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Listă de lucrări

(a) Lista celor mai relevante 10 lucrări publicate după obținerea titlului de doctor

1. A. Anghel, R. Cacoveanu, A. Moldovan, B. Rommen and M. Datcu, *COBIS: Opportunistic C-Band Bistatic SAR Differential Interferometry*, in IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, vol. 12, no. 10, pp. 3980-3998, Oct. 2019, [WOS:000503182000024, [https://doi:10.1109/JSTARS.2019.2939194](https://doi.org/10.1109/JSTARS.2019.2939194), ISSN: 1939-1404, Factor de impact: 3.392] – ISI Q2.
2. A. Anghel, M. Tudose, R. Cacoveanu, M. Datcu, G. Nico, O. Masci, A. Dongyang, W. Tian, C. Hu, Z. Ding, H. Nies, O. Loffeld, D. Atencia, S.G. Huaman, A. Medella, J. Moreira, *Compact Ground-Based Interferometric Synthetic Aperture Radar: Short-Range Structural Monitoring*, in IEEE Signal Processing Magazine, vol. 36, no. 4, pp. 42-52, July 2019. [WOS:000473483100008, [https://doi: 10.1109/MSP.2019.2894987](https://doi.org/10.1109/MSP.2019.2894987), ISSN: 1053-5888, Factor de impact: 7.602] – ISI Q1
3. M. Coca, A. Anghel and M. Datcu, *Unbiased Seamless SAR Image Change Detection Based on Normalized Compression Distance*, in IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, vol. 12, no. 7, pp. 2088-2096, July 2019. [WOS:000480354800009, doi: 10.1109/JSTARS.2019.2909143, ISSN: 1939-1404, Factor de impact 3.392] – ISI Q2
4. M. Tudose, A. Anghel, R. Cacoveanu, M. Datcu, *Pulse Radar with Field-Programmable Gate Array Range Compression for Real Time Displacement and Vibration Monitoring*, Sensors, Vol. 19, Iss. 1, Article number 82, Jan. 2019, 16 pagini. [Accession Number WOS:000458574600082, DOI: 10.3390/s19010082, ISSN: 1424-8220, Factor de impact 3.031] – ISI Q1.
5. M. Tudose, A. Anghel, R. Cacoveanu, M. Datcu, *On the beat signal synchronisation of interferometric FMCW radars*, IET Radar, Sonar and Navigation, Aug. 2017, Vol. 11 Iss.: 8, pp. 1181-1187. [WOS:000406141800001, doi: 10.1049/iet-rsn.2016.0544, ISSN: 1751-8784, Factor de impact 2.015] – ISI Q3.
6. A. Anghel, G. Vasile, C. Ioana, R. Cacoveanu, S. Ciochină, *Micro-Doppler Reconstruction in Spaceborne SAR images using Azimuth Time-Frequency Tracking of the Phase History*, IEEE Geoscience and Remote Sensing Letters, vol. 13, No. 4, pp. 604-608, April 2016. [WOS: 000373009800027, doi: 10.1109/LGRS.2016.2530817, ISSN: 1545-598X, Factor de impact: 3.534] – ISI Q1
7. A. Anghel, R. Cacoveanu, B. Rommen and M. Datcu, *Multi-Aperture Focusing in Spaceborne Transmitter-Stationary Receiver Bistatic SAR*, IEEE International Geoscience and Remote Sensing Symposium, Yokohama, Japan, 2019, pp. 1120-1123. [ISI Proceedings, WOS:000519270601098, doi: 10.1109/IGARSS.2019.8900142, ISSN: 2153-6996].

