

**LISTA PUBLICAȚIILOR REZULTATE ÎN URMA CERCETĂRII DOCTORALE,
PUBLICATE SAU ACCEPTATE SPRE PUBLICARE, SUB AFILIERE UPT**

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1. Lucrări științifice publicate în reviste indexate Web of Science-WoS (ISI)

1.1. **G. Magu**, R. Lucaciu and A. Isar, „Improving the Targets’ Trajectories Estimated by an Automotive RADAR Sensor Using Polynomial Fitting,” *Appl. Sci.* 2021, 11, 3612, DOI: 10.3390/app11010361, WOS: 000605925900001.

1.2. A. Isar, C. Naornita, **G. Magu**, „Hyperanalytic Wavelet-Based Robust Edge Detection”, *Remote Sensing*, iunie 2021, DOI: 10.3390/rs13152888, WOS: 000682213800001.

2. Lucrări științifice publicate în volumele unor manifestări științifice (Proceedings) indexate Web of Science-WoS (ISI) Proceedings

2.1. **G. Magu**, M. Kovaci, "Images’ Principal Component Analysis using Hyperanalytic Wavelet Packets", 2018 13th International Symposium on Electronics and Telecommunications (ISETC 2018), 08-09 November 2018, Timisoara, Romania, 2018, pp.1-4, DOI: 10.1109/ISETC.2018.8583960, WOS: 000463031500072.

2.2. V. Vasile, **G. Magu**, R. Cosnita, C. Naornita, A. Isar, M. Borda, "EGNOS Performance Improvements Using Monitoring Stations in Romania", 2018 13th International Symposium on Electronics and Telecommunications (ISETC 2018), 08-09 November 2018, Timisoara, Romania, 2018, pp.1-6, DOI: 10.1109/ISETC.2018.8583900, WOS: 000463031500069.

2.3. **G. Magu**, R. Lucaciu and A. Isar, „Polynomial Based Kalman Filter Result Fitting to Data”, *Proceedings of 43rd International Conference on Telecommunications and Signal Processing (TSP)*, 7-9 July 2020, Milan, Italy, DOI: 10.1109/TSP49548.2020.9163567, WOS: 000577106400015.

2.4. **G. Magu**, R. Lucaciu, „Multiple Radar Targets Tracking and Trajectories Fitting,” *In Proceedings of the International Symposium on Electronics and Telecommunications (ISETc)*, Timisoara, Romania, 5–6 November 2020, DOI: 10.1109/ISETC50328.2020.9301077, WOS: 000612681000077.

2.5. A. Isar, C. Naornita, A. Macaveiu, **G. Magu**, „Wavelet Based Adaptive Detection of Automotive Radar Single Target with Low SNR," *In Proceedings of 2020 International Symposium on Electronics and Telecommunications (ISETC)*, 5-6 Nov. 2020, Timisoara, Romania, DOI: 10.1109/ISETC50328.2020.9301069, WOS: 000612681000062.

3. Lucrări științifice publicate în reviste de specialitate indexate BDI (cu specificarea BDI)

3.1. P. Gajitzki, A. Isar, **G. Magu**, “A New Algorithm for Fractional Motion Processes Generation”, *ACTA TECHNICA NAPOCENSIS, Electronics and Telecommunications*, Volume 59, Number 1, 2018, pp.6-9.

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