

LISTA DE LUCRĂRI

Publicații în jurnale

- 1 Mihai TOGAN, Andrei ENE, **Ștefan-Adrian TOMA**, *Privacy Preserving Vector Quantization Based Speaker Recognition System*, Proceedings Of The Romanian Academy Series A: Mathematics, Physics, Technical Sciences, Information Science, ISSN 1454-9069, 2017 (ISI journal, IF: 1.735).
- 2 **Ștefan-Adrian TOMA**, Mihai Liviu TUDOSE. *Demonstration of analog-to-information conversion for FMCW radar signals*. MTA Review, vol. XXV, no. 3, pp. 231 -242, 2015.
- 3 **Ștefan-Adrian TOMA**, Adrian MOLDOVAN, Valentin PONCOS, Andrei ANGHEL, Delia TELEAGA, Florin SERBAN. *Interferometry Results with Ground-Based C-Band Synthetic Aperture Radar*. MTA Review, vol. XXV, no. 3, pp. 289 – 298, 2015.

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- 4 **Ș. Toma**, S. Bogdan, A. Focșa and M. Pura, "On Anomalous Deformation Profile Detection Through Supervised and Unsupervised Machine Learning," IGARSS 2019 - 2019 IEEE International Geoscience and Remote Sensing Symposium, Yokohama, Japan, 2019, pp. 7419-7422.
- 5 P. Stoica, **Ș. Toma**, M. Ceaparu and M. L. Pura, "Spoken Language Detection Experiments for Romanian," 2019 International Conference on Speech Technology and Human-Computer Dialogue (SpeD), Timisoara, Romania, 2019, pp. 1-6.
- 6 A. Avram, M-L Pura, **Ș. Toma**, "Tiny Network Intrusion Detection System with High Performance," 2019 ECAI.
- 7 M. Ceaparu, **Ș. Toma**, A.I. Frunză. "Character Level Keyword Spotting in VoIP Networks," 2019 TELFOR.
- 8 **S. Toma**, D. Teleaga and V. Poncos, "Ground Stability Analysis of Constanta City, Romania Through PSI with Atmospheric Phase Screen Removal Using Era-Interim Data," IGARSS 2018 - 2018 IEEE International Geoscience and Remote Sensing Symposium, Valencia, 2018, pp. 1664-1667.
- 9 B. Sebacher, **S. Toma**, M. Lupoae and M. L. Pura, "On the Modelling of Urban Infrastructure Deformation Profiles Using the Applied Element Method and Multiple Hypothesis Testing," IGARSS 2018 - 2018 IEEE International Geoscience and Remote Sensing Symposium, Valencia, 2018, pp. 874-877.
- 10 M. Ceaparu, **S. Toma**, S. Segărceanu and I. Gavăt, "Voice-Based User Interaction System for Call-Centers, Using a Small Vocabulary for Romanian," 2018 International Conference on Communications (COMM), Bucharest, 2018, pp. 91-94.
- 11 Alexandru-Cosmin GRIVEI, Dragos Daniel TARALUNGA , Anca POPESCU, Valentin PONCOS, **Ștefan-Adrian TOMA**, Delia TELEAGA, Anca-Marina VÎJDEA, Albert BALTRES and Ioan COCIUBA, Multi-Layer Geohazards Information System Concept for Urban Areas – URMA Urban Mapping, EUSAR 2018 - 12th European Conference on Synthetic Aperture Radar, Aachen, 4-7 June 2018.