8. A. Anghel, R. Cacoveanu, A. S. Moldovan, C. Savlovschi, B. Rommen and M. Datcu, *Bistatic SAR imaging with Sentinel-1 operating in TOPSAR mode*, IEEE Radar Conference (RadarConf), Seattle, WA, USA, 2017, pp. 0601-0605. [ISI Proceedings, doi: 10.1109/RADAR.2017.7944274, WOS:000405307600115, ISSN: 2375-5318]
9. A. Anghel, R. Cacoveanu, A.-S. Moldovan, A. Popescu, M. Datcu, F. Serban, *Simplified Bistatic SAR imaging with a fixed receiver and TerraSAR-X as transmitter of opportunity - First results*, IEEE International Geoscience and Remote Sensing Symposium, July 2016, Beijing, China, pp. 2094-2097. [ISI Proceedings, WOS:000388114602053, doi: 10.1109/IGARSS.2016.7729540, ISSN: 2153-7003].
10. A. Anghel, G. Vasile, C. Ioana, R. Cacoveanu, S. Ciochina, *On the detection of non-stationary signals in the matched signal transform domain*, IEEE International Conference on Acoustics, Speech, and Signal Processing, Shanghai, China, March 2016, pp. 4204-4208. [ISI Proceedings, DOI: 10.1109/ICASSP.2016.7472469, WOS:000388373404070, ISSN 1520-6149].

(b) Teza de doctorat

[T] A. Anghel, *High-Resolution Time-Frequency SAR Signal Processing for Large Infrastructure Monitoring (Analiza Timp-Frecvență și Prelucrarea Semnalelor SAR de Înaltă Rezoluție pentru Monitorizarea Infrastructurii Critice)*, 2015, susținută la Universitatea „Grenoble Alpes” și Universitatea „Politehnica” din București (distincția *Summa Cum Laude*).

(c) Brevete de invenție și alte titluri de proprietate industrială și intelectuală

A.-S. Moldovan, F. Șerban, I.-V. Ponceos, A.-Ș. Toma, C.D. Teleagă, A. Anghel, R. Cacoveanu, A. Stan, Brevet de Invenție, *Radar Monostatic Interferometric Digital cu Compresie a Impulsului și Apertură Sintetică In-SAR, cu Aplicabilitate în Monitorizarea Deplasărilor Sub-milimetrice ale Structurilor Masive și Alunecărilor de Teren*, Nr. 130942, cu începere la data de 04/05/2015.

(d) Cărți și capitole în cărți

A. Anghel, G. Vasile, R. Cacoveanu, *Infrastructure monitoring with spaceborne SAR sensors*, Springer Singapore, 2017, 79 pagini, ISBN: 978-981-10-3216-5, ISSN: 2196-4076.

A. Anghel, *Compressive Sensing in Microwave Imaging: Synthetic and Metamaterial Apertures*, capitol publicat în cartea „Compressive sensing - Methods and Applications”, editor: Raymond Matthews, Nova Science Publishers, 2020, ISBN: 978-1-53617-560-8.

A. Anghel, *Azimuth in Synthetic Aperture Radars*, capitol publicat în cartea „Advances in Engineering Research. Volume 35”, editor: Victoria M. Petrova, Nova Science Publishers, 2020, eBook ISBN: 978-1-53617-852-4, Hardcover ISBN: 978-1-53617-851-7

A. Anghel, R. Cacoveanu, *RADAR - Teorie și principii*, Editura MatrixRom, 2018, 140 pagini, ISBN : 978-606-25-0437-3

A. Anghel, R. Cacoveanu, *Microunde – Noțiuni fundamentale*, Editura MatrixRom, 2020, 144 pagini, ISBN : 978-606-25-0554-7

(e) Articole / studii in extenso publicate în reviste din fluxul științific internațional principal

Ris - Reviste de specialitate de circulație internațională recunoscute (cotate / indexate ISI Thomson Reuters, sau indexate in alte Baze de Date Internationale - BDI specifice domeniului, care fac un proces de selectie a revistelor pe baza unor criterii de performanta).

[Ris1] A. Anghel, R. Cacoveanu, A. Moldovan, B. Rommen and M. Datcu, *COBIS: Opportunistic C-Band Bistatic SAR Differential Interferometry*, in IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, vol. 12, no. 10, pp. 3980-3998, Oct. 2019, [WOS:000503182000024, [https://doi:10.1109/JSTARS.2019.2939194](https://doi.org/10.1109/JSTARS.2019.2939194), ISSN: 1939-1404, Factor de impact: 3.392] – ISI Q2.

