

Published scientific papers

1. Oniga, V.-E.; Loghin, A.-M.; Macovei, M.; Lazar, A.-A.; Boroianu, B.; Sestras, P. **Enhancing LiDAR-UAS Derived Digital Terrain Models with Hierarchic Robust and Volume-Based Filtering Approaches for Precision Topographic Mapping**. *Remote Sens.* **2024**, *16*, 78. <https://doi.org/10.3390/rs16010078>.
2. Oniga, E., Boroianu, B., Morelli, L., Remondino, F., and Macovei, M.: **BEYOND GROUND CONTROL POINTS: COST-EFFECTIVE 3D BUILDING RECONSTRUCTION THROUGH GNSS-INTEGRATED PHOTOGRAMMETRY**, *Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci.*, XLVIII-2/W4-2024, 333–339, <https://doi.org/10.5194/isprs-archives-XLVIII-2-W4-2024-333-2024>, 2024.
3. Oniga, V. E., Morelli, L., Macovei, M., Chirila, C., Breaban, A. I., Remondino, F., and Sestras, P.: **PPK PROCESSING TO BOOST UAS ACCURACY IN CADASTRAL MAPPING**, *Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci.*, XLVIII-1/W1-2023, 345–352, <https://doi.org/10.5194/isprs-archives-XLVIII-1-W1-2023-345-2023>.
4. Breaban, A.-I.; Oniga, V.-E.; Chirila, C.; Loghin, A.-M.; Pfeifer, N.; Macovei, M.; Nicuta Precul, A.-M. **Proposed Methodology for Accuracy Improvement of LOD1 3D Building Models Created Based on Stereo Pléiades Satellite Imagery**. *Remote Sens.* **2022**, *14*, 6293. <https://doi.org/10.3390/rs14246293>
5. Valeria-Ersilia Oniga, ***Precizia și completitudinea detaliilor cadastrale extrase pe baza ortofotoplanurilor UAS***, revista Construcțiilor, <https://www.revistaconstrucțiilor.eu/index.php/2024/03/18/ugr-precizia-si-completitudinea-detaliilor-cadastrale-extrase-pe-baza-ortofotoplanurilor-uas/>. Also, it can be accessed online on the website of the Union of Surveyors from Romania, under the "Opinions" section. (<https://ugr.ro/opinii/precizia-si-completitudinea-detaliilor-cadastrale-extrase-pe-baza-ortofotoplanurilor-uas>)

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6. ***UAS Trajectory Model Dynamics at Different Flight Heights: An In-depth Analysis of PPK Georeferencing Results for an Urban Area***, Cristina-Oana Miron, Valeria-Ersilia Oniga, Ana-Maria Loghin, Sorin Nistor, Constantin Chirila, Anca-Alina Lazar, Mihaela Macovei (GIScience & Remote Sensing)