-122 ISSN:0067-3064 eISSN:1648-858X Doi:10.5200/baltica.2021.1.9  
[WOS:000759880600009] [NEIMPORTOVANÉ V CREPČ]

ADM002 [149525] **The Analysis, Accuracy and Utilization of Open-Source Photogrammetric /** Karol Bartoš, Katarína Pukanská, Janka Sabová - 2014. In: Inžynieria Mineralna. Vol. 60, no. 1 (2014), p. 299-306. - ISSN 1640-4920 Spôsob prístupu: [http://www.potopk.republika.pl/an\\_archiwum.html](http://www.potopk.republika.pl/an_archiwum.html).  
[BARTOŠ, Karol - PUKANSKÁ, Katarína - SABOVÁ, Janka]

#### Ohlasy:

2018 [1] MOUSAVI, V. et al. The performance evaluation of multi-image 3D reconstruction software with different sensors In: Measurement: Journal of the International Measurement Confederation Vol. 120 (2018), p. 1-10 ISSN: 0263-2241 DB: Scopus

2021 [01] KOVANIC, Ludovit, BLISTAN, Peter, STRONER, Martin et al.: Suitability of Aerial Photogrammetry for Dump Documentation and Volume Determination in Large Areas In: APPLIED SCIENCES-BASEL vol.11, no.14 (2021) eISSN:2076-3417  
Doi:10.3390/app11146564  
[WOS:000678144600001] [NEIMPORTOVANÉ V CREPČ]

ADM003 [194580] **Verification of floor planarity by trigonometrical measurement of heights on a 5-storey monolithic building** / Štefan Rákay, Slavomír Labant, Karol Bartoš - 2018.In: Geodesy and Cartography. Vol. 44, no. 1 (2018), p. 14-21. - ISSN 2029-6991  
[RÁKAY, Štefan ml. - LABANT, Slavomír - BARTOŠ, Karol]

#### Ohlasy:

2018 [1] TSAREVA, Olga - DMITRIEV, Ivan - KORNILOV, Yuriy Estimation of absolute deformations by changes in distances between the reference points and deformation marks In: MATEC Web of Conferences : EECE 2018 : International Scientific Conference on Energy, Environmental and Construction Engineering, St. Petersburg, 18-20 November, 2018 Vol. 245, (2018) ISSN: 2261-236X DB: Scopus

2019 [1] ŠKRABULÁKOVÁ, E.F., GREŠOVÁ, E. Cost Saving via Graph Coloring Approach In: Scientific Papers of the University of Pardubice, Series D: Faculty of Economics and Administration Vol. 45, no. 1 (2019), p. 152-160 ISSN: 1211-555X DB: Scopus

2019 [1] TSAREVA, O., PORTNOV, F. Improving the methodology for observing deformations of buildings and structures In: SPbWOSCE 2018 : International Science Conference on Business Technologies for Sustainable Urban Development : 10-12 December 2018, St. Petersburg, Russian Federation Vol. 110 (2019) ISSN: 2558-0403 DB: Scopus

2020 [1] TSAREVA, O. et al. Separation of Relative Deformations of Buildings from a General Displacement Vector of Deformation Marks In: Lecture Notes in Civil Engineering Vol. 70 (2020), p. 93-102 ISSN: 2366-2557 DB: Scopus

ADM004 [201008] **The influence of artificial illumination of invar levelling rods on the measurements with digital levels** / Štefan Rákay ... [et al.] - 2018.In: Geodetski vestnik. - Ljubjana (Slovensko) : Assoc Surveyors Slovenia, 2018 Roč. 62, č. 4 (2018), s. 619-629. - ISSN 0351-0271  
Spôsob prístupu: [http://geodetski-vestnik.com/62/4/gv62-4\\_rakay.pdf](http://geodetski-vestnik.com/62/4/gv62-4_rakay.pdf).  
[RÁKAY, Štefan ml. - LABANT, Slavomír - BARTOŠ, Karol - PUKANSKÁ, Katarína]

#### Ohlasy:

2020 [1] KUCHMISTER, J. et al. A functional-precision analysis of the Vertical Comparator for the Calibration of geodetic Levelling Systems In: Measurement Vol. 163 (2020), art. no. 107951 ISSN: 0263-2241 DB: WOS  
[WOS:000575769200011]

#### ADN - Vedecké práce v domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS(4)

ADN001 [155053] **Determination of deformation of high-capacity tank using terrestrial laser scanning** / Katarína Pukanská ... [et al.] - 2014.In: Acta Montanistica Slovaca. Roč. 19, č. 1 (2014), s. 41-46. - ISSN 1335-1788  
[PUKANSKÁ, Katarína - LABANT, Slavomír - BARTOŠ, Karol - GAŠINEC, Juraj - ZUZIK, Jozef]

#### Ohlasy:

2016 [1] ŠTRONER, Martin - URBAN, Rudolf Unconventional high precision micronetwork

determination for the needs of the monitoring of the riverbed model changes caused by the water flow In: SGEM 2016 : 16th International Multidisciplinary Scientific GeoConference : Albena, 30 June-6 July, 2016 P. 697-703 ISSN: 1314-2704 ISBN: 978-619-7105-59-9 DB: WOS  
[WOS:000395499500090]

2016 [1] BRAUN, Jaroslav - ŠTRONER, Martin Experimental determination of the eccentricity of surveying accessories In: SGEM 2016 : 16th International Multidisciplinary Scientific GeoConference : Albena, 30 June-6 July, 2016 P. 289-296 ISSN: 1314-2704 ISBN: 978-619-7105-59-9 DB: WOS  
[WOS:000395499500037]

2016 [1] BALEK, Jan - ŠTRONER, Martin - URBAN, Rudolf Laboratory testing of the precision and accuracy of the shapeaccelarray sensor in horizontal installation In: SGEM 2016 : 16th International Multidisciplinary Scientific GeoConference : Albena, 30 June-6 July, 2016 P. 871-878 ISSN: 1314-2704 ISBN: 978-619-7105-55-1 DB: WOS  
[WOS:000393240700110]

2016 [3] BREJCHA, Marcel et al. Utilization of Point Clouds Characteristics in Interpretation and Evaluation Geophysical Resistivity Surveying of Unstable Running Block In: Mechanics, Materials Science and Engineering Vol. 6, DOI: 10.13140/RG.2.1.1577.2401 (2016) ISSN: 2412-5954

2018 [1] ŠTRONER, Martin et al. Accurate Measurement of the Riverbed Model for Deformation Analysis using Laser Scanning Technology In: Geoinformatics FCE CTU Vol. 17, no. 2 (2018), p. 81-92 ISSN: 1802-2669

ADN002 [168239] **Využitie terestrického laserového skenovania pri skúmaní štruktúrno-geologických diskontinuit a morfológie jaskýň: príklad jaskyne Dúpnica v Západných Tatrách** / Pavel Bella ... [et al.] - 2015. In: Acta Geologica Slovaca. Roč. 7, č. 2 (2015), s. 93-102. - ISSN 1338-0044  
[BELLA, Pavel - LITVA, Juraj - PUKANSKÁ, Katarína - GAŠINEC, Juraj - BARTOŠ, Karol]

#### Ohlasy:

2016 [2] HOFIERKA, J. et al. Mapovanie jaskyne domica pomocou terestrického laserového skenovania In: Geografický časopis Vol.68, no. 1 (2016), p. 25-38 ISSN: 0016-7193 DB: Scopus

2015 [1] GALLAY, M. et al. Large-scale and high-resolution 3-D cave mapping by terrestrial laser scanning: A case study of the domica cave, Slovakia In: International Journal of Speleology Vol. 44, no. 3 (2015), p. 277-291 ISSN: 0392-6672 DB: Scopus

2016 [3] URBAN, Rudolf, JIŘIKOVSKÝ, Tomáš Tunneling measurement in UEF Josef using Trimble S8 In: SGEM 2016 : 16th International Multidisciplinary Scientific GeoConference : Albena, 30 June-6 July, 2016 P. 689-696 ISSN: 1314-2704 ISBN: 978-619-7105-59-9

2017 [4] HOFIERKA, J. et al. 3D mapovanie krajiny pomocou pozemného a leteckého laserového skenovania In: Životné prostredie Roč. 51, č. 1 (2017), s. 21-27 ISSN: 0044-4863

ADN003 [190818] **Comparison of non-contact surveying technologies for modelling underground morphological structures** / Katarína Pukanská ... [et al.] - 2017. In: Acta Montanistica Slovaca. Roč. 22, č. 3 (2017), s. 246-256. - ISSN 1335-1788 Spôsob prístupu: [https://apps.webofknowledge.com/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=1&SID=F1R4Tjadh1GxQa5WAwv&page=1&doc=1](https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F1R4Tjadh1GxQa5WAwv&page=1&doc=1).  
[PUKANSKÁ, Katarína - BARTOŠ, Karol - BELLA, Pavel - RÁKAY, Štefan ml. - SABOVÁ, Janka]

#### Ohlasy:

2019 [1] MEDINA, S.L.-C. et al. Assessment of dsms using backpack-mounted systems and drone techniques to characterise ancient underground cellars in the duero basin (Spain) In: Sensors Vol. 19, no. 24 (2019), article no. 5352 ISSN: 1424-8220 DB: Scopus [WOS:000517961400016]

2019 [1] KOVANIČ, Ľudovít et al. Deformation investigation of the shell of rotary kiln using terrestrial laser scanning (TLS) measurement In: Metalurgija Vol. 58, no. 3-4 (2019), p. 311-314 ISSN: 0543-5846 DB: WOS [WOS:000485124000034]

2019 [1] NOCERINO, E. et al. 3D Virtualization of an Underground Semi-submerged Cave System In: International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives: 27th CIPA International Symposium - Documenting the Past for a Better Future: Avila; Spain: 1-5 September 2019 Vol. 42, no. 2/W15 (2019), p. 857-864 ISSN: 1682-1750 DB: Scopus

2019 [2] BLIŠŤAN, Peter et al. Evaluation quality parameters of DEM generated with low-cost UAV photogrammetry and Structure-from-Motion (SfM) approach for topographic surveying of small areas In: Acta Montanistica Slovaca Roč. 24, č. 3 (2019), s. 198-212 ISSN: 1335-1788 DB: WOS [WOS:000505598600003]

2020 [01] PUKANSKA, Katarina, BARTOS, Karol, BELLA, Pavel et al.: Surveying and High-Resolution Topography of the Ochtina Aragonite Cave Based on TLS and Digital Photogrammetry In: APPLIED SCIENCES-BASEL vol.10, no.13 (2020) eISSN:2076-3417 Doi:10.3390/app10134633 [WOS:000550477400001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] DI STEFANO, Francesco, TORRESANI, Alessandro, FARELLA, Elisa M. et al.: 3D Surveying of Underground Built Heritage: Opportunities and Challenges of Mobile Technologies In: SUSTAINABILITY vol.13, no.23 (2021) eISSN:2071-1050 Doi:10.3390/su132313289 [WOS:000735099900001] [NEIMPORTOVANÉ V CREPČ]

2022 [01] PRYSYAZHNYUK, Pavlo, MOLENDÁ, Michal, ROMANYSHYN, Taras et al.: Development of a hardbanding material for drill pipes based on high-manganese steel reinforced with complex carbides In: ACTA MONTANISTICA SLOVACA vol.27, no.3 (2022) p.685-696 ISSN:1335-1788 Doi:10.46544/AMS.v27i3.09 [WOS:000913204700009] [NEIMPORTOVANÉ V CREPČ]

2023 [01] KOVANIC, L'udovit, STRONER, Martin, URBAN, Rudolf et al.: Methodology and Results of Staged UAS Photogrammetric Rockslide Monitoring in the Alpine Terrain in High Tatras, Slovakia, after the Hydrological Event in 2022 In: LAND vol.12, no.5 (2023) eISSN:2073-445X Doi:10.3390/land12050977 [WOS:000996800400001] [NEIMPORTOVANÉ V CREPČ]

ADN004 [229415] **Hardly Accessible Morphological Structures - Geological Mapping and Accuracy Analysis of SfM and TLS Surveying Technologies** / Katarína Pukanská .. [et al.] - 2020. In: Acta Montanistica Slovaca. - Košice (Slovensko) : Fakulta baníctva, ekológie, riadenia a geotechnológií Roč. 25, č. 4 (2020), s. 479-493 [print, online]. - ISSN 1335-1788 Spôsob prístupu: <https://doi.org/10.46544/AMS.v25i4.04>.