[Ris2] A. Anghel, M. Tudose, R. Cacoveanu, M. Datcu, G. Nico, O. Masci, A. Dongyang, W. Tian, C. Hu, Z. Ding, H. Nies, O. Loffeld, D. Atencia, S.G. Huaman, A. Medella, J. Moreira, *Compact Ground-Based Interferometric Synthetic Aperture Radar: Short-Range Structural Monitoring*, in IEEE Signal Processing Magazine, vol. 36, no. 4, pp. 42-52, July 2019. [WOS:000473483100008, [https://doi:10.1109/MSP.2019.2894987](https://doi.org/10.1109/MSP.2019.2894987), ISSN: 1053-5888, Factor de impact: 7.602] – ISI Q1

[Ris3] M. Coca, A. Anghel and M. Datcu, *Unbiased Seamless SAR Image Change Detection Based on Normalized Compression Distance*, in IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, vol. 12, no. 7, pp. 2088-2096, July 2019. [WOS:000480354800009, [doi:10.1109/JSTARS.2019.2909143](https://doi.org/10.1109/JSTARS.2019.2909143), ISSN: 1939-1404, Factor de impact 3.392] – ISI Q2

[Ris4] M. Tudose, A. Anghel, R. Cacoveanu, M. Datcu, *Pulse Radar with Field-Programmable Gate Array Range Compression for Real Time Displacement and Vibration Monitoring*, Sensors, Vol. 19, Iss. 1, Article number 82, Jan. 2019, [WOS:000458574600082, DOI: 10.3390/s19010082, ISSN: 1424-8220, Factor de impact 3.031] – ISI Q1

[Ris5] M. Tudose, A. Anghel, R. Cacoveanu, M. Datcu, *On the beat signal synchronisation of interferometric FMCW radars*, IET Radar, Sonar and Navigation, Aug. 2017, Vol. 11 Iss.: 8, pp. 1181-1187, [WOS:000406141800001, ISSN: 1751-8784, Factor de impact 2.015] – ISI Q3

[Ris6] A. Anghel, G. Vasile, C. Ioana, R. Cacoveanu, S. Ciochină, *Micro-Doppler Reconstruction in Spaceborne SAR images using Azimuth Time-Frequency Tracking of the Phase History*, IEEE Geoscience and Remote Sensing Letters, vol. 13, No. 4, pp. 604-608, April 2016. [WOS:000373009800027, [doi:10.1109/LGRS.2016.2530817](https://doi.org/10.1109/LGRS.2016.2530817), ISSN: 1545-598X, Factor de impact: 3.534] – ISI Q1

[Ris7] L. Pralon, G. Vasile, M. Dalla Mura, A. Anghel, J. Chanussot, *Spherical Symmetry of Complex Stochastic Models in Multivariate High-Resolution PolSAR Images*, IEEE Transactions on Geoscience and Remote Sensing, vol. 54, No. 7, pp. 4250-4261, July 2016. [WOS:000377478400041, [doi:10.1109/TGRS.2016.2538820](https://doi.org/10.1109/TGRS.2016.2538820), ISSN: 0196-2892, Factor de impact: 5.63] – ISI Q1

[Ris8] A. Anghel, G. Vasile, R. Boudon, G. d'Urso, A. Girard, D. Boldo, V. Bost, *Combining spaceborne SAR images with 3D point clouds for infrastructure monitoring applications*, ISPRS Journal of Photogrammetry and Remote Sensing, vol. 111, pp. 45-61, Jan. 2016. Baza ISI Thomson Reuters Web of Science [WOS:000369194800005, <https://doi.org/10.1016/j.isprsjprs.2015.11.008>, ISSN 0924-2716, Factor de impact: 6.942] – ISI Q1

[Ris9] A. Anghel, G. Vasile, R. Cacoveanu, C. Ioana, S. Ciochină, J.-P. Ovarlez, *Scattering Centers Detection and Tracking in Refocused Spaceborne SAR Images for Infrastructure Monitoring*, IEEE Transactions on Geoscience and Remote Sensing, vol.53, no.8, pp.4379-4393, Aug. 2015. Baza ISI Thomson Reuters Web of Science [WOS: 000351763800020, doi: 10.1109/TGRS.2015.2396773, ISSN 0196-2892, Factor de impact 5.63] – ISI Q1

