

**Lista de lucrări publicate
conf. dr. ing. Adriana STAN**

În jurnale internaționale cotate ISI [Q1, Q2]

1. **Adriana Stan**, "Residual Information in Deep Speaker Embedding Architectures", In Mathematics, vol. 10, no. 21, 2022. <https://www.mdpi.com/2227-7390/10/21/3927>
2. Beáta Lőrincz, Elena Irimia, **Adriana Stan**, Verginica Barbu Mititelu, "RoLEX: The development of an extended Romanian lexical dataset and its evaluation at predicting concurrent lexical information", In Natural Language Engineering, Cambridge University Press, pp. 1–26, 2022, <https://www.cambridge.org/core/journals/natural-language-engineering/article/rolex-the-development-of-an-extended-romanian-lexical-dataset-and-its-evaluation-at-predicting-concurrent-lexical-information/96A3933A2028BD8EE605E0E672A57EB2>
3. Dan Oneață, Beáta Lőrincz, **Adriana Stan**, Horia Cucu, "FlexLip: A Controllable Text-to-Lip System", In Special Issue Future Speech Interfaces with Sensors and Machine Intelligence, Sensors, MDPI, vol. 22, 2022. <https://www.mdpi.com/1424-8220/22/11/4104>
4. **Adriana Stan**, Yoshitaka Mamiya, Junichi Yamagishi, Peter Bell, Oliver Watts, Rob Clark, Simon King, *ALISA: An automatic lightly supervised speech segmentation and alignment tool*, in Computer, Speech and Language, vol. 35, pp. 116-133, 2016, DOI: 10.1016/j.csl.2015.06.006 <http://www.sciencedirect.com/science/article/pii/S0885230815000650>
5. **Adriana Stan**, Junichi Yamagishi, Simon King, Matthew Aylett, *The Romanian Speech Synthesis (RSS) corpus: building a high quality HMM-based speech synthesis system using a high sampling rate*, Speech Communication vol 53, pg. 442-450, 2011, 2011, DOI: 10.1016/j.specom.2010.12.002 <http://www.sciencedirect.com/science/article/pii/S0167639310002074>

În volume ale conferințelor internaționale

1. **Adriana Stan**, "The ZevomOS entry to VoiceMOS Challenge 2022", In Proc. Interspeech 2022, pp. 4516-4520, 2022. https://www.isca-speech.org/archive/interspeech_2022/stan22_interspeech.html
2. **Adriana Stan**, Beáta Lőrincz, Maria Nuțu, Mircea Giurgiu, "The MARA corpus: Expressivity in end-to-end TTS systems using synthesised speech data", In Proceedings of SpeD, 2021 <https://ieeexplore.ieee.org/document/9587438>
3. Beata Lorincz, **Adriana Stan**, Mircea Giurgiu, "An objective evaluation of the effects of recording conditions and speaker characteristics in multi-speaker deep neural speech synthesis", Proc. of 25th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2021) <https://www.sciencedirect.com/science/article/pii/S1877050921015660>