[PUKANSKÁ, Katarína - BARTOŠ, Karol - HIDEGHÉTY, Andrej - KUPČÍKOVÁ, Klaudia - KSEŇAK, Ľubomír - JANOČKO, Juraj - GILL, Marcin - FRACKIEWICZ, Pawel - PREKOPOVÁ, Marta - ĎURIŠKA, Igor - MIŽÁK, Jozef]

#### Ohlasy:

2022 [01] STRONER, Martin, URBAN, Rudolf, LINKOVA, Lenka: Multidirectional Shift Rasterization (MDSR) Algorithm for Effective Identification of Ground in Dense Point Clouds In: REMOTE SENSING vol.14, no.19 (2022) eISSN:2072-4292 Doi:10.3390/rs14194916 [WOS:000867909400001] [NEIMPORTOVANÉ V CREPČ]

## AFC - Publikované príspevky na zahraničných vedeckých konferenciách(6)

AFC001 [136785] **The Combination of none-contact surveying technologies for documentation of castle ruins** / Katarína Pukanská, Karol Bartoš - 2013.In: SGEM 2013 : 13th International Multidisciplinary Scientific GeoConference : Informatics, geoinformatics and remote sensing : conference proceedings : volume 2 : 16-22 June, 2013, Albena, Bulgaria. - Sofia : STEF92 Technology, 2013 P. 703-710. - ISBN 978-619-7105-01-8 - ISSN 1314-2704 [PUKANSKÁ, Katarína - BARTOŠ, Karol]

### Ohlasy:

[1] URBAN, Rudolf et al. Terrain of post mining site from airship lidar In: SGEM 2016 : 16th International Multidisciplinary Scientific Geoconference : informatics, geoinformatics and remote sensing : conference proceedings : volume 2 : Albena, 30 June - 6 July, 2016 P. 577-584 ISBN: 978-619-7105-59-9 DB: WOS [WOS:000395499500075]

2016 [4] URBAN, Rudolf Analýza digitálneho modelu terénu z bezpilotného systému eBee In: Geodézia, kartografia a geografické informačné systémy 2016 : 9. vedecko-odborná medzinárodná konferencia : Demänovská dolina, 21.-23. september, 2016 S. 1-8 ISBN: 978-80-553-2603-0

AFC003 [150522] **The Application of close-range photogrammetry for a documentation of metallurgical art-historical objects.** / Katarína Pukanská ... [et al.] - 2014.In: SGEM 2014 : 14th international multidisciplinary scientific geoconference : GeoConference on Informatics, Geoinformatics and Remote Sensing : conference proceedings : 17-26 June, 2014, Albena, Bulgaria. - Sofia : STEF92 Technology Ltd., 2014 P. 327-334. - ISBN 978-619-7105-12-4 [PUKANSKÁ, Katarína - BARTOŠ, Karol - WEISS, Gabriel - RÁKAY, Štefan ml.]

### Ohlasy:

2016 [3] FRAŠTIA, Marek et al. Measurement of building components deformations by the methods of digital photogrammetry In: SGEM 2016 : 16th International Multidisciplinary Scientific GeoConference : Albena, 30 June-6 July, 2016 P. 955-962 ISSN: 1314-2704 ISBN: 978-619-7105-59-9 [WOS:000395499500122]

2016 [1] ONIGA, Ersilia - CHIRILA, Constantin Analogous vs. digital cameras for buildings 3D models creation In: Environmental engineering and management journal Vol. 15, no. 6 (2016), p. 1293-1303 ISSN: 1582-9596 DB: WOS [WOS:000383100900012]

2018 [01] MARCIS, M., FRASTIA, M., AUGUSTIN, T. et al.: Photogrammetric deformation measurement of concrete flat slab In: ADVANCES AND TRENDS IN GEODESY, CARTOGRAPHY AND GEOINFORMATICS : Demanovska Dolina (2018) p.83-88 ISBN:978-0-429-50564-5 [WOS:000437494400014] [NEIMPORTOVANÉ V CREPČ]

2020 [1] BICI, M. et al. A preliminary approach on point cloud reconstruction of bronze statues through oriented photogrammetry: The "Principe Ellenistico" case In: IOP Conference Series: Materials Science and Engineering : HERITECH 2020 : 2nd International Conference Florence Heri-Tech: The Future of Heritage Science and Technologies : Virtual, Online : 14-16 October, 2020 Vol. 949, no.1 (2020), art. no. 012117 ISSN: 1757-8981 DB: Scopus

2020 [01] BICI, M., GHERARDINI, F., CAMPANA, F. et al.: A preliminary approach on point cloud reconstruction of bronze statues through oriented photogrammetry: the "Principe Ellenistico" case In: INTERNATIONAL CONFERENCE FLORENCE HERI-TECH: THE FUTURE OF HERITAGE SCIENCE AND TECHNOLOGIES vol.949, (2020)

ISBN:\*\*\*\*\* ISSN:1757-8981 Doi:10.1088/1757-899X/949/1/012117  
[WOS:000647639100120] [NEIMPORTOVANÉ V CREPČ]

### AFD - Publikované príspevky na domácich vedeckých konferenciách(15)

AFD003 [128517] **Laserové skenovanie skalného podložia hradu Gýmeš a inžiniersko-geologické posúdenie stability horninového podložia** / Katarína Pukanská ... [et al.] - 2012.In: Geodézia, kartografia a geografické informačné systémy 2012 : 7. vedecko-odborná medzinárodná konferencia : zborník článkov : 24. - 25.október 2012, Tatranská Lomnica, Slovensko. - Košice : TU, FBERG, 2012 S. 1-8. - ISBN 978-80-553-1173-9  
[PUKANSKÁ, Katarína - BARTOŠ, Karol - GREIF, Vladimír - VLČKO, Ján]

#### Ohlasy:

2013 [4] KYŠEĽA, Kamil, BLIŠŤAN, Peter, KOVANIČ, Ľudovít Využitie vybraných geodetických metód pre zameranie povrchových banských prevádzok s cieľom tvorby ich 3D modelov In: Fórum mladých geoinformatikov 2013 : recenzovaný zborník príspevkov : 2. - 3.mája 2013, Zvolen S. 1-10 ISBN: 978-80-228-2518-4

AFD005 [130009] **Založenie geodetickej siete pre účely geodetickej dokumentácie súčasného stavu historickej pamiatky Zborovského hradu** / Michal Baran, Katarína Pukanská, Karol Bartoš - 2012.In: Geodézia, kartografia a geografické informačné systémy 2012 : 7. vedecko-odborná medzinárodná konferencia : zborník článkov : 24. - 25.október 2012, Tatranská Lomnica, Slovensko. - Košice : TU, FBERG, 2012 S. 1-7. - ISBN 978-80-553-1173-9  
[BARAN, Michal - PUKANSKÁ, Katarína - BARTOŠ, Karol]

#### Ohlasy:

2014 [1] SABO, Jozef - SABOVÁ, Janka Using of differential global positioning system (DGPS) in instrument flying In: SGEM 2014 : 14th international multidisciplinary scientific geoconference : GeoConference on Informatics, geoinformatics and remote sensing : conference proceedings : volume 2 : 17-26, June, 2014, Albena P. 661-667 ISBN: 978-619-7105-11-7 DB: Scopus

2014 [2] SOKOL, Štefan, BAJTALA, Marek The elimination of vertical refraction in trigonometric measurements of height differences In: Acta Montanistica Slovaca Roč. 19, č. 2 (2014), s. 90-94 ISSN: 1335-1788 DB: Scopus

### V3 - Výstup publikačnej činnosti z časopisu - Vedecký(3)

V3001 [301903] **Speleogenesis in a lens of metamorphosed limestone and ankerite: Ochtina Aragonite Cave, Slovakia** / Pavel Bella ... [et al.] - 2022.In: International Journal of Speleology. - Boloňa (Taliansko) : Societa Speleologica Italiana Roč. 51, č. 1 (2022), s. 13-28 [print, online]. - ISSN 0392-6672 Spôsob prístupu: <https://doi.org/10.5038/1827-806X.51.1.2397>.  
[BELLA, Pavel - BOSÁK, Pavel - PRUNER, Petr - HERCMAN, Helena - PUKANSKÁ, Katarína - BARTOŠ, Karol - GAÁL, Ľudovít - HAVIAROVÁ, Dagmar - TOMČÍK, Peter - KDÝR, Šimon]

#### Ohlasy:

2022 [01] BELLA, Pavel, HERCMAN, Helena, KDÝR, Simon et al.: Sulfuric acid speleogenesis and surface landform evolution along the Vienna Basin Transfer Fault: Plavecky Karst, Slovakia In: INTERNATIONAL JOURNAL OF SPELEOLOGY vol.51, no.2 (2022) p.105-122 ISSN:0392-6672 eISSN:1827-806X Doi:10.5038/1827-806X.51.2.2420 [WOS:000825433500002] [NEIMPORTOVANÉ V CREPČ]

2022 [01] FURTADO, Carla P. Q., BORGES, Sergio V. F., BEZERRA, Francisco H. R. et al.:

The fracture-controlled carbonate Brejoes Karst System mapped with UAV, LiDAR, and electroresistivity in the Irece Basin - Brazil In: JOURNAL OF SOUTH AMERICAN EARTH SCIENCES vol.119, (2022) ISSN:0895-9811 eISSN:1873-0647  
Doi:10.1016/j.jsames.2022.103986  
[WOS:000848656700001] [NEIMPORTOVANÉ V CREPČ]

2022 [01] SZCZYGIEL, Jacek, SOBCZYK, Artur, MACIEJEWSKI, Maciej et al.: Variscan vs. Alpine structural controls: Karstic proto-conduit development within Palaeozoic marble post-conditioned by Alpine faulting (the In: GEOMORPHOLOGY vol.415, (2022) ISSN:0169-555X eISSN:1872-695X Doi:10.1016/j.geomorph.2022.108423  
[WOS:000856544700001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] KOVANIC, Ludovit, TOPITZER, Branislav, PETOVSKY, Patrik et al.: Review of Photogrammetric and Lidar Applications of UAV In: APPLIED SCIENCES-BASEL vol.13, no.11 (2023) eISSN:2076-3417 Doi:10.3390/app13116732  
[WOS:001004705900001] [NEIMPORTOVANÉ V CREPČ]

V3002 [302457] **Assessment of the usability of sar and optical satellite data for monitoring spatio-temporal changes in surface water: bodrog river case study** / Ľubomír Kseňak ... [et al.] - 2022.In: Water. - Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 14, č. 3 (2022), s. [1-23] [online]. - ISSN 2073-4441 (online) Spôsob prístupu: <http://dx.doi.org/10.3390/w14030299>.

[KSEŇAK, Ľubomír - PUKANSKÁ, Katarína - BARTOŠ, Karol - BLIŠŤAN, Peter]

#### Ohlasy:

2022 [01] TEW, Yi Lin, TAN, Mou Leong, JUNENG, Liew et al.: Rapid Extreme Tropical Precipitation and Flood Inundation Mapping Framework (RETRACE): Initial Testing for the 2021-2022 Malaysia Flood In: ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION vol.11, no.7 (2022) eISSN:2220-9964 Doi:10.3390/ijgi11070378  
[WOS:000832421900001] [NEIMPORTOVANÉ V CREPČ]

2022 [01] SOBHANI, Parvaneh, ESMAEILZADEH, Hassan, SADEGHI, Seyed Mohammad Moein et al.: Prioritizing Water Resources for Conservation in a Land of Water Crisis: The Case of Protected Areas of Iran In: WATER vol.14, no.24 (2022) eISSN:2073-4441  
Doi:10.3390/w14244121  
[WOS:000902824100001] [NEIMPORTOVANÉ V CREPČ]

2022 [01] KAVATS, Olena, KHRAMOV, Dmitriy, SERGIEIEVA, Kateryna: Surface Water Mapping from SAR Images Using Optimal Threshold Selection Method and Reference Water Mask In: WATER vol.14, no.24 (2022) eISSN:2073-4441 Doi:10.3390/w14244030  
[WOS:000904413600001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] LI, Zhouyuan, DEMIR, Ibrahim: U-net-based semantic classification for flood extent extraction using SAR imagery and GEE platform: A case study for 2019 central US flooding In: SCIENCE OF THE TOTAL ENVIRONMENT vol.869, (2023) ISSN:0048-9697 eISSN:1879-1026 Doi:10.1016/j.scitotenv.2023.161757  
[WOS:000924318600001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] GERGLOVA, Marcela Bindzarova, KOVANIC, Ludovit, ABD-ELHAMID, Hany F. et al.: Evaluation of Spatial Landscape Changes for the Period from 1998 to 2021 Caused by Extreme Flood Events in the Hornad Basin in Eastern Slovakia In: LAND vol.12, no.2 (2023) eISSN:2073-445X Doi:10.3390/land12020405  
[WOS:000941375800001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] LIU, Shu, WU, Yanfeng, ZHANG, Guangxin et al.: Comparing Water Indices for Landsat Data for Automated Surface Water Body Extraction under Complex Ground Background: A Case Study in Jilin Province In: REMOTE SENSING vol.15, no.6 (2023) eISSN:2072-4292 Doi:10.3390/rs15061678  
[WOS:000957852200001] [NEIMPORTOVANÉ V CREPČ]



2023 [01] CARVALHO, Breylla Campos, FIGUEIRA, Raquel Medeiros Andrade, FORTUNATO, Humberto Freitas de Medeiros: Spatio-temporal water quality variability and regionalization of tropical reservoirs based on Landsat imagery In: JOURNAL OF APPLIED REMOTE SENSING vol.17, no.1 (2023) eISSN:1931-3195 Doi:10.1117/1.JRS.17.014512 [WOS:000969337300012] [NEIMPORTOVANÉ V CREPČ]

2023 [01] PUKANSKA, Katarina, BARTOS, Karol, BAKON, Matus et al.: Multi-sensor and multi-temporal approach in monitoring of deformation zone with permanent monitoring solution and management of environmental changes: A case study of Solotvyno salt mine, Ukraine In: FRONTIERS IN EARTH SCIENCE vol.11, (2023) eISSN:2296-6463 Doi:10.3389/feart.2023.1167672 [WOS:000980666900001] [NEIMPORTOVANÉ V CREPČ]

**PREHĽAD CITAČNÝCH OHLASOV AUTORA Z DATABÁZY WEB OF SCIENCE**  
(výpis citácií z databázy WoS s vylúčením samocitácií autora a spoluautorov)

**CITOVANÁ PUBLIKÁCIA:**

**Title: Analysis of the Suitability of High-Resolution DEM Obtained Using ALS and UAS (SfM) for the Identification of Changes and Monitoring the Development of Selected Geohazards in the Alpine Environment-A Case Study in High Tatras, Slovakia**

By: Kovanic, L (Kovanic, Ludovit); Blistan, P (Blistan, Peter); Urban, R (Urban, Rudolf); Stroner, M (Stroner, Martin); Blist'anova, M (Blist'anova, Monika); Bartos, K (Bartos, Karol); Pukanska, K (Pukanska, Katarina)

Source: REMOTE SENSING

Volume: 12 Issue: 23 Article Number: 3901 Published: DEC 2020

DOI: 10.3390/rs1223390

Document Type: Article

eISSN: 2072-4292

Accession Number: WOS:000597518600001

**CITÁCIE: (16)**

1.