[Ris10] A. Anghel, G. Vasile, R. Cacoveanu, C. Ioana, S. Ciochină, *Short-Range Wideband FMCW Radar for Millimetric Displacement Measurements*, IEEE Transactions on Geoscience and Remote Sensing, vol.52, no.9, pp. 5633-5642, Sept. 2014. Baza ISI Thomson Reuters Web of Science [WOS: 000337171900032, doi: 10.1109/TGRS.2013.2291573, ISSN 0196-2892, Factor de impact 5.63] – ISI Q1

[Ris11] N. Besic, G. Vasile, A. Anghel, T.-I. Petrut, C. Ioana, S. Stankovic, A. Girard, *Zernike ultrasonic tomography for fluid velocity imaging based on pipeline intrusive time-of-flight measurements*, IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, vol. 61, no. 11, pp. 1846-1855, 2014. Baza ISI Thomson Reuters Web of Science [WOS: 000345085700008, doi: 10.1109/TUFFC.2014.006515, ISSN 0885-3010, Factor de impact 2.989] – ISI Q1

[Ris12] A. Anghel, R. Cacoveanu, *Improved composite right/left-handed cell for leaky-wave antenna*, Progress In Electromagnetics Research Letters, vol. 22, pp. 59-69, 2011. [Indexat în BDI: Scopus, Compendex, ISSN: 1937-6480].

Rns - Reviste de specialitate de circulație națională recunoscute de CNCSIS.

[Rns1] Ș.-A. Toma, A.-S. Moldovan, V.-I. Ponceș, A. Anghel, D.-C. Teleagă, F. Șerban, *Interferometry Results with Ground-Based C-Band Synthetic Aperture Radar*, MTA Review, Romanian Military Technical Academy Publishing House, vol. 25, no. 3, pp. 289-298, 2015, ISSN 1843-3391. [Revistă recunoscută CNCSIS, categoria B+].

[Rns2] G. Vasile, A. Anghel, D. Boldo, R. Boudon, G. d’Urso, R. Muja, *Potential of multi-pass high-resolution SAR interferometry for dam monitoring*, MTA Review, special issue COMM conference, Romanian Military Technical Academy Publishing House, vol. 22, no. 4, pp. 235-246, 2012, ISSN 1843-3391. [Revistă recunoscută CNCSIS, categoria B+].

[Rns3] A. Anghel and R. Cacoveanu, *A new microstrip composite right/left-handed transmission line implementation*, Polytechnical University of Bucharest Scientific Bulletin, Series C, vol. 73, iss. 4, pp. 141-150, 2011, ISSN (print) 2286-3540. [Revistă recunoscută CNCSIS, categoria B+].

(f) Publicații in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate

Vis - Volumele unor manifestări științifice internaționale recunoscute, organizate in țară și străinătate, indexate ISI Thomson Reuters sau indexate in alte Baze de Date Internaționale - BDI specifice domeniului, care fac un proces de selecție a publicațiilor pe baza unor criterii de performanță.

[Vis1] A. Anghel, R. Cacoveanu, B. Rommen and M. Datcu, *Multi-Aperture Focusing in Spaceborne Transmitter-Stationary Receiver Bistatic SAR*, IEEE International Geoscience and Remote Sensing Symposium, Yokohama, Japan, 2019, pp. 1120-1123. [ISI Proceedings, WOS:000519270601098, doi: 10.1109/IGARSS.2019.8900142, ISSN: 2153-6996].