4. Ștefan Daniel Dumitrescu, Petru Rebeja, Beáta Lőrincz, Mihaela Gaman, Andrei Avram, Mihai Ilie, Andrei Pruteanu, **Adriana Stan**, Lorena Rosia, Cristina Iacobescu, Luciana Morogan, George Dima, Gabriel Marchidan, Traian Rebedea, Mădălina Chitez, Dani Yogatama, Sebastian Ruder, Radu Tudor Ionescu, Răzvan Pașcanu, Viorica Pătrăucean, "Liro: Benchmark and leaderboard for Romanian language tasks", In Proceedings of NeurIPS, 2021.
<https://datasets-benchmarks-proceedings.neurips.cc/paper/2021/hash/5f93f983524def3dca464469d2cf9f3e-Abstract-round1.html>
5. Dan Oneață, **Adriana Stan**, Horia Cucu, "Speaker disentanglement in video-to-speech conversion", Proc. of EUSIPCO 2021, <https://ieeexplore.ieee.org/document/9616266>
6. Dan Oneață, Alexandru Caranica, **Adriana Stan**, Horia Cucu, "An Evaluation of Word-level Confidence Estimation for end-to-end Automatic Speech Recognition", In Proceedings of the 8th IEEE Spoken Language Technology Workshop (SLT 2021), Shenzhen, China, 2021.
<https://ieeexplore.ieee.org/abstract/document/9383570>
7. Beata Lorincz, **Adriana Stan**, Mircea Giurgiu, "Speaker verification-derived loss and data augmentation for DNN-based multispeaker speech synthesis", Proc. of EUSIPCO 2021, <https://ieeexplore.ieee.org/document/9616305>
8. Georgiana Săracu, **Adriana Stan**, "An analysis of the data efficiency in Tacotron2 speech synthesis system", In Proceedings of SPED, 2021.
<https://ieeexplore.ieee.org/document/9587411>
9. Beáta Lőrincz, **Adriana Stan**, Mircea Giurgiu, "Speaker verification-derived loss and data augmentation for DNN-based multispeaker speech synthesis", In Proceedings of EUSIPCO, 2021. <https://ieeexplore.ieee.org/document/9616305>
10. Beáta Lőrincz, Maria Nuțu, **Adriana Stan**, Mircea Giurgiu, "An Evaluation of Postfiltering for Deep Learning-based Speech Synthesis with Limited Data", In Proc. of 2020 IEEE 10th International Conference on Intelligent Systems, 2020
<https://ieeexplore.ieee.org/document/9199932>
11. **Adriana Stan**, "RECOApy: Data recording, pre-processing and phonetic transcription for end-to-end speech-based applications", In Proceedings of Interspeech, Shanghai, China, 2020. https://www.isca-speech.org/archive/Interspeech_2020/abstracts/1184.html
12. Kristen Scott, Simone Ashby, **Adriana Stan**, "Designing a Synthesized Content Feed System for Community Radio", In Proc. of NordICHI, Tallinn, Estonia, 2020.
<https://dl.acm.org/doi/abs/10.1145/3419249.3420177>
13. Beáta Lőrincz, Maria Nuțu, **Adriana Stan**, "Romanian Part of Speech Tagging using LSTM Networks", In Proceedings of the IEEE 15th International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, Romania, 2019.
<https://ieeexplore.ieee.org/document/8959730>
14. **Adriana Stan**, "Input Encoding for Sequence-to-Sequence Learning of Romanian Grapheme-to-Phoneme Conversion", In Proceedings of the 10th IEEE International Conference on Speech Technology and Human-Computer Dialogue (SpeD), Timisoara, Romania, 2019 <https://ieeexplore.ieee.org/document/8906639>