Title: Research on Side-Slope Monitoring by Integrating Terrestrial Laser Scanning and UAV-Based Photogrammetry

Author(s): Wang, YC (Wang, Yunchuan); Duan, P (Duan, Ping); Li, J (LI, Jia); Zhang, ZK (Zhang, Zhike)

Source: ENVIRONMENTAL & ENGINEERING GEOSCIENCE Volume: 29 Issue: 2

Pages: 133-146 Published: MAY 2023

2.

Title: Monitoring soil erosion on field slopes by terrestrial laser scanning and structure-from-motion

Author(s): Li, PF (Li, Pengfei); Ren, FL (Ren, Fangli); Hu, JF (Hu, Jinfei); Yan, L (Yan, Lu); Hao, MK (Hao, Mingkui); Liu, LF (Liu, Lifeng); Gao, JJ (Gao, Jianjian); Dang, TM (Dang, Tianmin)

Source: LAND DEGRADATION & DEVELOPMENT Volume: 34 Issue: 12 Pages: 3663-3680 DOI: 10.1002/ldr.4712 Early Access Date: APR 2023 Published: JUL 30 2023

3.

Title: Accuracy of UAV-based DEMs without ground control points

Author(s): Szyplula, B (Szyplula, Bartlomiej)

Source: GEOINFORMATICA DOI: 10.1007/s10707-023-00498-1 Early Access Date: APR 2023

4.

Title: GAEC 5 Direct Payment System Implementation Challenges in Slovakia

Author(s): Pipiskova, P (Pipiskova, Petra); Muchova, Z (Muchova, Zlatica); Dezericky, D (Dezericky, David); Michal, P (Michal, Peter)  
Source: JOURNAL OF ECOLOGICAL ENGINEERING Volume: 24 Issue: 6 Pages: 109-118 DOI: 10.12911/22998993/162591 Published: 2023

5.

Title: A Quantitative Assessment of LIDAR Data Accuracy  
Author(s): Elaksher, A (Elaksher, Ahmed); Ali, T (Ali, Tarig); Alharthy, A (Alharthy, Abdullatif)  
Source: REMOTE SENSING Volume: 15 Issue: 2 Article Number: 442 DOI: 10.3390/rs15020442 Published: JAN 2023

6.

Title: Determining changes in building tilts based on UAV photogrammetry  
Author(s): Strzabala, K (Strzabala, Katarzyna); Cwiakala, P (Cwiakala, Pawel); Gruszczynski, W (Gruszczynski, Wojciech); Puniach, E (Puniach, Edyta); Matwuj, W (Matwuj, Wojciech)  
Source: MEASUREMENT Volume: 202 Article Number: 111772 DOI: 10.1016/j.measurement.2022.111772 Early Access Date: AUG 2022 Published: OCT 2022

7.

Title: Strengthening the Mitigation of Climate Change Impacts in Slovakia through the Disaggregation of Cultural Landscapes  
Author(s): Rybarova, J (Rybarova, Jana); Gabaniova, L (Gabaniova, L'ubomira); Bednarova, L (Bednarova, Lucia); Rybar, R (Rybar, Radim); Beer, M (Beer, Martin)  
Source: PROCESSES Volume: 10 Issue: 4 Article Number: 658 DOI: 10.3390/pr10040658 Published: APR 2022

8.

Title: The accident rate in Polish mining. Current status and forecast  
Author(s): Gajdzik, B (Gajdzik, Bozena); Sujova, E (Sujova, Erika); Malysa, T (Malysa, Tomasz); Bialy, W (Bialy, Witold)  
Source: ACTA MONTANISTICA SLOVACA Volume: 27 Issue: 3 Pages: 620-634 DOI: 10.46544/AMS.v27i3.05 Published: 2022

9.

Title: Observations of the oil-polluted soil of Absheron Peninsula using Landsat 8 OLI and Sentinel 2A imagery  
Author(s): Hashimov, S (Hashimov, Saddam); Zawadzki, J (Zawadzki, Jaroslaw)  
Source: ACTA MONTANISTICA SLOVACA Volume: 27 Issue: 3 Pages: 607-619 DOI: 10.46544/AMS.v27i3.04 Published: 2022

10.

Title: Applying CFD Model Studies to Determine Zones at Risk of Methane Explosion and Spontaneous Combustion of Coal in Goaves  
Author(s): Tutak, M (Tutak, Magdalena); Brodny, J (Brodny, Jaroslaw); Galecki, G (Galecki, Greg)  
Source: ACTA MONTANISTICA SLOVACA Volume: 27 Issue: 3 Pages: 651-666 DOI: 10.46544/AMS.v27i3.07 Published: 2022

11.

Title: Application of Fixed-Wing UAV-Based Photogrammetry Data for Snow Depth Mapping in Alpine Conditions

Author(s): Masny, M (Masny, Matej); Weis, K (Weis, Karol); Biskupic, M (Biskupic, Marek)

Source: DRONES Volume: 5 Issue: 4 Article Number: 114 DOI: 10.3390/drones5040114

Published: DEC 2021

12.

Title: Applicability of Data Acquisition Characteristics to the Identification of Local Artefacts in Global Digital Elevation Models: Comparison of the Copernicus and TanDEM-X DEMs

Author(s): Maresova, J (Maresova, Jana); Gdulova, K (Gdulova, Katerina); Pracna, P (Pracna, Petra); Moravec, D (Moravec, David); Gabor, L (Gabor, Lukas); Prosek, J (Prosek, Jiri);

Bartak, V (Bartak, Vojtech); Moudry, V (Moudry, Vitezslav)

Source: REMOTE SENSING Volume: 13 Issue: 19 Article Number: 3931 DOI:

10.3390/rs13193931 Published: OCT 2021

13.

Title: UAV Photogrammetry under Poor Lighting Conditions-Accuracy Considerations

Author(s): Burdziakowski, P (Burdziakowski, Pawel); Bobkowska, K (Bobkowska, Katarzyna)

Source: SENSORS Volume: 21 Issue: 10 Article Number: 3531 DOI: 10.3390/s21103531

Published: MAY 2021

14.

Title: INVESTIGATING THE APPLICABILITY OF UNMANNED AERIAL VEHICLES (UAV) PHOTOGRAMMETRY FOR THE ESTIMATION OF THE VOLUME OF STOCKPILES

Author(s): Ajayi, OG (Ajayi, Oluibukun Gbenga); Ajulo, J (Ajulo, John)

Source: QUAESTIONES GEOGRAPHICAE Volume: 40 Issue: 1 Pages: 25-38 DOI:

10.2478/quageo-2021-0002 Published: MAR 2021

15.

Title: A New Approach for Identification of Potential Rockfall Source Areas Controlled by Rock Mass Strength at a Regional Scale

Author(s): Wang, XL (Wang, Xueliang); Liu, HY (Liu, Haiyang); Sun, JJ (Sun, Juanjuan)

Source: REMOTE SENSING Volume: 13 Issue: 5 Article Number: 938 DOI:

10.3390/rs13050938 Published: MAR 2021

16.

Title: Structural and Geometrical Vegetation Filtering - Case Study on Mining Area Point Cloud Acquired by UAV Lidar

Author(s): Braun, J (Braun, Jaroslav); Braunova, H (Braunova, Hana); Suk, T (Suk, Tomas); Michal, O (Michal, Ondrej); Petovsky, P (Petovsky, Patrik); Kuric, I (Kuric, Ivan)

Source: ACTA MONTANISTICA SLOVACA Volume: 26 Issue: 4 Pages: 661-674 DOI:

10.46544/AMS.v26i4.06 Published: 2021

## CITOVANÁ PUBLIKÁCIA:

### **Title: TLS and SfM Approach for Bulk Density Determination of Excavated Heterogeneous Raw Materials**

By: Blistan, P (Blistan, Peter); Jacko, S (Jacko, Stanislav); Kovanic, L (Kovanic, L'udovit); Kondela, J (Kondela, Julian); Pukanska, K (Pukanska, Katarina); Bartos, K (Bartos, Karol)

Source: MINERALS

Volume: 10 Issue: 2 Article Number: 174 Published: FEB 2020

DOI: 10.3390/min10020174

Document Type: Article

eISSN: 2075-163X

Accession Number: WOS:000522452900089

## CITÁCIE: (16)

1.

Title: Stockpile Volume Estimation in Open and Confined Environments: A Review

Author(s): Alsayed, A (Alsayed, Ahmad); Nabawy, MRA (Nabawy, Mostafa R. A.)

Source: DRONES Volume: 7 Issue: 8 Article Number: 537 DOI: 10.3390/drones7080537

Published: AUG 2023

2.

Title: Accuracy of UAV-based DEMs without ground control points

Author(s): Szypula, B (Szypula, Bartlomiej)

Source: GEOINFORMATICA DOI: 10.1007/s10707-023-00498-1 Early Access Date: APR 2023

3.

Title: Accuracy assessment of RTK/PPK UAV-photogrammetry projects using differential corrections from multiple GNSS fixed base stations

Author(s): Martinez-Carricondo, P (Martinez-Carricondo, Patricio); Aguera-Vega, F (Aguera-Vega, Francisco); Carvajal-Ramirez, F (Carvajal-Ramirez, Fernando)

Source: GEOCATO INTERNATIONAL Volume: 38 Issue: 1 Article Number: 2197507

DOI: 10.1080/10106049.2023.2197507 Published: MAR 30 2023

4.

Title: Bridge Non-Destructive Measurements Using a Laser Scanning during Acceptance Testing: Case Study

Author(s): Tysiac, P (Tysiac, Pawel); Miskiewicz, M (Miskiewicz, Mikolaj); Bruski, D (Bruski, Dawid)

Source: MATERIALS Volume: 15 Issue: 23 Article Number: 8533 DOI: 10.3390/ma15238533 Published: DEC 2022

5.

Title: Mining Industry 4.0-Opportunities and Barriers

Author(s): Ulewicz, R (Ulewicz, Robert); Krstic, B (Krstic, Bozidar); Ingaldi, M (Ingaldi, Manuela)

Source: ACTA MONTANISTICA SLOVACA Volume: 27 Issue: 2 Pages: 291-305 DOI: 10.46544/AMS.v27i2.02 Published: 2022

6.

Title: A Sliding System Based on Single-Pulse Scanner and Rangefinder for Pile Inventory  
Author(s): Xu, ZH (Xu, Zhihua); Lu, XZ (Lu, Xingzheng); Xu, E (Xu, Ershuai); Xia, L (Xia, Lin)

Source: IEEE GEOSCIENCE AND REMOTE SENSING LETTERS Volume: 19 Article Number: 7003605 DOI: 10.1109/LGRS.2022.3155567 Published: 2022

7.

Title: Photogrammetry (SfM) vs. Terrestrial Laser Scanning (TLS) for Archaeological Excavations: Mosaic of Cantillana (Spain) as a Case Study

Author(s): Marin-Buzon, C (Marin-Buzon, Carmen); Perez-Romero, AM (Perez-Romero, Antonio Miguel); Leon-Bonillo, MJ (Leon-Bonillo, Manuel J.); Martinez-Alvarez, R (Martinez-Alvarez, Ruben); Mejias-Garcia, JC (Mejias-Garcia, Juan Carlos); Manzano-Agugliaro, F (Manzano-Agugliaro, Francisco)

Source: APPLIED SCIENCES-BASEL Volume: 11 Issue: 24 Article Number: 11994 DOI: 10.3390/app112411994 Published: DEC 2021

8.

Title: A New Method for UAV Lidar Precision Testing Used for the Evaluation of an Affordable DJI ZENMUSE L1 Scanner

Author(s): Stroner, M (Stroner, Martin); Urban, R (Urban, Rudolf); Linkova, L (Linkova, Lenka)

Source: REMOTE SENSING Volume: 13 Issue: 23 Article Number: 4811 DOI: 10.3390/rs13234811 Published: DEC 2021

9.

Title: Mineralogical and physical studies of low-grade tantalum-tin ores from selected areas of Rwanda

Author(s): Habinshuti, JB (Habinshuti, Jean Baptiste); Munganyinka, JP (Munganyinka, Jeanne Pauline); Adetunji, AR (Adetunji, Adelen R.); Mishra, B (Mishra, Brajendra); Ofori-Sarpong, G (Ofori-Sarpong, Grace); Komadja, GC (Komadja, Gbetoglo Charles); Tanvar, H (Tanvar, Himanshu); Mukiza, J (Mukiza, Janvier); Onwualu, AP (Onwualu, Azikiwe P.)

Source: RESULTS IN ENGINEERING Volume: 11 Article Number: 100248 DOI: 10.1016/j.rineng.2021.100248 Early Access Date: JUL 2021 Published: SEP 2021

10.

Title: Perlite deposits of the Central Slovakia Volcanic Field (Western Carpathians): Geology and properties

Author(s): Lexa, J (Lexa, Jaroslav); Varga, P (Varga, Peter); Uhlik, P (Uhlik, Peter); Kodera, P (Kodera, Peter); Biron, A (Biron, Adrian); Rajnoha, M (Rajnoha, Michal)

Source: GEOLOGICA CARPATHICA Volume: 72 Issue: 3 Pages: 253-281 DOI: 10.31577/GeolCarp.72.3.5 Published: JUN 2021

11.

Title: Photogrammetry Using UAV-Mounted GNSS RTK: Georeferencing Strategies without GCPs

Author(s): Stroner, M (Stroner, Martin); Urban, R (Urban, Rudolf); Seidl, J (Seidl, Jan); Reindl, T (Reindl, Tomas); Broucek, J (Broucek, Josef)  
Source: REMOTE SENSING Volume: 13 Issue: 7 Article Number: 1336 DOI: 10.3390/rs13071336 Published: APR 2021

12.