[Vis2] M. Ciuca, A. Anghel, R. Cacoveanu, B. Rommen and M. Datcu, *A Radargrammetric Approach for Spaceborne Transmitter-Stationary Receiver Bistatic SAR*, IEEE International Geoscience and Remote Sensing Symposium, Yokohama, Japan, 2019, pp. 3511-3514, [ISI Proceedings, WOS:000519270603125, doi: 10.1109/IGARSS.2019.8898191, ISSN: 2153-6996]

[Vis3] F. Rosu, A. Anghel and S. Ciochina, *Sub-Resolution Multipath Mitigation in Radar Transponders by Range Compression and Adaptive Filtering*, 2019 International Symposium on Signals, Circuits and Systems (ISSCS), Iasi, Romania, 2019, pp. 1-4, [WOS:000503459500001, doi: 10.1109/ISSCS.2019.8801726]

[Vis4] I. Voicu, S. Ciochină and A. Anghel, *A Method for Improving the Accuracy of Direction of Arrival Measurement based on Sparse Vector Estimation*, 2019 11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Pitesti, Romania, 2019, pp. 1-6, doi: 10.1109/ECAI46879.2019.9042163

[Vis5] N. Druml, O. Veleadar, G. Macher, G. Stettinger, S. Selim, J. Reckenzaun, S.E. Diaz, M. Marcano, J. Villagra, R. Beekelaar, J. Jany-Luig, M. M. Corredoira, P. Burgio, C. Ballato, B. Debaille, L. v. Meurs, A. Terechko, F. Tango, A. Ryabokon, A. Anghel, O. Icoglu, S. S. Kumar, G. Dimitrakopoulos, *PRYSTINE - Technical Progress After Year 1*, 2019 22nd Euromicro Conference on Digital System Design (DSD), Kallithea, Greece, 2019, pp. 389-398, doi: 10.1109/DSD.2019.00063.

[Vis6] A. Anghel, R. Cacoveanu and M. Datcu, *Repeat-Pass Spaceborne Transmitter-Stationary Receiver Bistatic Sar Interferometry - First Results*, IGARSS 2018 - 2018 IEEE International Geoscience and Remote Sensing Symposium, Valencia, 2018, pp. 3651-3654, [ISI Proceedings, WOS:000451039803158, DOI: 10.1109/IGARSS.2018.8517288]

[Vis7] M. Coca, A. Anghel and M. Datcu, *Normalized Compression Distance for SAR Image Change Detection*, IGARSS 2018 - 2018 IEEE International Geoscience and Remote Sensing Symposium, Valencia, 2018, pp. 5784-5787. [ISI Proceedings, WOS:000451039805154, doi: 10.1109/IGARSS.2018.8518126]

[Vis8] M. Tudose, A. Anghel, R. Cacoveanu and M. Datcu, *Electronic Target for Ground Based SAR Displacement Measurements*, 2018 International Conference on Communications (COMM), Bucharest, 2018, pp. 247-250, [ISI Proceedings, WOS:000449526000046, ISSN: 1550-3607, DOI: 10.1109/ICComm.2018.8484748]

[Vis9] F. Rosu and A. Anghel, *Low-Cost S-Band FMCW Radar-Based Short-Range Displacement Sensor*, 2018 International Conference on Communications (COMM), Bucharest, 2018, pp. 251-256. [ISI Proceedings, WOS:000449526000047, ISSN: 1550-3607, DOI: 10.1109/ICComm.2018.8484782]

[Vis10] E. Dobre, A. Anghel, *Compressive Sensing for Spaceborne Transmitter - Stationary Receiver Bistatic SAR Imaging*, Proceedings EUSAR 2018, Aachen, Germany, June 2018 [IEEE Xplore, <https://ieeexplore.ieee.org/document/8438255>]

[Vis11] M. Tudose, A. Anghel, R. Cacoveanu, M. Datcu, *Electronic target for bistatic/monostatic SAR systems*, Proceedings EUSAR 2018, Aachen, Germany, June 2018 [IEEE Xplore, <https://ieeexplore.ieee.org/document/8438124>]

[Vis12] A. Anghel, R. Cacoveanu, A. S. Moldovan, C. Savlovschi, B. Rommen and M. Datcu, *Bistatic SAR imaging with Sentinel-1 operating in TOPSAR mode*, 2017 IEEE Radar Conference (RadarConf), Seattle, WA, USA, 2017, pp. 0601-0605, [ISI Proceedings, doi: 10.1109/RADAR.2017.7944274, WOS:000405307600115, ISSN: 2375-5318]