15. Maria Nuțu, Beáta Lőrincz, **Adriana Stan**, "Deep Learning for Automatic Diacritics Restoration in Romanian", In Proceedings of the IEEE 15th International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, Romania, 2019.
<https://ieeexplore.ieee.org/document/8959557>
16. David A. Braude, Matthew P. Aylett, Caoimhin Laoide-Kemp, Simone Ashby, Kristen M. Scott, Brian O Raghallaigh, Anna Braudo, Alex Brouwer, **Adriana Stan**, "All Together Now: The Living Audio Dataset", In Proceedings of Interspeech, Graz, Austria, 2019.
https://www.isca-speech.org/archive/Interspeech_2019/abstracts/2448.html
17. **Adriana Stan**, Florina Dinescu, Cristina Tiple, Serban Meza, Bogdan Orza, Magdalena Chirila, Mircea Giurgiu, "The SWARA Speech Corpus: A Large Parallel Romanian Read Speech Dataset", In Proceedings of the 9th Conference on Speech Technology and Human-Computer Dialogue (SpeD), Bucharest, Romania, 2017
<https://ieeexplore.ieee.org/document/7990428>
18. Stefan-Adrian Toma, **Adriana Stan**, Mihai-Lica Pura, Traian Barsan, "MaRePhoR - An Open Access Machine-Readable Phonetic Dictionary for Romanian", In Proceedings of the 9th Conference on Speech Technology and Human-Computer Dialogue (SpeD), Bucharest, Romania, 2017. <https://ieeexplore.ieee.org/document/7990435>
19. **Adriana Stan**, Cassia Valentini-Botinhao, Bogdan Orza, Mircea Giurgiu, "Blind Speech Segmentation using Spectrogram-image Based Features and Mel Cepstral Coefficients", In Proc. IEEE Workshop on Spoken Language Technology, San Diego, USA, 2016.
<https://ieeexplore.ieee.org/document/7846324>
20. Alexandru Moldovan, **Adriana Stan**, Mircea Giurgiu, "Improving Sentence-level Alignment of Speech with Imperfect Transcripts using Utterance Concatenation and VAD", In Proc. of IEEE ICCP, Cluj-Napoca, Romania, 2016 <https://ieeexplore.ieee.org/document/7737141>
21. **A. Stan**, C. Valentini-Botinhao, M. Giurgiu, S. King, "Phonetic Segmentation of Speech using STEP and t-SNE", in Proc. 8Th International Conference on Speech Technology and Human-Computer Dialogue (SpeD), București, Romania, 2015.<https://ieeexplore.ieee.org/document/7343105>
22. J. Domokos, **A. Stan**, M. Giurgiu, *An Approach to Lexical Stress Detection from Transcribed Continuous Speech using Acoustic Features*, in Proc. 22Nd Telecommunications Forum, Belgrade, Serbia, 2014.
<https://ieeexplore.ieee.org/document/7034462>
23. Tiberiu Boros, **Adriana Stan**, Oliver Watts, Stefan Daniel Dumitrescu, *RSS-TOBI - A Prosodically Enhanced Romanian Speech Corpus*, In Proc. The 9th edition of the Language Resources and Evaluation Conference, Reykjavik, Iceland, 2014
<http://www.lrec-conf.org/proceedings/lrec2014/index.html>
24. O. Watts, S. Gangireddy, J. Yamagishi, S. King, S. Renals, **A. Stan**, M. Giurgiu, "Neural Net Word Representations for Phrase-Break Prediction Without a Part of Speech Tagger", In Proc. IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Florence, Italy, 2014. <https://ieeexplore.ieee.org/document/6854070/>
25. Oliver Watts, **Adriana Stan**, Antti Suni, M. Burgos, J.M. Montero, *The Simple4All entry to the Blizzard Challenge 2013*, Proc. of Blizzard Challenge 2013, Barcelona, Spain, 2013
<http://festvox.org/blizzard/blizzard2013.html>