Title: INVESTIGATING THE APPLICABILITY OF UNMANNED AERIAL VEHICLES (UAV) PHOTOGRAMMETRY FOR THE ESTIMATION OF THE VOLUME OF STOCKPILES

Author(s): Ajayi, OG (Ajayi, Oluibukun Gbenga); Ajulo, J (Ajulo, John)  
Source: QUAESTIONES GEOGRAPHICAE Volume: 40 Issue: 1 Pages: 25-38 DOI: 10.2478/quageo-2021-0002 Published: MAR 2021

13.

Title: Structural and Geometrical Vegetation Filtering - Case Study on Mining Area Point Cloud Acquired by UAV Lidar

Author(s): Braun, J (Braun, Jaroslav); Braunova, H (Braunova, Hana); Suk, T (Suk, Tomas); Michal, O (Michal, Ondrej); Petovsky, P (Petovsky, Patrik); Kuric, I (Kuric, Ivan)  
Source: ACTA MONTANISTICA SLOVACA Volume: 26 Issue: 4 Pages: 661-674 DOI: 10.46544/AMS.v26i4.06 Published: 2021

14.

Title: Different Paths for Developing Terrestrial LiDAR Data for Comparative Analyses of Topographic Surface Changes

Author(s): Kociuba, W (Kociuba, Waldemar)  
Source: APPLIED SCIENCES-BASEL Volume: 10 Issue: 21 Article Number: 7409 DOI: 10.3390/app10217409 Published: NOV 2020

15.

Title: Possibilities of Uranium Deposit Kuriskova Mining and Its Influence on the Energy Potential of Slovakia from Own Resources

Author(s): Sofranko, M (Sofranko, Marian); Khouri, S (Khouri, Samer); Vegsoova, O (Vegsoova, Olga); Kacmary, P (Kacmary, Peter); Mudarri, T (Mudarri, Tawfik); Koncek, M (Koncek, Martin); Tyulenev, M (Tyulenev, Maxim); Simkova, Z (Simkova, Zuzana)  
Source: ENERGIES Volume: 13 Issue: 16 Article Number: 4209 DOI: 10.3390/en13164209 Published: AUG 2020

16.

Title: The use of onboard UAV GNSS navigation data for area and volume calculation

Author(s): Urban, R (Urban, Rudolf); Stroner, M (Stroner, Martin); Kuric, I (Kuric, Ivan)  
Source: ACTA MONTANISTICA SLOVACA Volume: 25 Issue: 3 Pages: 361-374 DOI: 10.46544/AMS.v25i3.9 Published: 2020

## **CITOVANÁ PUBLIKÁCIA:**

**Title: Surveying and High-Resolution Topography of the Ochtina Aragonite Cave Based on TLS and Digital Photogrammetry**

By: Pukanska, K (Pukanska, Katarina); Bartos, K (Bartos, Karol); Bella, P (Bella, Pavel); Gasinec, J (Gasinec, Juraj); Blistan, P (Blistan, Peter); Kovanic, L (Kovanic, Ludovit)

Source: APPLIED SCIENCES-BASEL

Volume: 10 Issue: 13 Article Number: 4633 Published: JUL 2020

DOI: 10.3390/app10134633

Document Type: Article

eISSN: 2076-3417

Accession Number: WOS:000550477400001

## **CITÁCIE: (10)**

1.

Title: 3D data integration for geo-located cave mapping based on unmanned aerial vehicle and terrestrial laser scanner data

Author(s): Comert, R (Comert, Resul); Ozdemir, S (Ozdemir, Samed); Bilgilioglu, BB (Bilgilioglu, Burhan Baha); Alemdag, S (Alemdag, Selcuk); Zeybek, HI (Zeybek, Halil Ibrahim)

Source: BALTICA Volume: 36 Issue: 1 Pages: 37-50 DOI: 10.5200/baltica.2023.1.4

Published: JUN 2023

2.

Title: Photogrammetry, from the Land to the Sea and Beyond: A Unifying Approach to Study Terrestrial and Marine Environments

Author(s): Mantas, TP (Mantas, Torcuato Pulido); Roveta, C (Roveta, Camilla); Calcinai, B (Calcinai, Barbara); di Camillo, CG (di Camillo, Cristina Gioia); Gambardella, C (Gambardella, Chiara); Gregorin, C (Gregorin, Chiara); Coppari, M (Coppari, Martina); Marrocco, T (Marrocco, Teo); Puce, S (Puce, Stefania); Riccardi, A (Riccardi, Agnese); Cerrano, C (Cerrano, Carlo)

Source: JOURNAL OF MARINE SCIENCE AND ENGINEERING Volume: 11 Issue: 4

Article Number: 759 DOI: 10.3390/jmse11040759 Published: APR 2023

3.

Title: Application of photogrammetry and in-situ test technology in the stability evaluation of gangue dump slope

Author(s): Liu, H (Liu, Han); Jisen, S (Jisen, Shu); Tovele, GSV (Tovele, Gerson S. V.); Tao, C (Tao, Chen); Shuzhao, C (Shuzhao, Chen); Mawugnon, BK (Mawugnon, Broohm Kote); Peng, L (Peng, Liu)

Source: BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT

Volume: 82 Issue: 1 Article Number: 2 DOI: 10.1007/s10064-022-02994-4 Published: JAN 2023

4.

Title: MOLISENS: MOBILE LIDAR SENSOR SYSTEM TO EXPLOIT THE POTENTIAL OF SMALL INDUSTRIAL LIDAR DEVICES FOR GEOSCIENTIFIC APPLICATIONS

Author(s): Goelles, T (Goelles, Thomas); Hammer, T (Hammer, Tobias); Muckenhuber, S (Muckenhuber, Stefan); Schlager, B (Schlager, Birgit); Abermann, J (Abermann, Jakob); Bauer, C (Bauer, Christian); Jimenez, VJE (Exposito Jimenez, Victor J.); Schoner, W



(Schoener, Wolfgang); Schratte, M (Schratter, Markus); Schrei, B (Schrei, Benjamin); Senger, K (Senger, Kim)  
Source: GEOSCIENTIFIC INSTRUMENTATION METHODS AND DATA SYSTEMS  
Volume: 11 Issue: 2 Pages: 247-261 DOI: 10.5194/gi-11-247-2022 Published: AUG 2 2022

5.

Title: Using color-only vegetation indexes to remove vegetation from otherwise mostly mono-material point clouds  
Author(s): Stroner, M (Stroner, Martin); Urban, R (Urban, Rudolf); Suk, T (Suk, Tomas); Kolar, V (Kolar, Vilem)  
Source: ACTA MONTANISTICA SLOVACA Volume: 27 Issue: 4 Pages: 1089-1101  
DOI: 10.46544/AMS.v27i4.20 Published: 2022

6.

Title: A New Method for UAV Lidar Precision Testing Used for the Evaluation of an Affordable DJI ZENMUSE L1 Scanner  
Author(s): Stroner, M (Stroner, Martin); Urban, R (Urban, Rudolf); Linkova, L (Linkova, Lenka)  
Source: REMOTE SENSING Volume: 13 Issue: 23 Article Number: 4811 DOI: 10.3390/rs13234811 Published: DEC 2021

7.

Title: Vegetation Filtering of a Steep Rugged Terrain: The Performance of Standard Algorithms and a Newly Proposed Workflow on an Example of a Railway Ledge  
Author(s): Stroner, M (Stroner, Martin); Urban, R (Urban, Rudolf); Lidmila, M (Lidmila, Martin); Kolar, V (Kolar, Vilem); Kremen, T (Kremen, Tomas)  
Source: REMOTE SENSING Volume: 13 Issue: 15 Article Number: 3050 DOI: 10.3390/rs13153050 Published: AUG 2021

8.

Title: Survey Solutions for 3D Acquisition and Representation of Artificial and Natural Caves  
Author(s): Giordan, D (Giordan, Daniele); Godone, D (Godone, Danilo); Baldo, M (Baldo, Marco); Piras, M (Piras, Marco); Grasso, N (Grasso, Nives); Zerbetto, R (Zerbetto, Raffaella)  
Source: APPLIED SCIENCES-BASEL Volume: 11 Issue: 14 Article Number: 6482 DOI: 10.3390/app11146482 Published: JUL 2021

9.

Title: Structural and Geometrical Vegetation Filtering - Case Study on Mining Area Point Cloud Acquired by UAV Lidar  
Author(s): Braun, J (Braun, Jaroslav); Braunova, H (Braunova, Hana); Suk, T (Suk, Tomas); Michal, O (Michal, Ondrej); Petovsky, P (Petovsky, Patrik); Kuric, I (Kuric, Ivan)  
Source: ACTA MONTANISTICA SLOVACA Volume: 26 Issue: 4 Pages: 661-674 DOI: 10.46544/AMS.v26i4.06 Published: 2021

10.

Title: The use of onboard UAV GNSS navigation data for area and volume calculation  
Author(s): Urban, R (Urban, Rudolf); Stroner, M (Stroner, Martin); Kuric, I (Kuric, Ivan)  
Source: ACTA MONTANISTICA SLOVACA Volume: 25 Issue: 3 Pages: 361-374 DOI: 10.46544/AMS.v25i3.9 Published: 2020

## **CITOVANÁ PUBLIKÁCIA:**

### **Title: Analytical Determination of Geometric Parameters of the Rotary Kiln by Novel Approach of TLS Point Cloud Segmentation**

By: Kovanic, L (Kovanic, L'udovit); Blistan, P (Blistan, Peter); Urban, R (Urban, Rudolf); Stroner, M (Stroner, Martin); Pukanska, K (Pukanska, Katarina); Bartos, K (Bartos, Karol); Palkova, J (Palkova, Jana)

Source: APPLIED SCIENCES-BASEL

Volume: 10 Issue: 21 Article Number: 7652 Published: NOV 2020

DOI: 10.3390/app10217652

eISSN: 2076-3417

Accession Number: WOS:000588989000001

## **CITÁCIE: (12)**

1.

Title: Remarks on Geomatics Measurement Methods Focused on Forestry Inventory

Author(s): Pavelka, K (Pavelka, Karel); Matouskova, E (Matouskova, Eva); Pavelka, K (Pavelka Jr, Karel)

Source: SENSORS Volume: 23 Issue: 17 Article Number: 7376 DOI: 10.3390/s23177376

Published: SEP 2023

2.

Title: Verification of Building Structures Using Point Clouds and Building Information Models

Author(s): Erdelyi, J (Erdelyi, Jan); Honti, R (Honti, Richard); Funtik, T (Funtik, Tomas); Mayer, P (Mayer, Pavol); Madiev, A (Madiev, Aset)

Source: BUILDINGS Volume: 12 Issue: 12 Article Number: 2218 DOI: 10.3390/buildings12122218 Published: DEC 2022

3.

Title: A dynamic model of a longwall shearer with a chain haulage system

Author(s): Boloz, L (Boloz, Lukasz)

Source: ACTA MONTANISTICA SLOVACA Volume: 27 Issue: 3 Pages: 589-606 DOI: 10.46544/AMS.v27i3.03 Published: 2022

4.

Title: Increasing the efficiency of operating time and reducing maintenance time of transport systems br

Author(s): Ivanova, TN (Ivanova, Tanyana Nikolaevna); Kuric, I (Kuric, Ivan); Korshunov, AI (Korshunov, Aleksander Ivanovich); Koretckiy, VP (Koretckiy, Vladimir Pavlovich)

Source: ACTA MONTANISTICA SLOVACA Volume: 27 Issue: 3 Pages: 723-736 DOI: 10.46544/AMS.v27i3.12 Published: 2022

5.

Title: Maintenance management of large-size rolling bearings in heavy-duty machinery

Author(s): Krynke, M (Krynke, Marek); Knop, K (Knop, Krzysztof); Mazur, M (Mazur, Magdalena)

Source: ACTA MONTANISTICA SLOVACA Volume: 27 Issue: 2 Pages: 327-341 DOI: 10.46544/AMS.v27i2.04 Published: 2022

6.

Title: Impact of Managerial Skills on Innovative Projects' Management Processes in the Domain of Mining Machines

Author(s): Malec, M (Malec, Malgorzata); Stanczak, L (Stanczak, Lilianna)

Source: ACTA MONTANISTICA SLOVACA Volume: 27 Issue: 2 Pages: 430-445 DOI: 10.46544/AMS.v27i2.12 Published: 2022

7.

Title: Wall Structure Geometry Verification Using TLS Data and BIM Model

Author(s): Bariczova, G (Bariczova, Gabriela); Erdelyi, J (Erdelyi, Jan); Honti, R (Honti, Richard); Tomek, L (Tomek, Lukas)

Source: APPLIED SCIENCES-BASEL Volume: 11 Issue: 24 Article Number: 11804 DOI: 10.3390/app112411804 Published: DEC 2021

8.

Title: Semantic interpretation of architectural and archaeological geometries: Point cloud segmentation for HBIM parameterisation

Author(s): Moyano, J (Moyano, Juan); Leon, J (Leon, Javier); Nieto-Julian, JE (Nieto-Julian, Juan E.); Bruno, S (Bruno, Silvana)

Source: AUTOMATION IN CONSTRUCTION Volume: 130 Article Number: 103856 DOI: 10.1016/j.autcon.2021.103856 Early Access Date: AUG 2021 Published: OCT 2021

9.

Title: Spatial Modelling in Environmental Analysis and Civil Engineering

Author(s): Janowski, A (Janowski, Artur); Szulwic, J (Szulwic, Jakub); Tysiac, P (Tysiac, Pawel)

Source: APPLIED SCIENCES-BASEL Volume: 11 Issue: 9 Article Number: 3945 DOI: 10.3390/app11093945 Published: MAY 2021

10.