[Vis13] A. Anghel, R. Cacoveanu and M. Datcu, *Phase sensitivity analysis of spaceborne transmitter — Stationary ground-based receiver bistatic SAR interferometry with one imaging channel*, 2017 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Fort Worth, TX, 2017, pp. 1051-1054. [ISI Proceedings, doi: 10.1109/IGARSS.2017.8127136. WOS:000426954601052]

[Vis14] O. M. Moaca, A. Anghel and M. Datcu, *Investigation of displacement measurements performed with a ground-based fixed receiver bistatic SAR simulator*, 2017 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Fort Worth, TX, 2017, pp. 3814-3817. [ISI Proceedings, doi: 10.1109/IGARSS.2017.8127831. WOS:000426954603228]

[Vis15] S. Ciochină, C. Paleologu, J. Benesty, S. Grant, A. Anghel, *A Family of Optimized LMS-Based Algorithms for System Identification*, EUSIPCO 2016, [ISI Proceedings, DOI: 10.1109/EUSIPCO.2016.7760559, WOS:000391891900343]

[Vis16] A. Anghel, R. Cacoveanu, A.-S. Moldovan, A. Popescu, M. Datcu, F. Serban, *Simplified Bistatic SAR imaging with a fixed receiver and TerraSAR-X as transmitter of opportunity - First results*, Proceedings IGARSS, July 2016, Beijing, China, pp. 2094-2097, [ISI proceedings, doi: 10.1109/IGARSS.2016.7729540, WOS:000388114602053]

[Vis17] O. Moacă, A. Popescu, A. Anghel, M. Datcu, *A bistatic SAR simulator for ground-based fixed-receiver geometry*, Proceedings IGARSS, July 2016, Beijing, China, pp. 6098-6101, [ISI proceedings, doi: 10.1109/IGARSS.2016.7730593, WOS:000388114605257]

[Vis18] A. Anghel, G. Vasile, C. Ioana, R. Cacoveanu, S. Ciochina, *On the detection of non-stationary signals in the matched signal transform domain*, Proceedings ICASSP 2016, Shanghai, China, March 2016, pp. 4204-4208 [ISI Proceedings, DOI: 10.1109/ICASSP.2016.7472469, WOS:000388373404070, ISSN 1520-6149].

[Vis19] A. Anghel, R. Cacoveanu, A. Popescu, A.-S. Moldovan, *Dual-band BISTATIC SAR System with Satellite Emitter of Opportunity and Ground-based Receiver*, COMMS 2016, June 2016, Bucharest, Romania, pp. 473-476. [ISI Proceedings, doi: 10.1109/ICComm.2016.7528268, Accession Number WOS: 000383221900096]

[Vis20] A. Anghel, G. Vasile, C. Ioana, R. Cacoveanu, S. Ciochina, *Vibration Estimation in SAR images using azimuth time-frequency tracking and a matched signal transform*, Proceedings IGARSS 2015, Milan, Italy, July 2015, pp. 2576-2579. [ISI Proceedings, doi: 10.1109/IGARSS.2015.7326338, WOS:000371696702170, ISSN 2153-6996].

[Vis21] L. Pralon, G. Vasile, A. Anghel, N. Besic, *On the robustness of the ICA based ICTD with respect to the circularity and the spherical symmetry of the POLSAR data*, Proceedings IGARSS 2015 (invited session), Milan, Italy, July 2015, pp. 1570-1573. [ISI Proceedings, doi: 10.1109/IGARSS.2015.7326082, WOS:000371696701173, ISSN 2153-6996].

[Vis22] Șt.-A. Toma, A.-S. Moldovan, V.I. Poncos, A. Anghel, D.C. Teleagă, F. Șerban, *First Results with a C-band Ground Based Synthetic Aperture Radar*, 7th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 25-27 June 2015, Bucharest, Romania. [ISI Proceedings, doi: 10.1109/ECAI.2015.7301244, WOS:000370971100109, ISSN 2378-7147].