- 12 Stefan Daniel Dumitrescu, Andrei Marius Avram, Luciana Morogan and **Stefan-Adrian Toma**, *RoWordNet - A Python API for the Romanian WordNet*, ECAI 2018.
- 13 Adrian Focşa, **Stefan-Adrian Toma**, Mihai Datcu. *Maximum Entropy Image Reconstruction Applied to C-Band Ground Based Synthetic Aperture Radar*. IGARSS 2017.
- 14 Adrian-Septimiu Moldovan, **Ştefan-Adrian Toma**, Valentin Ioan Poncos, Delia Cosmina Teleagă, Florin Şerban.. *Outdoor Measurements with Ground Based C-Band Synthetic Aperture Radar*. IGARSS 2017.
- 15 Mihai-Lica Pura, Iulian Acioabanitei, **Stefan-Adrian Toma**, Didier Buchs. *CTL Formula Evaluation by Term Rewriting Inversion*, Proceedings of the International Conference on ELECTRONICS, COMPUTERS and ARTIFICIAL INTELLIGENCE - ECAI-2017, Târgovişte, 2017.
- 16 G. Suci, **Ş. A. Toma** and R. Cheveresan, *Towards a continuous speech corpus for banking domain automatic speech recognition*, 2017 International Conference on Speech Technology and Human-Computer Dialogue (SpeD), Bucharest, 2017, pp. 1-6.
- 17 **Ş. A. Toma**, A. Stan, M. L. Pura and T. Bârsan, *MaRePhoR — An open access machine-readable phonetic dictionary for Romanian*, 2017 International Conference on Speech Technology and Human-Computer Dialogue (SpeD), Bucharest, 2017, pp. 1-6.
- 18 **Ştefan-Adrian Toma**, Adrian-Septimiu Moldovan, Valentin Ioan Poncos, Andrei Anghel, Delia Cosmina Teleagă, Florin Şerban. *First Results with a C-band Ground Based Synthetic Aperture Radar*. Proceedings of the 7th International Conference on Electronics Computers and Artificial Intelligence, ECAI, Bucureşti, 2015.
- 19 Valentin Poncos, Delia Teleaga, Mohamed Amine Boukhemacha, **Stefan Adrian Toma**, Florin Serban. *Study of Urban Instability Phenomena In Bucharest City Based On PS-INSAR*. IGARSS 2014.
- 20 Bîrsan T. şi **Toma, S.-A.** *On grapheme to phoneme conversion for Romanian using Pronunciation by Analogy*, În Proceedings of the 9th International Conference on Communications 2012, Bucharest, 2012.
- 21 **Toma, S.-A.**, Târşa, G.-I., Oancea, E., Munteanu, D.-P., Totir, F., Anton, L.. *A TD-PSOLA based method for speech synthesis and compression*, În Proceedings of the 8th International Conference on Communications 2010, pp. 123-126, Bucharest, 2010.
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- 25 **Toma S.A.**, Munteanu D.P. *Rule-based automatic phonetic transcription for the Romanian language*, Proceedings of the first international conference on creative content technologies - CONTENT 2009, 15 – 20 November 2009.

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- 26 **Stefan-Adrian TOMA**. *Metode pentru Îmbunătățirea Rezoluției în Distanță a Senzorilor SAR cu Compresia Impulsului*, Editura Matrixrom, 2017. ISBN 978-606-25-0360-4
- 27 Cezar PLEȘCA, **Stefan-Adrian TOMA**, Stelian SPÎNU. *Tehnici de Watermarking pentru Multimedia*, Editura ATM, ISBN 978-973-640-117-6, pagini 1-200, 2017.
- 28 **Toma Ștefan-Adrian**, Munteanu Doru-Petru. *Procesoare Numerice de Semnal – Îndrumar de laborator*. Editura Academiei Tehnice Militare, 2013. ISBN 978-973-640-221-0.

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- 29 Marian Ceaparu, **Stefan-Adrian Toma**, Svetlana Segarceanu, George Suciu, Inge Gavut. "Multifactor voice-based authentication system". Proceedings of Fourth International Scientific Conference "Telecommunications, Informatics, Energy and Management. TIEM'2019. ISSN 2367-8437.
- 30 CHARACTER-LEVEL KEYWORD SPOTTING USING BIDIRECTIONAL LSTM-CTC, IN VoIP NETWORKS Tiberiu Boros, Stefan Daniel Dumitrescu, Eric Curea, Marian Ceaparu, and **Ștefan-Adrian Toma**. TMLSS (poster)
- 31 Valentin Poncos, Delia Teleaga, **Stefan-Adrian Toma**, Florin Serban, Manole Stelian Serbulea, Rodica Nicolae. Infrastructure stability monitoring in Romania using TeraSAR-X data. TerraSAR-X / TanDEM-X Science Team Meeting, 17-20 October 2016, DLR Oberpfaffenhofen, Germany, 2016. (conference poster)
- 32 **Stefan-Adrian Toma**. Monitorizarea deformării solului și elementelor de infrastructură cu ajutorul radarelor cu apertură sintetică. Conferința (VIII) Impactul Transformărilor Socio-Economice și Tehnologice la Nivel National, European și Mondial, București, 2015. (conference presentation)
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- 34 Mihai Radu, **Toma Ștefan-Adrian** and Popescu Florin, Aspects regarding synthetic speech quality evaluations for military systems, Advances in Spoken Language Technology, pp. 99-108, Romanian Academy Publishing House, 2007.
- 35 Florin POPESCU, **Ștefan-Adrian TOMA**, Constantin Vizitiu, Speech Coding in Military Communication Networks, The 3RD INTERNATIONAL CONFERENCE New Challenges In The Field of Military Sciences 2005.
- 36 **Toma Ștefan-Adrian**, Popescu Florin, Web Based Application for Subjective Codec Quality Evaluations, Proceedings of the „Tehnologii moderne în secolul XXI”, Academia Tehnică Militară, Bucharest, 2007.

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- 39 Stefan Florin Balan, Valentin Poncos, Delia Teleaga, **Stefan-Adrian Toma**, Bogdan Felix Apostol. *Buildings Safety Through Satellite Monitoring* International Multidisciplinary Scientific GeoConference : SGEM; Sofia, Vol. 3, (2016).