Title: Geodetic monitoring of deformations of engineering structures

Author(s): Urazbaev, GM (Urazbaev, G. M.); Altayeva, AA (Altayeva, A. A.); Kozhayev, ZT (Kozhayev, Zh T.); Mustafin, MG (Mustafin, M. G.)

Source: KOMPLEKSNOE ISPOLZOVANIE MINERALNOGO SYRA Issue: 2 Pages: 69-77 DOI: 10.31643/2021/6445.20 Published: APR-JUN 2021

11.

Title: Structural and Geometrical Vegetation Filtering - Case Study on Mining Area Point Cloud Acquired by UAV Lidar

Author(s): Braun, J (Braun, Jaroslav); Braunova, H (Braunova, Hana); Suk, T (Suk, Tomas); Michal, O (Michal, Ondrej); Petovsky, P (Petovsky, Patrik); Kuric, I (Kuric, Ivan)

Source: ACTA MONTANISTICA SLOVACA Volume: 26 Issue: 4 Pages: 661-674 DOI: 10.46544/AMS.v26i4.06 Published: 2021

12.

Title: Spatial Data Analysis for Deformation Monitoring of Bridge Structures  
Author(s): Erdelyi, J (Erdelyi, Jan); Kopacik, A (Kopacik, Alojz); Kyrinovic, P (Kyrinovic, Peter)  
Source: APPLIED SCIENCES-BASEL Volume: 10 Issue: 23 Article Number: 8731 DOI: 10.3390/app10238731 Published: DEC 2020

### **CITOVANÁ PUBLIKÁCIA:**

#### **Title: Modelling the Surface of Racing Vessel's Hull by Laser Scanning and Digital Photogrammetry**

By: Bartos, K (Bartos, Karol); Pukanska, K (Pukanska, Katarina); Repan, P (Repan, Peter); Ksenak, L (Ksenak, Lubomir); Sabova, J (Sabova, Janka)

Source: REMOTE SENSING  
Volume: 11 Issue: 13 Article Number: 1526 Published: JUL 1 2019  
DOI: 10.3390/rs11131526  
ISSN: 2072-4292  
Accession Number: WOS:000477049000019

### **CITÁCIE: (10)**

1.

Title: A Novel Ship-Height Measurement System Based on Optical Axes Collinear Stereo Vision  
Author(s): Zeng, F (Zeng, Feier); Xiao, CS (Xiao, Changshi); Wang, WL (Wang, Wenlong); Gan, LX (Gan, Langxiong); Yuan, HW (Yuan, Haiwen); Li, QL (Li, Qiliang)  
Source: IEEE SENSORS JOURNAL Volume: 23 Issue: 6 Pages: 6282-6291 DOI: 10.1109/JSEN.2023.3240822 Published: MAR 15 2023

2.

Title: A Novel Ship-Height Measurement System Based on Optical Axes Collinear Stereo Vision  
Author(s): Zeng, FE (Zeng, Feier); Xiao, CS (Xiao, Changshi); Wang, WL (Wang, Wenlong); Gan, LX (Gan, Langxiong); Yuan, HW (Yuan, Haiwen); Li, QL (Li, Qiliang)  
Source: IEEE SENSORS JOURNAL Volume: 23 Issue: 6 Pages: 6282-6291 DOI: 10.1109/JSEN.2023.3240822 Published: MAR 15 2023

3.

Title: Photogrammetric Documentation of Stone Surface Topography Changes as a Tool in Conservation Praxis  
Author(s): Hodac, J (Hodac, Jindrich); Kovarova, K (Kovarova, Katerina); Cihla, M (Cihla, Michal); Matouskova, E (Matouskova, Eva); Frommeltova, E (Frommeltova, Eva)  
Source: BUILDINGS Volume: 13 Issue: 2 Article Number: 439 DOI: 10.3390/buildings13020439 Published: FEB 2023

4.

Title: Expeditious Low-Cost SfM Photogrammetry and a TLS Survey for the Structural Analysis of Illasi Castle (Italy)  
Author(s): Fabris, M (Fabris, Massimo); Granotto, PF (Granotto, Pietro Fontana); Monego, M (Monego, Michele)  
Source: DRONES Volume: 7 Issue: 2 Article Number: 101 DOI: 10.3390/drones7020101  
Published: FEB 2023

5.

Title: Strengthening the Mitigation of Climate Change Impacts in Slovakia through the Disaggregation of Cultural Landscapes  
Author(s): Rybarova, J (Rybarova, Jana); Gabaniova, L (Gabaniova, L'ubomira); Bednarova, L (Bednarova, Lucia); Rybar, R (Rybar, Radim); Beer, M (Beer, Martin)  
Source: PROCESSES Volume: 10 Issue: 4 Article Number: 658 DOI: 10.3390/pr10040658  
Published: APR 2022

6.

Title: Laser Scanning Ship Hulls to Support Hydrodynamic Simulations  
Author(s): Lovas, T (Lovas, Tamas); Somogyi, AJ (Somogyi, Arpad Jozsef); Simongati, G (Simongati, Gyozo)  
Source: PERIODICA POLYTECHNICA-CIVIL ENGINEERING Volume: 66 Issue: 1  
Pages: 291-297 DOI: 10.3311/PPci.19353 Early Access Date: DEC 2021 Published: 2022

7.

Title: Videogrammetric Verification of Accuracy of Wearable Sensors Used in Kiteboarding  
Author(s): Marcis, M (Marcis, Marian); Frastia, M (Frastia, Marek); Hideghety, A (Hideghety, Andrej); Paulik, P (Paulik, Peter)  
Source: SENSORS Volume: 21 Issue: 24 Article Number: 8353 DOI: 10.3390/s21248353  
Published: DEC 2021

8.

Title: UAS RTK / PPK photogrammetry as a tool for mapping the urbanized landscape, creating thematic maps, situation plans and DEM  
Author(s): Kovanic, L (Kovanic, Ludovit); Blistan, P (Blistan, Peter); Rozloznic, M (Rozloznic, Michal); Szabo, G (Szabo, Gergely)  
Source: ACTA MONTANISTICA SLOVACA Volume: 26 Issue: 4 Pages: 649-660 DOI: 10.46544/AMS.v26i4.05 Published: 2021

9.

Title: Comparison of 2.5D Volume Calculation Methods and Software Solutions Using Point Clouds Scanned Before and After Mining  
Author(s): Stroner, M (Stroner, Martin); Kremen, T (Kremen, Tomas); Braun, J (Braun, Jaroslav); Urban, R (Urban, Rudolf); Blistan, P (Blistan, Peter); Kovanic, L (Kovanic, Ludovit)  
Source: ACTA MONTANISTICA SLOVACA Volume: 24 Issue: 4 Pages: 296-306  
Published: 2019

10.

Title: Evaluation quality parameters of DEM generated with low-cost UAV photogrammetry and Structure-from-Motion (SfM) approach for topographic surveying of small areas

Author(s): Blistan, P (Blistan, Peter); Kovanic, L (Kovanic, L'udovit); Patera, M (Patera, Matej); Hurcik, T (Hurcik, Tomas)  
Source: ACTA MONTANISTICA SLOVACA Volume: 24 Issue: 3 Pages: 198-212  
Published: 2019

### **CITOVANÁ PUBLIKÁCIA:**

**Title: Comparison of Survey Results of the Surface Quarry Spisske Tomasovce by the Use of Photogrammetry and Terrestrial Laser Scanning**

By: Pukanska, K (Pukanska, Katarina); Bartos, K (Bartos, Karol); Sabova, J (Sabova, Janka)

Source: INZYNIERIA MINERALNA-JOURNAL OF THE POLISH MINERAL ENGINEERING SOCIETY

Issue: 1 Pages: 47-54 Document Type: Article Published: JAN-JUN 2014

ISSN: 1640-4920

Accession Number: WOS:000409667300007

### **CITÁCIE: (10)**

1.

Title: Suitability of Aerial Photogrammetry for Dump Documentation and Volume Determination in Large Areas

Author(s): Kovanic, L (Kovanic, Ludovit); Blistan, P (Blistan, Peter); Stroner, M (Stroner, Martin); Urban, R (Urban, Rudolf); Blistanova, M (Blistanova, Monika)

Source: APPLIED SCIENCES-BASEL Volume: 11 Issue: 14 Article Number: 6564 DOI: 10.3390/app11146564 Published: JUL 2021

2.

Title: Investigation and mapping of the temporary dynamics of the highest Lithuanian outcrop using ground-based measurements and UAV imagery

Author(s): Bautrenas, A (Bautrenas, Arturas); Cesnulevicius, A (Cesnulevicius, Algimantas); Morkunaite, R (Morkunaite, Regina); Bevainis, L (Bevainis, Linas); Kumetaitiene, A (Kumetaitiene, Ausra); Ovodas, D (Ovodas, Donatas); Maciuleviciute-Turliene, N (Maciuleviciute-Turliene, Neringa); Sutiniene, L (Sutiniene, Loreta); Karaliunas, V (Karaliunas, Viktoras); Baubiniene, A (Baubiniene, Aldona); Bauziene, I (Bauziene, Ieva)

Source: BALTICA Volume: 34 Issue: 1 Pages: 108-122 DOI: 10.5200/baltica.2021.1.9  
Published: 2021

3.

Title: The use of onboard UAV GNSS navigation data for area and volume calculation

Author(s): Urban, R (Urban, Rudolf); Stroner, M (Stroner, Martin); Kuric, I (Kuric, Ivan)

Source: ACTA MONTANISTICA SLOVACA Volume: 25 Issue: 3 Pages: 361-374 DOI: 10.46544/AMS.v25i3.9 Published: 2020

4.

Title: Comparison of a commercial and home-assembled fixed-wing UAV for terrain mapping of a post-mining site under leaf-off conditions

Author(s): Moudry, V (Moudry, Vitezslav); Urban, R (Urban, Rudolf); Stroner, M (Stroner, Martin); Komarek, J (Komarek, Jan); Broucek, J (Broucek, Josef); Prosek, J (Prosek, Jiri)  
Source: INTERNATIONAL JOURNAL OF REMOTE SENSING Volume: 40 Issue: 2  
Pages: 555-572 DOI: 10.1080/01431161.2018.1516311 Published: JAN 17 2019

5.

Title: Comparison of 2.5D Volume Calculation Methods and Software Solutions Using Point Clouds Scanned Before and After Mining

Author(s): Stroner, M (Stroner, Martin); Kremen, T (Kremen, Tomas); Braun, J (Braun, Jaroslav); Urban, R (Urban, Rudolf); Blistan, P (Blistan, Peter); Kovanic, L (Kovanic, Ludovit)

Source: ACTA MONTANISTICA SLOVACA Volume: 24 Issue: 4 Pages: 296-306  
Published: 2019

6.

Title: Evaluation quality parameters of DEM generated with low-cost UAV photogrammetry and Structure-from-Motion (SfM) approach for topographic surveying of small areas

Author(s): Blistan, P (Blistan, Peter); Kovanic, L (Kovanic, L'udovit); Patera, M (Patera, Matej); Hurcik, T (Hurcik, Tomas)

Source: ACTA MONTANISTICA SLOVACA Volume: 24 Issue: 3 Pages: 198-212  
Published: 2019

7.

Title: New Perspectives for UAV-Based Modelling the Roman Gold Mining Infrastructure in NW Spain

Author(s): Fernandez-Lozano, J (Fernandez-Lozano, Javier); Gonzalez-Diez, A (Gonzalez-Diez, Alberto); Gutierrez-Alonso, G (Gutierrez-Alonso, Gabriel); Carrasco, RM (Carrasco, Rosa M.); Pedraza, J (Pedraza, Javier); Garcia-Talegon, J (Garcia-Talegon, Jacinta); Alonso-Gavilan, G (Alonso-Gavilan, Gaspar); Remondo, J (Remondo, Juan); Bonachea, J (Bonachea, Jaime); Morellon, M (Morellon, Mario)

Source: MINERALS Volume: 8 Issue: 11 Article Number: 518 DOI: 10.3390/min8110518  
Published: NOV 2018

8.

Title: A novel approach to estimate systematic and random error of terrain derived from UAVs: a case study from a post-mining site

Author(s): Urban, R (Urban, Rudolf); Stroner, M (Stroner, Martin); Kremen, T (Kremen, Tomas); Braun, J (Braun, Jaroslav); Moser, M (Moeser, Michael)

Source: ACTA MONTANISTICA SLOVACA Volume: 23 Issue: 3 Pages: 325-336  
Published: 2018

9.

Title: VERIFICATION OF USABILITY OF LOW-COST UAV PHOTOGRAMMETRY IN COMPARISON WITH CLOSE-RANGE PHOTOGRAMMETRY IN THE CONTEXT OF DOCUMENTATION OF EARTH'S SURFACE

Author(s): Blistan, P (Blistan, Peter); Kovanic, L (Kovanic, L'udovit)

Edited by: Adameczyk T; Debinska E

Source: GEOGRAPHIC INFORMATION SYSTEMS CONFERENCE AND EXHIBITION (GIS ODYSSEY 2017) Pages: 43-51 Published: 2017

Conference Title: Geographic Information Systems Conference and Exhibition (GIS ODYSSEY)

Conference Date: SEP 04-08, 2017

Conference Location: Trento, ITALY

10.