26. Ioana Muresan, **Adriana Stan**, Mircea Giurgiu, Rodica Potolea, "Evaluation of Sentiment Polarity Prediction using a Dimensional and a Categorical Approach", In Proc. SPED, Cluj-Napoca, Romania, 2013. <https://ieeexplore.ieee.org/document/6682645>
27. Yoshitaka. Mamiya, **Adrian Stan**, Junichi Yamagishi, Peter Bell, Oliver Watts, Robert Clark, Simon King, "Using Adaptation to Improve Speech Transcription Alignment in Noisy and Reverberant Environments", In Proc. SSW8, Barcelona, Spain, August 2013
<http://ssw8.talp.cat/papers/ssw8.html>
28. Oliver Watts, **Adriana Stan**, Robert Clark, Yoshitaka Mamiya, Mircea Giurgiu, Junichi Yamagishi, Simon King, "Unsupervised and lightly-supervised learning for rapid construction of TTS systems in multiple languages from 'found' data: evaluation and analysis", In Proc. Speech Synthesis Workshop 8, Barcelona, Spain, August 2013
<http://ssw8.talp.cat/papers/ssw8.html>
29. **Adriana Stan**, Oliver Watts, Yoshitaka Mamiya, Mircea Giurgiu, Robert Clark, Junichi Yamagishi, Simon King, "TUNDRA: A Multilingual Corpus of Found Data for TTS Research Created with Light Supervision", In Proc. Interspeech, Lyon, France, August 2013
http://www.isca-speech.org/archive/interspeech_2013/i13_2331.html
30. Yoshitaka Mamiya, Junichi Yamagishi, Oliver Watts, Robert A.J. Clark, Simon King and **Adriana Stan**, "Lightly Supervised GMM VAD to use Audiobook for Speech Synthesiser", In Proc. ICASSP, May 2013. <https://ieeexplore.ieee.org/document/6639220>
31. **Adriana Stan**, Peter Bell, Simon King, "A grapheme-based method for automatic alignment of speech and text data", In Proc. IEEE Workshop on Spoken Language Technology, Miami, Florida, USA, December 2012. <https://ieeexplore.ieee.org/document/6424237>
32. **Adriana Stan**, Mircea Giurgiu, "A Superpositional Model Applied to F0 Parametrisation using DCT for Text-to-Speech Synthesis", In Proceedings of the 6th Conference on Speech Technology and Human-Computer Dialogue, May 2011, Braşov, România, DOI: 10.1109/SPED.2011.5940734. <https://ieeexplore.ieee.org/document/5940734>
33. **Adriana Stan**, Florin-Claudiu Pop, Marcel Cremene, Mircea Giurgiu, Denis Pallez, "Interactive Intonation Optimisation Using CMA-ES and DCT Parametrisation of the F0 Contour for Speech Synthesis", In Nature Inspired Cooperative Strategies for Optimisation, pg. 51-77, vol. 387, Springer, 2012, DOI: 10.1007/978-3-642-24094-2_4, ISBN: 978-3-642-24093-5. http://link.springer.com/chapter/10.1007%2F978-3-642-24094-2_4
34. **Adriana Stan**, Mircea Giurgiu, "Romanian language statistics and resources for text-to-speech systems", In Proceedings of the 9th Edition of the International Symposium on Electronics and Telecommunications, pg. 381-384, November 2010, Timişoara, România, DOI: 10.1109/ISETC.2010.5679318
<https://ieeexplore.ieee.org/document/5679318>
35. **Adriana Stan**, "Linear Interpolation of Spectrotemporal Excitation Pattern Representations for Automatic Speech Recognition in the Presence of Noise", In Proceedings of the 5th Conference on Speech Technology and Human-Computer Dialogue, June 2009, Constanţa, România, DOI: 10.1109/SPED.2009.5156188.
<https://ieeexplore.ieee.org/document/5156188>

Adriana Stan, Romanian HMM-based Speech Synthesis System with Interactive Intonation Optimisation, advisor: prof.dr.ing. Mircea Giurgiu, Technical University of Cluj-Napoca, 16 september 2011. <http://adrianastan.com/docs/PhDThesisSTAN2011.pdf>

Cărți și capitole în cărți:

1. **Adriana Stan**, "Introducere în Python folosind Google Colab", UTPress, Cluj-Napoca, Romania, 2022, ISBN 978-606-737-593-0, <https://biblioteca.utcluj.ro/files/carti-online-cu-coperta/593-0.pdf>
2. **Adriana Stan**, Beáta Lőrincz, "Generating the Voice of the Interactive Virtual Assistant", Chapter in Virtual Assistants, ISBN 978-1-83968-808-9 IntechOpen, 2021. <https://www.intechopen.com/online-first/generating-the-voice-of-the-interactive-virtual-assistant>
3. **Adriana Stan**, Mircea Giurgiu, "Prelucrarea semnalului vocal folosind Python", UTPress, Cluj-Napoca, ISBN 978-606-737-502-2, 2021, <https://biblioteca.utcluj.ro/files/carti-online-cu-coperta/502-2.pdf>
4. Cosmin Strilețchi, Ligia Chiorean, Mircea F. Vaida, **Adriana Stan**, Ștefan Dragoș, Tehnologii Java orientate spre aplicații cross-platform, Casa Cărții de Știință, Cluj-Napoca, ISBN 978-606-17-1619-4, 2020
5. Cosmin Strilețchi, Mircea F. Vaida, Ligia Chiorean, **Adriana Stan**, Noțiuni esențiale și tehnologice specifice limbajului Java, Casa Cărții de Știință, Cluj-Napoca, ISBN 978-606-17-1363-9, 2018
6. Bogdan Orza, **Adriana Stan**, "Managementul Bazelor de Date", Editura UT Press, 2012, ISBN: 978-973-662-766-8

4 aprilie 2023

dr.ing. **Adriana STAN**