[Vis23] A. Anghel, G. Vasile, R. Cacoveanu, C. Ioana, S. Ciochina, *Range Autofocusing for FMCW Radars using Time Warping and a Spectral Concentration Measure*, Proceedings IEEE International Radar Conference, Arlington, VA, USA, May 2015, pp. 581-586. [ISI Proceedings, doi: 10.1109/RADAR.2015.7131065, Accession Number WOS:000370972900106, ISSN 1097-5764].

[Vis24] A. Anghel, G. Vasile, C. Ioana, R. Cacoveanu, S. Ciochina, *Model-based parameters estimation of non-stationary signals using time warping and a measure of spectral concentration*, Proceedings ICASSP 2015, Brisbane, Australia, April 2015, pp. 3706-3710. [ISI Proceedings, doi: 10.1109/ICASSP.2015.7178663, WOS:000427402903164].

[Vis25] A. Anghel, G. Vasile, R. Cacoveanu, C. Ioana, S. Ciochina, J.-P. Ovarlez, R. Boudon, G. d'Urso, I. Hajnsek, *Scattering Centers Monitoring in Refocused SAR Images on a High-Resolution DEM*, Proceedings IGARSS 2014, Quebec City, Canada, July 2014, pp. 1883-1886. Baza ISI Thomson Reuters Web of Science [ISI Proceedings, DOI: 10.1109/IGARSS.2014.6946824, WOS: 000349688102153, ISSN 2153-6996].

[Vis26] A. Anghel, G. Vasile, R. Cacoveanu, C. Ioana, S. Ciochina, J.-P. Ovarlez, R. Boudon, G. d'Urso, *SAR Images Refocusing and Scattering Center Detection for Infrastructure Monitoring*, Proceedings IEEE Radar Conference 2014, Cincinnati, USA, May 2014, pp. 334-339. Baza ISI Thomson Reuters Web of Science [ISI Proceedings, WOS: 000346494600067, DOI: 10.1109/RADAR.2014.6875610, ISSN 1097-5764].

[Vis27] A. Anghel, G. Vasile, R. Cacoveanu, C. Ioana, S. Ciochina, *Nonlinearity Correction Algorithm for Wideband FMCW RADARS*, Proceedings EUSIPCO 2013, Marrakech, Morocco, September 2013. Baza ISI Thomson Reuters Web of Science [ISI Proceedings, WOS: 000341754500069].

[Vis28] A. Anghel, G. Vasile, R. Cacoveanu, C. Ioana, S. Ciochina, *Short-range FMCW X-band RADAR platform for millimetric displacements measurement*, Proceedings IGARSS 2013, Melbourne, Australia, July 2013, pp. 1111-1114. Baza ISI Thomson Reuters Web of Science [ISI Proceedings, WOS: 000345638901060, DOI: 10.1109/IGARSS.2013.6721359, ISSN 2153-6996].

[Vis29] G. Vasile, N. Besic, A. Anghel, C. Ioana, J. Chanussot, *Sphericity of complex stochastic models in multivariate SAR images*, Proceedings IGARSS 2013, Melbourne, Australia, July 2013, pp. 2994-2997. Baza ISI Thomson Reuters Web of Science [ISI Proceedings, WOS: 000345638903016, DOI: 10.1109/IGARSS.2013.6723455, ISSN 2153-6996].

[Vis30] A. Anghel, G. Vasile, R. Cacoveanu, C. Ioana, S. Ciochina, *FMCW Transceiver Wideband Sweep Nonlinearity Software Correction*, Proceedings IEEE Radar Conference 2013, Ottawa, Ontario, Canada, May 2013. Baza ISI Thomson Reuters Web of Science [ISI Proceedings, Accession Number WOS: 000332480800069, DOI: 10.1109/RADAR.2013.6586032, ISSN 1097-5764].

[Vis31] A. Anghel, G. Vasile, J.-P. Ovarlez, G. d'Urso, D. Boldo, *Stable scatterers detection and tracking in heterogeneous clutter by repeat-pass SAR Interferometry*, Proceedings EuSAR'12, 24-26 April 2012, Nuremberg, Germany, pp. 477-480. [IEEE Xplore Digital Library, Print ISBN: 978-3-8007-3404-7].