Title: Using UAV photogrammetry to document rock outcrops

Author(s): Blistan, P (Blistan, Peter); Kovanic, L (Kovanic, Ludovit); Zeliznakova, V (Zeliznakova, Vladislava); Palkova, J (Palkova, Jana)

Source: ACTA MONTANISTICA SLOVACA Volume: 21 Issue: 2 Pages: 154-161

Published: 2016

### **CITOVANÁ PUBLIKÁCIA:**

**Title: Assessment of the Usability of SAR and Optical Satellite Data for Monitoring Spatio-Temporal Changes in Surface Water: Bodrog River Case Study**

By: Ksenak, L (Ksenak, L'ubomir); Pukanska, K (Pukanska, Katarina); Bartos, K (Bartos, Karol); Blistan, P (Blistan, Peter)

Source: WATER

Volume: 14 Issue: 3 Article Number: 299 Document Type: Article Published: FEB 2022

DOI: 10.3390/w14030299

eISSN: 2073-4441

Accession Number: WOS:000755995500001

### **CITÁCIE: (8)**

1.

Title: Assessing surface water pollution in Hanoi, Vietnam, using remote sensing and machine learning algorithms

Author(s): Do, TN (Do, Thi-Nhung); Nguyen, DMT (Nguyen, Diem-My Thi); Ghimire, J (Ghimire, Jiwnath); Vu, KC (Vu, Kim-Chi); Do Dang, LP (Do Dang, Lam-Phuong); Pham, SL (Pham, Sy-Liem); Pham, V (Pham, Van-Manh)

Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH DOI:

10.1007/s11356-023-28127-2 Early Access Date: JUN 2023

2.

Title: Comparing Water Indices for Landsat Data for Automated Surface Water Body Extraction under Complex Ground Background: A Case Study in Jilin Province

Author(s): Liu, S (Liu, Shu); Wu, YF (Wu, Yanfeng); Zhang, GX (Zhang, Guangxin); Lin, N (Lin, Nan); Liu, ZH (Liu, Zihao)

Source: REMOTE SENSING Volume: 15 Issue: 6 Article Number: 1678 DOI:

10.3390/rs15061678 Published: MAR 2023

3.



Title: Evaluation of Spatial Landscape Changes for the Period from 1998 to 2021 Caused by Extreme Flood Events in the Hornad Basin in Eastern Slovakia  
Author(s): Gergelova, MB (Gergelova, Marcela Bindzarova); Kovanic, L (Kovanic, Ludovit); Abd-Elhamid, HF (Abd-Elhamid, Hany F.); Cornak, A (Cornak, Anton); Garaj, M (Garaj, Miroslav); Hilbert, R (Hilbert, Radovan)  
Source: LAND Volume: 12 Issue: 2 Article Number: 405 DOI: 10.3390/land12020405  
Published: FEB 2023

4.

Title: U-net-based semantic classification for flood extent extraction using SAR imagery and GEE platform: A case study for 2019 central US flooding  
Author(s): Li, ZYY (Li, Zhouyayan); Demir, I (Demir, Ibrahim)  
Source: SCIENCE OF THE TOTAL ENVIRONMENT Volume: 869 Article Number: 161757 DOI: 10.1016/j.scitotenv.2023.161757 Early Access Date: JAN 2023 Published: APR 15 2023

5.

Title: Spatio-temporal water quality variability and regionalization of tropical reservoirs based on Landsat imagery  
Author(s): Carvalho, BC (Carvalho, Breylla Campos); Figueira, RMA (Figueira, Raquel Medeiros Andrade); Fortunato, HFD (Fortunato, Humberto Freitas de Medeiros)  
Source: JOURNAL OF APPLIED REMOTE SENSING Volume: 17 Issue: 1 DOI: 10.1117/1.JRS.17.014512 Published: JAN 1 2023

6.

Title: Prioritizing Water Resources for Conservation in a Land of Water Crisis: The Case of Protected Areas of Iran  
Author(s): Sobhani, P (Sobhani, Parvaneh); Esmailzadeh, H (Esmailzadeh, Hassan); Sadeghi, SMM (Sadeghi, Seyed Mohammad Moein); Wolf, ID (Wolf, Isabelle D. D.); Deljouei, A (Deljouei, Azade)  
Source: WATER Volume: 14 Issue: 24 Article Number: 4121 DOI: 10.3390/w14244121  
Published: DEC 2022

7.

Title: Surface Water Mapping from SAR Images Using Optimal Threshold Selection Method and Reference Water Mask  
Author(s): Kavats, O (Kavats, Olena); Khramov, D (Khramov, Dmitriy); Sergieieva, K (Sergieieva, Kateryna)  
Source: WATER Volume: 14 Issue: 24 Article Number: 4030 DOI: 10.3390/w14244030  
Published: DEC 2022

8.

Title: Rapid Extreme Tropical Precipitation and Flood Inundation Mapping Framework (RETRACE): Initial Testing for the 2021-2022 Malaysia Flood  
Author(s): Tew, YL (Tew, Yi Lin); Tan, ML (Tan, Mou Leong); Juneng, L (Juneng, Liew); Chun, KP (Chun, Kwok Pan); bin Hassan, MH (bin Hassan, Mohamad Hafiz); bin Osman, S (bin Osman, Sazali); Samat, N (Samat, Narimah); Chang, CK (Chang, Chun Kiat); Kabir, MH (Kabir, Muhammad Humayun)  
Source: ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION Volume: 11 Issue: 7 Article Number: 378 DOI: 10.3390/ijgi11070378 Published: JUL 2022

## CITOVANÁ PUBLIKÁCIA:

### **Title: Comparison of non-contact surveying technologies for modelling underground morphological structures**

By: Pukanska, K (Pukanska, Katarina); Bartos, K (Bartos, Karol); Bella, P (Bella, Pavel); Rakay, S (Rakay, Stefan); Sabova, J (Sabova, Janka)

Source: ACTA MONTANISTICA SLOVACA  
Volume: 22 Issue: 3 Pages: 246-256 Published: 2017  
ISSN: 1335-1788  
Accession Number: WOS:000423265000003

## CITÁCIE: (7)

1.

Title: Filtering Green Vegetation Out from Colored Point Clouds of Rocky Terrains Based on Various Vegetation Indices: Comparison of Simple Statistical Methods, Support Vector Machine, and Neural Network

Author(s): Stroner, M (Stroner, Martin); Urban, R (Urban, Rudolf); Suk, T (Suk, Tomas)

Source: REMOTE SENSING Volume: 15 Issue: 13 Article Number: 3254 DOI: 10.3390/rs15133254 Published: JUL 2023

2.

Title: Methodology and Results of Staged UAS Photogrammetric Rockslide Monitoring in the Alpine Terrain in High Tatras, Slovakia, after the Hydrological Event in 2022

Author(s): Kovanic, L (Kovanic, L'udovit); Stroner, M (Stroner, Martin); Urban, R (Urban, Rudolf); Blistan, P (Blistan, Peter)

Source: LAND Volume: 12 Issue: 5 Article Number: 977 DOI: 10.3390/land12050977 Published: APR 28 2023

3.

Title: Development of a hardbanding material for drill pipes based on high-manganese steel reinforced with complex carbides

Author(s): Prsyazhnyuk, P (Prsyazhnyuk, Pavlo); Molenda, M (Molenda, Michal); Romanyshyn, T (Romanyshyn, Taras); Ropyak, L (Ropyak, Liubomyr); Romanyshyn, L (Romanyshyn, Liubomyr); Vytvytskyi, V (Vytvytskyi, Vasyl)

Source: ACTA MONTANISTICA SLOVACA Volume: 27 Issue: 3 Pages: 685-696 DOI: 10.46544/AMS.v27i3.09 Published: 2022

4.

Title: 3D Surveying of Underground Built Heritage: Opportunities and Challenges of Mobile Technologies

Author(s): Di Stefano, F (Di Stefano, Francesco); Torresani, A (Torresani, Alessandro); Farella, EM (Farella, Elisa M.); Pierdicca, R (Pierdicca, Roberto); Menna, F (Menna, Fabio); Remondino, F (Remondino, Fabio)

Source: SUSTAINABILITY Volume: 13 Issue: 23 Article Number: 13289 DOI:  
10.3390/su132313289 Published: DEC 2021

5.

Title: Assessment of DSMs Using Backpack-Mounted Systems and Drone Techniques to Characterise Ancient Underground Cellars in the Duero Basin (Spain)

Author(s): Medina, SLC (Lopez-Cuervo Medina, Serafin); Perez-Martin, E (Perez-Martin, Enrique); Tejedor, TRH (Herrero Tejedor, Tomas R.); Prieto, JF (Prieto, Juan F.); Velasco, J (Velasco, Jesus); Martin, MAC (Conejo Martin, Miguel Angel); Ezquerra-Canalejo, A (Ezquerra-Canalejo, Alejandra); de Mata, JA (Aguirre de Mata, Julian)

Source: SENSORS Volume: 19 Issue: 24 Article Number: 5352 DOI: 10.3390/s19245352  
Published: DEC 2019

6.

Title: DEFORMATION INVESTIGATION OF THE SHELL OF ROTARY KILN USING TERRESTRIAL LASER SCANNING (TLS) MEASUREMENT

Author(s): Kovanic, L (Kovanic, L.); Blistan, P (Blistan, P.); Zeliznakova, V (Zeliznakova, V); Palkova, J (Palkova, J.); Baulovic, J (Baulovic, J.)

Source: METALURGIJA Volume: 58 Issue: 3-4 Pages: 311-314 Published: JUL 2019

7.

Title: Evaluation quality parameters of DEM generated with low-cost UAV photogrammetry and Structure-from-Motion (SfM) approach for topographic surveying of small areas

Author(s): Blistan, P (Blistan, Peter); Kovanic, L (Kovanic, L'udovit); Patera, M (Patera, Matej); Hurcik, T (Hurcik, Tomas)

Source: ACTA MONTANISTICA SLOVACA Volume: 24 Issue: 3 Pages: 198-212  
Published: 2019

## **CITOVANÁ PUBLIKÁCIA:**

**Title: Speleogenesis in a lens of metamorphosed limestone and ankerite: Ochtina Aragonite Cave, Slovakia**

By: Bella, P (Bella, Pavel); Bosak, P (Bosak, Pavel); Pruner, P (Pruner, Petr); Hercman, H (Hercman, Helena); Pukanska, K (Pukanska, Katarina); Bartos, K (Bartos, Karol); Gaal, L (Gaal, L'udovit); Haviarova, D (Haviarova, Dagmar); Tomcik, P (Tomcik, Peter); Kdyr, S (Kdyr, Simon)

Source: INTERNATIONAL JOURNAL OF SPELEOLOGY

Volume: 51 Issue: 1 Pages: 13-28 DOI: 10.5038/1827-806X.51.1.2397 Published: JAN 2022

ISSN: 0392-6672

eISSN: 1827-806X

Accession Number: WOS:000734086600001

## **CITÁCIE: (3)**

1.

Title: Review of Photogrammetric and Lidar Applications of UAV

Author(s): Kovanic, L (Kovanic, Ludovit); Topitzer, B (Topitzer, Branislav); Petovsky, P (Petovsky, Patrik); Blistan, P (Blistan, Peter); Gergelova, MB (Gergelova, Marcela Bindzarova); Blistanova, M (Blistanova, Monika)  
Source: APPLIED SCIENCES-BASEL Volume: 13 Issue: 11 Article Number: 6732 DOI: 10.3390/app13116732 Published: MAY 31 2023

2.

Title: Variscan vs. Alpine structural controls: Karstic proto-conduit development within Palaeozoic marble post-conditioned by Alpine faulting (the  
Author(s): Szczygiel, J (Szczygiel, Jacek); Sobczyk, A (Sobczyk, Artur); Maciejewski, M (Maciejewski, Maciej); Fernandez, O (Fernandez, Oscar)  
Source: GEOMORPHOLOGY Volume: 415 Article Number: 108423 DOI: 10.1016/j.geomorph.2022.108423 Early Access Date: AUG 2022 Published: OCT 15 2022

3.

Title: The fracture-controlled carbonate Brejoes Karst System mapped with UAV, LiDAR, and electroresistivity in the Irece Basin - Brazil  
Author(s): Furtado, CPQ (Furtado, Carla P. Q.); Borges, SVF (Borges, Sergio V. F.); Bezerra, FHR (Bezerra, Francisco H. R.); de Castro, DL (de Castro, David L.); Maia, RP (Maia, Rubson P.); Teixeira, WLE (Teixeira, Washington L. E.); Souza, AM (Souza, Anderson M.); Auler, AS (Auler, Augusto S.); Lima, FP (Lima-Filho, Francisco P.)  
Source: JOURNAL OF SOUTH AMERICAN EARTH SCIENCES Volume: 119 Article Number: 103986 DOI: 10.1016/j.jsames.2022.103986 Early Access Date: AUG 2022 Published: NOV 2022

## **CITOVANÁ PUBLIKÁCIA:**

### **Title: The identification of incorrectly determined new points in established 2D Local Geodetic Network during deformation monitoring for environmental protection**

By: Weiss, G (Weiss, Gabriel); Bartos, K (Bartos, Karol); Labant, S (Labant, Slavomir); Gasinec, J (Gasinec, Juraj); Weiss, E (Weiss, Erik); Mixtaj, L (Mixtaj, Ladislav); Weiss, R (Weiss, Roland); Zuzik, J (Zuzik, Jozef)

Source: JOURNAL OF CLEANER PRODUCTION  
Volume: 170 Pages: 789-796 DOI: 10.1016/j.jclepro.2017.09.179 Published: JAN 1 2018  
ISSN: 0959-6526  
eISSN: 1879-1786  
Accession Number: WOS:000414879300073

## **CITÁCIE: (2)**

1.

Title: The network structure evolutionary optimization to geodetic monitoring in the aspect of information entropy  
Author(s): Mrowczynska, M (Mrowczynska, Maria); Sztubecki, J (Sztubecki, Jacek)  
Source: MEASUREMENT Volume: 179 Article Number: 109369 DOI: 10.1016/j.measurement.2021.109369 Early Access Date: APR 2021 Published: JUL 2021

2.

