

## Mihai COCA

### **Annex 1 – List of the Research Papers**

<https://scholar.google.ro/citations?user=TxCHZzkAAAAJ&hl=ro>

1. **Mihai Coca**, Andrei Anghel, Mihai Datcu, "Unbiased Seamless SAR Image Change Detection Based on Normalized Compression Distance", IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, vol. 12, pp. 2088-2096, 2019, DOI: 10.1109/JSTARS.2019.2909143, WOS: 000480354800009
2. Ștefan-Ciprian Arseni, Bogdan-Cosmin Chifor, **Mihai Coca**, Mirabela Medvei, Ion Bica, Ioana Matei, "RESFIT: A Reputation and Security Monitoring Platform for IoT Applications", Year: 2021, Volume: 10, Number: 15, Journal: Electronics, ISSN: 2079-9292, DOI: 10.3390/electronics10151840, WOS:000682009500001
3. Iulia Coca Neagoe, **Mihai Coca**, Corina Vaduva, Mihai Datcu, "Cross-bands information transfer to offset ambiguities and atmospheric phenomena for multispectral data visualization", IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (Early Access), Year: 2021, DOI: 10.1109/JSTARS.2021.3123120
4. Cavallaro, Gabriele and B. Heras, Dora and Wu, Zebin and Maskey, Manil and Lopez, Sebastian and Gawron, Piotr and **Coca, Mihai** and Datcu, Mihai, "High-Performance and Disruptive Computing in Remote Sensing: HDCRS-A New Working Group of the GRSS Earth Science Informatics Technical Committee," in IEEE Geoscience and Remote Sensing Magazine, vol. 10, no. 2, pp. 329-345, June 2022, doi: 10.1109/MGRS.2022.3145478
5. **Mihai Coca**, Iulia C. Neagoe and Mihai Datcu, "Hybrid DNN-Dirichlet Anomaly Detection and Ranking: case of Burned Areas Discovery," in IEEE Transactions on Geoscience and Remote Sensing, 2022, doi: 10.1109/TGRS.2022.3207311.
6. **Mihai Coca** and Mihai Datcu, "FPGA Accelerator for Meta-Recognition Anomaly Detection: Case of Burned Area Detection," in IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, vol. 16, pp. 5247-5259, 2023, doi: 10.1109/JSTARS.2023.3273309.
7. **Mihai Coca**, Andrei Anghel, Mihai Datcu, "Normalized Compression Distance for SAR Image Change Detection", IGARSS 2018 - 2018 IEEE International Geoscience and Remote Sensing Symposium, Conference Paper (ISI), WOS:000451039805154
8. Andrei-Marius Avram, **Mihai Coca**, Ștefan-Ciprian Arseni, "Fixed-point analysis of mobilenets on keyword spotting", Proceedings of the IE 2019 International Conference
9. **Mihai Coca**, Iulia Coca Neagoe, Mihai Datcu, "Physically meaningful dictionaries for EO crowdsourcing: a ML for blockchain architecture", IGARSS 2020 - 2020 IEEE International Geoscience and Remote Sensing Symposium, Conference Paper (ISI), WOS:000664335303167
10. **Mihai Coca** and Mihai Datcu, "Anomaly Detection in Post Fire Assessment", IGARSS 2021 - 2021 IEEE International Geoscience and Remote Sensing Symposium, Conference Paper (ISI)
11. Ș. -C. Arseni, M. Togan, I. Aciobăniței, E. Bureacă and **M. Coca**, "LTPS - Service for long-term preservation of digital signatures," 2022 14th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 2022, pp. 1-6, doi: 10.1109/ECAI54874.2022.9847311.
12. A. Focșa, A. Vlădescu, Ș. -A. Toma, D. Gorgoteanu, A. Anghel and **M. Coca**, "Handheld Synthetic Aperture Radar for Through the Wall Imaging: Motion Errors Compensation," IGARSS 2023 - 2023 IEEE International Geoscience and Remote Sensing Symposium, Pasadena, CA, USA, 2023, pp. 2203-2206, doi: 10.1109/IGARSS52108.2023.10281951.
13. Iulian Aciobăniței, **Mihai Coca**, Laurențiu Mărgărit, "Use cases for autonomous smart car. Experimental model", Revista „MTA Review”, vol. XXVI, No. 4, Dec. 2016
14. Iulia Coca Neagoe, **Mihai Coca**, Mihai Datcu, "Autoencoder based method for multispectral images visualization", U.P.B. Sci. Bull., Series C, Vol. 83, Iss. 2, 2021, ISSN 2286-3540, WOS:000692193500009, Online access: [https://www.scientificbulletin.upb.ro/rev\\_docs\\_arhiva/rez07b\\_938578.pdf](https://www.scientificbulletin.upb.ro/rev_docs_arhiva/rez07b_938578.pdf)
15. Mihai Stoica, **Mihai Coca**, "GPU-Based Normalized Compression Distance for Satellite Images", Journal of Military Technology, Vol. 5, Iss. 1, 2022, Digital Object Identifier 10.32754/JMT.2022.1.07, Online access: [https://jmltechnol.mta.ro/9/7\\_STOICA,%20COCA%20k-min.pdf](https://jmltechnol.mta.ro/9/7_STOICA,%20COCA%20k-min.pdf)
16. **Mihai Coca** and Mihai Datcu and Gabriel Dax and Corneliu Octavian Dumitru and Gottfried Schwarz and Wei Yao (2019) "No Feature Data Analytics: Compression Pattern Recognition". Φ-week, 9. - 13. Sept. 2019, Frascati, Italy
17. **Mihai Coca**, Dragoș Ioana, "Programming microcontroller systems: laboratory guide" (in Romanian), Ed. of Military Technical Academy "Ferdinand I", Bucharest, 2023, ISBN 978-973-640-341-5