Title: Accuracy analysis of satellite measurements of the measurement geodetic control network on the southern Spitsbergen

Author(s): Glowacki, T (Glowacki, Tadeusz)

Edited by: Przylibski TA; Kasza D

Source: XVIII CONFERENCE OF PHD STUDENTS AND YOUNG SCIENTISTS INTERDISCIPLINARY TOPICS IN MINING AND GEOLOGY Book Series: E3S Web of Conferences Volume: 71 Article Number: 00020 DOI: 10.1051/e3sconf/20187100020  
Published: 2018

Conference Title: 18th Conference of PhD Students and Young Scientists - Interdisciplinary Topics in Mining and Geology

Conference Date: MAY 22-25, 2018

Conference Location: Szklarska Poreba, POLAND

### **CITOVANÁ PUBLIKÁCIA:**

#### **Title: THE APPLICATION OF CLOSE-RANGE PHOTOGRAMMETRY FOR A DOCUMENTATION OF METALLURGICAL ART-HISTORICAL OBJECTS**

By: Pukanska, K (Pukanska, Katarina); Bartos, K (Bartos, Karol); Weiss, G (Weiss, Gabriel); Rakay, S (Rakay, Stefan)

Book Group Author(s): SGEM

Source: GEOCONFERENCE ON INFORMATICS, GEOINFORMATICS AND REMOTE SENSING, VOL III

Book Series Title: International Multidisciplinary Scientific GeoConference-SGEM

Pages: 327-334 Published: 2014

Conference Title: 14th International Multidisciplinary Scientific Geoconference (SGEM)

Conference Date: JUN 17-26, 2014

Conference Location: Albena, BULGARIA

ISSN: 1314-2704

ISBN: 978-619-7105-12-4

Accession Number: WOS:000371300000041

### **CITÁCIE: (4)**

1.

Title: A preliminary approach on point cloud reconstruction of bronze statues through oriented photogrammetry: the "Principe Ellenistico" case

Author(s): Bici, M (Bici, M.); Gherardini, F (Gherardini, F.); Campana, F (Campana, F.); Leali, F (Leali, F.)

Book Group Author(s): IOP

Source: INTERNATIONAL CONFERENCE FLORENCE HERI-TECH: THE FUTURE OF HERITAGE SCIENCE AND TECHNOLOGIES Book Series: IOP Conference Series- Materials Science and Engineering Volume: 949 Article Number: 012117 DOI: 10.1088/1757-899X/949/1/012117 Published: 2020

Conference Title: 2nd International Conference on Florence Heri-Tech - The Future of Heritage Science and Technologies

Conference Date: OCT 14-16, 2020  
Conference Location: ELECTR NETWORK

2.

Title: Photogrammetric deformation measurement of concrete flat slab  
Author(s): Marcis, M (Marcis, M.); Frastia, M (Frastia, M.); Augustin, T (Augustin, T.)  
Edited by: Molcikova S; Hurcikova V; Zeliznakova V; Blistan P  
Source: ADVANCES AND TRENDS IN GEODESY, CARTOGRAPHY AND  
GEOINFORMATICS Pages: 83-88 Published: 2018  
Conference Title: 10th International Scientific and Professional Conference on Geodesy,  
Cartography and Geoinformatics (GCG)  
Conference Date: OCT 10-13, 2017  
Conference Location: Demanovska Dolina, SLOVAKIA

3.

Title: ANALOGOUS VS. DIGITAL CAMERAS FOR BUILDINGS 3D MODELS  
CREATION  
Author(s): Oniga, E (Oniga, Ersilia); Chirila, C (Chirila, Constantin)  
Source: ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume:  
15 Issue: 6 Pages: 1293-1303 DOI: 10.30638/eemj.2016.140 Published: JUN 2016

4.

Title: MEASUREMENT OF BUILDING COMPONENTS DEFORMATIONS BY THE  
METHODS OF DIGITAL PHOTOGRAMMETRY  
Author(s): Frastia, M (Frastia, Marek); Marcis, M (Marcis, Marian); Bajtala, M (Bajtala,  
Marek); Trhan, O (Trhan, Ondrej)  
Book Group Author(s): SGEM  
Source: INFORMATICS, GEOINFORMATICS AND REMOTE SENSING CONFERENCE  
PROCEEDINGS, SGEM 2016, VOL II Book Series: International Multidisciplinary  
Scientific GeoConference-SGEM Pages: 955-962 Published: 2016  
Conference Title: 16th International Multidisciplinary Scientific Geoconference (SGEM  
2016)  
Conference Date: JUN 30-JUL 06, 2016  
Conference Location: Albena, BULGARIA

### **CITOVANÁ PUBLIKÁCIA:**

**Title: Determination of deformation of high-capacity tank using terrestrial laser  
scanning**

By: Pukanska, K (Pukanska, Katarina); Labant, S (Labant, Slavomir); Bartos, K (Bartos,  
Karol); Gasinec, J (Gasinec, Juraj); Zuzik, J (Zuzik, Jozef)

Source: ACTA MONTANISTICA SLOVACA  
Volume: 19 Issue: 1 Pages: 41-46 Published: 2014  
ISSN: 1335-1788  
Accession Number: WOS:000349494100006

## CITÁCIE: (3)

1.

Title: EXPERIMENTAL DETERMINATION OF THE ECCENTRICITY OF SURVEYING ACCESSORIES

Author(s): Braun, J (Braun, Jaroslav); Stroner, M (Stroner, Martin)

Book Group Author(s): SGEM

Source: INFORMATICS, GEOINFORMATICS AND REMOTE SENSING CONFERENCE PROCEEDINGS, SGEM 2016, VOL II Book Series: International Multidisciplinary Scientific GeoConference-SGEM Pages: 289-296 Published: 2016

Conference Title: 16th International Multidisciplinary Scientific Geoconference (SGEM 2016)

Conference Date: JUN 30-JUL 06, 2016

Conference Location: Albena, BULGARIA

2.

Title: UNCONVENTIONAL HIGH PRECISION MICRONETWORK DETERMINATION FOR THE NEEDS OF THE MONITORING OF THE RIVERBED MODEL CHANGES CAUSED BY THE WATER FLOW

Author(s): Stroner, M (Stroner, Martin); Urban, R (Urban, Rudolf)

Book Group Author(s): SGEM

Source: INFORMATICS, GEOINFORMATICS AND REMOTE SENSING CONFERENCE PROCEEDINGS, SGEM 2016, VOL II Book Series: International Multidisciplinary Scientific GeoConference-SGEM Pages: 697-+ Published: 2016

Conference Title: 16th International Multidisciplinary Scientific Geoconference (SGEM 2016)

Conference Date: JUN 30-JUL 06, 2016

Conference Location: Albena, BULGARIA

3.

Title: LABORATORY TESTING OF THE PRECISION AND ACCURACY OF THE SHAPEACCELARRAY SENSOR IN HORIZONTAL INSTALLATION

Author(s): Balek, J (Balek, Jan); Stroner, M (Stroner, Martin); Urban, R (Urban, Rudolf)

Book Group Author(s): SGEM

Source: 16TH INTERNATIONAL MULTIDISCIPLINARY SCIENTIFIC GEOCONFERENCE, SGEM 2016: SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING, VOL I Book Series: International Multidisciplinary Scientific GeoConference-SGEM Pages: 871-878 Published: 2016

Conference Title: 16th International Multidisciplinary Scientific Geoconference (SGEM 2016)

Conference Date: JUN 30-JUL 06, 2016

Conference Location: Albena, BULGARIA

## CITOVANÁ PUBLIKÁCIA:

**Title: Application of digital photogrammetry in the process of documentation of archaeological artefacts**

By: Krajnak, M (Krajnak, Miroslav); Pukanska, K (Pukanska, Katarina); Bartos, K (Bartos, Karol)

Source: ACTA MONTANISTICA SLOVACA  
Volume: 16 Issue: 4 Pages: 337-343 Published: 2011  
ISSN: 1335-1788  
Accession Number: WOS:000309816600015

### **CITÁCIE: (1)**

1.

Title: GEODETIC SURVEY AND RESTORATION OF IMPORTANT ARCHAEOLOGICAL SITE IN THE SLOVAK REPUBLIC A CELLAR IN THE CADASTRE UNIT FRICKOVCE

Author(s): Baran, M (Baran, Michal); Weiss, G (Weiss, Gabriel); Zuzik, J (Zuzik, Jozef); Mixtaj, L (Mixtaj, Ladislav)

Book Group Author(s): SGEM

Source: GEOCONFERENCE ON INFORMATICS, GEOINFORMATICS AND REMOTE SENSING, VOL II Book Series: International Multidisciplinary Scientific GeoConference-SGEM Pages: 263-270 Published: 2014

Conference Title: 14th International Multidisciplinary Scientific Geoconference (SGEM)

Conference Date: JUN 17-26, 2014

Conference Location: Albena, BULGARIA

### **CITOVANÁ PUBLIKÁCIA:**

**Title: Hardly Accessible Morphological Structures - Geological Mapping and Accuracy Analysis of SfM and TLS Surveying Technologies**

By: Pukanska, K (Pukanska, Katarina); Bartos, K (Bartos, Karol); Hideghety, A (Hideghety, Andrej); Kupcikova, K (Kupcikova, Klaudia); Ksenak, L (Ksenak, Lubomir); Janocko, J (Janocko, Juraj); Gil, M (Gil, Marcin); Frackiewicz, P (Frackiewicz, Pawel); Prekopova, M (Prekopova, Marta); Duriska, I (Duriska, Igor); Mizak, J (Mizak, Jozef)

Source: ACTA MONTANISTICA SLOVACA  
Volume: 25 Issue: 4 Pages: 479-493 DOI: 10.46544/AMS.v25i4.04 Published: 2020  
ISSN: 1335-1788  
Accession Number: WOS:000642004500004

### **CITÁCIE: (1)**

1.

Title: Multidirectional Shift Rasterization (MDSR) Algorithm for Effective Identification of Ground in Dense Point Clouds

Author(s): Stroner, M (Stroner, Martin); Urban, R (Urban, Rudolf); Linkova, L (Linkova, Lenka)

Source: REMOTE SENSING Volume: 14 Issue: 19 Article Number: 4916 DOI: 10.3390/rs14194916 Published: OCT 2022



Accession Number: WOS:000867909400001  
eISSN: 2072-4292

### **CITOVANÁ PUBLIKÁCIA:**

**Title: THE INFLUENCE OF ARTIFICIAL ILLUMINATION OF INVAR  
LEVELLING RODS ON THE MEASUREMENTS WITH DIGITAL LEVELS**

By: Rakay, S (Rakay, Stefan); Labant, S (Labant, Skvomir); Bartos, K (Bartos, Karol);  
Pukanska, K (Pukanska, Katarina)

Source: GEODETSKI VESTNIK  
Volume: 62 Issue: 4 Pages: 619-629 DOI: 10.15292/geodetski-vestnik.2018.04.619-629  
Published: 2018  
ISSN: 0351-0271  
eISSN: 1581-1328  
Accession Number: WOS:000454169500006

### **CITÁCIE: (1)**

1.  
Title: A functional-precision analysis of the Vertical Comparator for the Calibration of  
geodetic Levelling Systems  
Author(s): Kuchmister, J (Kuchmister, Janusz); Goluch, P (Goluch, Piotr); Cmielewski, K  
(Cmielewski, Kazimierz); Rzepka, J (Rzepka, Janusz); Budzyn, G (Budzyn, Grzegorz)  
Source: MEASUREMENT Volume: 163 Article Number: 107951 DOI:  
10.1016/j.measurement.2020.107951 Published: OCT 15 2020  
Accession Number: WOS:000575769200011  
ISSN: 0263-2241  
eISSN: 1873-412X

### **CITOVANÁ PUBLIKÁCIA:**

**Title: The Analysis, Accuracy and Utilization of Open-Source Photogrammetric  
Software**

By: Bartos, K (Bartos, Karol); Pukanska, K (Pukanska, Katarina); Sabova, J (Sabova, Janka)

Source: INZYNIERIA MINERALNA-JOURNAL OF THE POLISH MINERAL  
ENGINEERING SOCIETY  
Issue: 1 Pages: 299-306 Published: JAN-JUN 2014  
ISSN: 1640-4920  
Accession Number: WOS:000409667300037

### **CITÁCIE: (1)**

1.

Record 1 of 1

Title: Suitability of Aerial Photogrammetry for Dump Documentation and Volume Determination in Large Areas

Author(s): Kovanic, L (Kovanic, Ludovit); Blistan, P (Blistan, Peter); Stroner, M (Stroner, Martin); Urban, R (Urban, Rudolf); Blistanova, M (Blistanova, Monika)

Source: APPLIED SCIENCES-BASEL Volume: 11 Issue: 14 Article Number: 6564 DOI: 10.3390/app11146564 Published: JUL 2021

Accession Number: WOS:000678144600001

eISSN: 2076-3417

### **CITOVANÁ PUBLIKÁCIA:**

**Title: THE COMBINATION OF NONE-CONTACT SURVEYING TECHNOLOGIES FOR DOCUMENTATION OF CASTLE RUINS**

By: Pukanska, K (Pukanska, Katarina); Bartos, K (Bartos, Karol)

Source: GEOCONFERENCE ON INFORMATICS, GEOINFORMATICS AND REMOTE SENSING - CONFERENCE PROCEEDINGS, VOL II

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**CITOVANÁ PUBLIKÁCIA:**

Kseňak, L., Pukanská, K., Bartoš, K., Blišťan, P.  
Assessment of the Usability of SAR and Optical Satellite Data for Monitoring Spatio-  
Temporal Changes in Surface Water: Bodrog River Case Study  
(2022) *Water (Switzerland)*, 14 (3), art. no. 299, .

**CITÁCIE: (2)**

Suroso, Zikri A., Santoso P.B., Ardiansyah  
Detection of flood inundation in serayu watershed using landsat-8 and sentinel-2 satellite  
imagery  
(2023) *IOP Conference Series: Earth and Environmental Science*, 1173 (1), art. no. 012042  
DOI: 10.1088/1755-1315/1173/1/012042

Humayun M.F., Bhatti F.A., Khurshid K.  
iVision MRSSD: A comprehensive multi-resolution SAR ship detection dataset for state of  
the art satellite based maritime surveillance applications  
(2023) *Data in Brief*, 50, art. no. 109505  
DOI: 10.1016/j.dib.2023.109505

**CITOVANÁ PUBLIKÁCIA:**

Kovanič, L., Blistan, P., Urban, R., Štroner, M., Blišťanová, M., Bartoš, K., Pukanská, K.  
Analysis of the suitability of high-resolution dem obtained using ALS and UAS (SfM) for the  
identification of changes and monitoring the development of selected geohazards in the alpine  
environment—A case study in high tatras, Slovakia  
(2020) *Remote Sensing*, 12 (23), art. no. 3901, pp. 1-25.

**CITÁCIE: (3)**

Pavelka K., Matouskova E., Pacina J.  
Spatial 3d documentation of historical mining remnants in forested area in the  
erzgebirge/krušnohoř i mining region unesco site  
(2021) *International Archives of the Photogrammetry, Remote Sensing and Spatial  
Information Sciences - ISPRS Archives*, 46 (M-1-2021), pp. 523 - 529  
DOI: 10.5194/isprs-archives-XLVI-M-1-2021-523-2021

Marčiš M., Fraštia M.  
Effect of camera network configuration on the accuracy of digitization of architectural objects  
(2023) *Digital Applications in Archaeology and Cultural Heritage*, 28, art. no. e00254

DOI: 10.1016/j.daach.2022.e00254

Alias M.F., Udin W.S.

Identifying the potential use of Unmanned Aerial Vehicle (UAV) technique in mining area for geohazards and safety control

(2021) IOP Conference Series: Earth and Environmental Science, 842 (1), art. no. 012009

DOI: 10.1088/1755-1315/842/1/012009

### **CITOVANÁ PUBLIKÁCIA:**

Pukanská, K., Bartoš, K., Bella, P., Gašinec, J., Blistan, P., Kovanič, L.

17435762500;55958432800;56042282000;35092441500;57212081427;57221544827;

Surveying and high-resolution topography of the Ochtiná Aragonite cave based on TLS and digital photogrammetry

(2020) Applied Sciences (Switzerland), 10 (13), art. no. 4633.

### **CITÁCIE: (3)**

D'Agostino G., Figuera M., Pennisi V., Russo G., Sanfilippo M., Militello P.M., Musumeci R.E.

Hydraulic risk assessment in archaeological sites supported by an integrated digital survey-cfd (computational fluid dynamics) monitoring approach

(2021) International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 46 (M-1-2021), pp. 155 - 163

DOI: 10.5194/isprs-Archives-XLVI-M-1-2021-155-2021

D'Agostino G., Figuera M., Russo G., Galizia M., Militello P.M.

INTEGRATED 3D SURVEY FOR THE DOCUMENTATION AND VISUALIZATION OF A ROCK-CUT UNDERGROUND BUILT HERITAGE

(2022) International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 46 (2/W1-2022), pp. 167 - 174

DOI: 10.5194/isprs-archives-XLVI-2-W1-2022-167-2022

Grasso N., Dabove P., Piras M.

THE USE of SLAM and UAV TECHNOLOGY in GEOLOGICAL FIELD for MONITORING: The CASE STUDY of the BOSSEA CAVE

(2023) International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 48 (2/W3-2023), pp. 73 - 79

DOI: 10.5194/isprs-archives-XLVIII-2-W3-2023-73-2023

### **CITOVANÁ PUBLIKÁCIA:**

Blistan, P., Jacko, S., Kovanič, Ľ., Kondela, J., Pukanská, K., Bartoš, K.

Tls and sfm approach for bulk density determination of excavated heterogeneous raw materials

(2020) Minerals, 10 (2), art. no. 174.

### **CITÁCIE: (1)**

Casula G., Cuccuru F., Bianchi M.G., Fais S., Ligas P.  
High resolution 3-D modelling of cylinder shape bodies applied to ancient columns of a church

(2020) *Advances in Geosciences*, 54, pp. 119 - 127

DOI: 10.5194/adgeo-54-119-2020

### **CITOVANÁ PUBLIKÁCIA:**

Tometzová, D., Hlavňová, B., Drevko, S., Pukanská, K., Bartoš, K., Bieda, A., Kseňak, Ľ.  
The development of geotourism with the use of 3d digital cave model. A case study of the bear cave, slovakia [Rozwój geoturystyki z wykorzystaniem cyfrowego modelu 3d na przykładzie jaskini niedźwiedziej na słowacji]

(2020) *Geomatics and Environmental Engineering*, 14 (2), pp. 83-105.

### **CITÁCIE: (2)**

Antić A., Vujičić M.D., Dragović N., Cimbaljević M., Stankov U., Tomić N.  
Show Cave Visitors: An Analytical Scale for Visitor Motivation and Travel Constraints

(2022) *Geoheritage*, 14 (2), art. no. 53

DOI: 10.1007/s12371-022-00686-9

Chwedczuk K., Cienkosz D., Apollo M., Borowski L., Lewinska P., Santos C.A.G., Eboraka K., Kulshreshtha S., Romero-Andrade R., Sedeek A., Liibusk A., Maciuk K.  
CHALLENGES RELATED TO THE DETERMINATION OF ALTITUDES OF MOUNTAIN PEAKS PRESENTED ON CARTOGRAPHIC SOURCES [IZZIVI PRI DOLOČANJU VIŠIN GORSKIH VRHOV, KOT SO NAVEDENE V KARTOGRAFSKIH VIRIH]

(2022) *Geodetski Vestnik*, 66 (1), pp. 49 - 59

DOI: 10.15292/geodetski-vestnik.2022.01.49-59

### **CITOVANÁ PUBLIKÁCIA:**

Rákay, Š., Bartoš, K., Pukanská, K.

The influence of refraction on determination of position of objects under water using total station

(2018) *Advances and Trends in Geodesy, Cartography and Geoinformatics - Proceedings of the 10th International Scientific and Professional Conference on Geodesy, Cartography and Geoinformatics, 2017*, pp. 95-100.

### **CITÁCIE: (1)**

Suk T., Štroner M.

The impact of the air temperature on measuring the zenith angle during the year in the ground layer of the atmosphere for the needs of engineering surveying  
(2021) Acta Polytechnica, 61 (3), pp. 476 - 488  
DOI: 10.14311/AP.2021.61.0476

### **CITOVANÁ PUBLIKÁCIA:**

Rákay, Š., Labant, S., Bartoš, K.  
Verification of floor planarity by trigonometrical measurement of heights on a 5-storey monolithic building  
(2018) Geodesy and Cartography, 44 (1), pp. 14-21.

### **CITÁCIE: (5)**

Tsareva O., Dmitriev I., Kornilov Y.  
Estimation of absolute deformations by changes in distances between the reference points and deformation marks  
(2018) MATEC Web of Conferences, 245, art. no. 04013  
DOI: 10.1051/mateconf/201824504013

Tsareva O., Portnov F.  
Improving the methodology for observing deformations of buildings and structures  
(2019) E3S Web of Conferences, 110, art. no. 01056  
DOI: 10.1051/e3sconf/201911001056

Tsareva O., Pshchelko N., Glazunov V., Yugov A.  
Separation of Relative Deformations of Buildings from a General Displacement Vector of Deformation Marks  
(2020) Lecture Notes in Civil Engineering, 70, pp. 93 - 102  
DOI: 10.1007/978-3-030-42351-3\_8

Grešová E., Svetlík J.  
Mathematical modeling of the manufacturing sector's dominant part as a base for automation  
(2021) Applied Sciences (Switzerland), 11 (7), art. no. 3295  
DOI: 10.3390/app11073295

Škrabul'áková E.F., Grešová E.  
Cost saving via graph coloring approach  
(2019) Scientific Papers of the University of Pardubice, Series D: Faculty of Economics and Administration, 27 (1), pp. 152 - 160

### **CITOVANÁ PUBLIKÁCIA:**

Weiss, G., Bartoš, K., Labant, S., Gašinec, J., Weiss, E., Mixtaj, L., Weiss, R., Zuzik, J.  
The identification of incorrectly determined new points in established 2D Local Geodetic  
Network during deformation monitoring for environmental protection  
(2018) Journal of Cleaner Production, 170, pp. 789-796.

**CITÁCIE: (1)**

Mrówczyńska M., Sztubecki J., Zicba Z., Wilczyńska I.  
The model identification of buildings horizontal displacements with the use of a free geodetic  
network  
(2021) IOP Conference Series: Earth and Environmental Science, 906 (1), art. no. 012056  
DOI: 10.1088/1755-1315/906/1/012056

**CITOVANÁ PUBLIKÁCIA:**

Pukanská, K., Bartoš, K., Bella, P., Rákay ml, Š., Sabová, J.  
Comparison of non-contact surveying technologies for modelling underground morphological  
structures  
(2017) Acta Montanistica Slovaca, 22 (3), pp. 246-256.

**CITÁCIE: (1)**

Nocerino E., Menna F., Farella E., Remondino F.  
3D VIRTUALIZATION of AN UNDERGROUND SEMI-SUBMERGED CAVE SYSTEM  
(2019) International Archives of the Photogrammetry, Remote Sensing and Spatial  
Information Sciences - ISPRS Archives, 42 (2/W15), pp. 857 - 864  
DOI: 10.5194/isprs-archives-XLII-2-W15-857-2019

**CITOVANÁ PUBLIKÁCIA:**

Bella, P., Littva, J., Pukanská, K., Gašinec, J., Bartoš, K.  
Use of terrestrial laser scanning for the investigation of structural geological discontinuities  
and morphology of caves: The example of the Dupnica Cave, Zapadne Tatry Mts., Slovakia  
[Využitie terestrického laserového skenovania pri skúmaní štruktúrno-geologických  
diskontinuit a morfológie jaskýň: Príklad jaskyne Dúpnica v Západných Tatrách]  
(2015) Acta Geologica Slovaca, 7 (2), pp. 93-101.

**CITÁCIE: (3)**

Hofierka J., Hochmuth Z., Kaňuk J., Gallay M., Gessert A.  
Mapping the Domica Cave using terrestrial laser scanning [Mapovanie jaskyne domica  
pomocou terestrického laserového skenovania]  
(2016) Geograficky Casopis, 68 (1), pp. 25 - 38

Gallay M., Kaňuk J., Hochmuth Z., Meneely J.D., Hofierka J., Sedlák V.  
Large-scale and high-resolution 3-D cave mapping by terrestrial laser scanning: A case study  
of the domica cave, Slovakia

(2015) International Journal of Speleology, 44 (3), pp. 277 - 291  
DOI: 10.5038/1827-806X.44.3.6

Urban R., Štroner M., Balek J.  
Realization of geodetic network for monitoring of landslide area near třebenice  
(2017) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 17 (22), pp. 531 - 538  
DOI: 10.5593/sgem2017/22/S09.066

#### **CITOVANÁ PUBLIKÁCIA:**

Pukanská, K., Bartoš, K., Sabová, J.  
Comparison of survey results of the surface quarry spišské tomášovce by the use of photogrammetry and terrestrial laser scanning  
(2014) Inzynieria Mineralna, 15 (1), pp. 47-54.

#### **CITÁCIE: (1)**

Balek J., Urban R., Štroner M.  
Laboratory testing of the precision and accuracy of the tm-71 dilatometer  
(2018) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 18 (1.2), pp. 433 - 439  
DOI: 10.5593/sgem2018/1.2/S02.055

#### **CITOVANÁ PUBLIKÁCIA:**

Pukanská, K., Labant, S., Bartoš, K., Gašinec, J., Zuzik, J.  
Determination of deformation of high-capacity tank using terrestrial laser scanning  
(2014) Acta Montanistica Slovaca, 19 (1), pp. 41-46.

#### **CITÁCIE: (2)**

Gumilar I., Gaol S.V.L.L., Munarda M., Bramanto B., Lukmanulhakim A.  
Tank Modeling and Its Condition Assessment using Terrestrial Laser Scanner  
(2021) IOP Conference Series: Earth and Environmental Science, 936 (1), art. no. 012004  
DOI: 10.1088/1755-1315/936/1/012004

Bílý I., Brejcha M., Zbírál P.  
Utilization of point clouds for geophysical method electrical resistivity tomography interpretation  
(2017) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 17 (14), pp. 467 - 474  
DOI: 10.5593/sgem2017/14/S05.059

#### **CITOVANÁ PUBLIKÁCIA:**

Krajňák, M., Pukanská, K., Bartoš, K.



Application of digital photogrammetry in the process of documentation of archaeological artefacts

(2011) Acta Montanistica Slovaca, 16 (4), pp. 337-343.

**CITÁCIE: (2)**

Brouček J., Urban R., Štroner M.

Accuracy of aerial photogrammetry depending on the number of unnecessary measurements

(2018) International Multidisciplinary Scientific GeoConference Surveying Geology and

Mining Ecology Management, SGEM, 18 (2.3), pp. 11 - 18

DOI: 10.5593/sgem2018/2.3/S10.002

Sabová J., Gašinec J.

Introduction to individual contribution by the VI scientific and professional conferences with

international participation Geodesy, Cartography and Geographic Information Systems 2010

(2011) Acta Montanistica Slovaca, 16 (4), pp. 239 – 241

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