

Listă de lucrări științifice – Radu Tudor Ionescu

Articole științifice publicate în reviste internaționale indexate ISI:

8. R.T. Ionescu, A.L. Ionescu, J. Mothe, D. Popescu. Patch Autocorrelation Features: A translation and rotation invariant approach for image classification. *Artificial Intelligence Review*, 49(4): 549–580, 2018.
7. R.T. Ionescu, M. Popescu, A. Cahill. String Kernels for Native Language Identification: Insights from Behind the Curtains. *Computational Linguistics*, 42(3):491–525, 2016.
6. R.T. Ionescu, A.L. Popescu, M. Popescu, D. Popescu. BiomassID: A biomass type identification system for mobile devices. *Computers and Electronics in Agriculture*, vol. 113, pp. 244–253, 2015.
5. R.T. Ionescu, M. Popescu. PQ kernel: A rank correlation kernel for visual word histograms. *Pattern Recognition Letters*, 55(1):51–57, 2015.
4. I.J. Goodfellow, D. Erhan, P.L. Carrier, A. Courville, M. Mirza, B. Hamner, W. Cukierski, Y. Tang, D. Thaler, D.-H. Lee, Y. Zhou, C. Ramaiah, F. Feng, R. Li, X. Wang, D. Athanasakis, J. Shawe-Taylor, M. Milakov, J. Park, R.T. Ionescu, M. Popescu, C. Grozea, J. Bergstra, J. Xie, L. Romaszko, B. Xu, Z. Chuang, Y. Bengio. Challenges in Representation Learning: A report on three machine learning contests. *Neural Networks*, vol. 64, pp. 59–63, 2015.
3. L.P. Dinu, R.T. Ionescu, A.I. Tomescu. A Rank-Based Sequence Aligner with Applications in Phylogenetic Analysis. *PLoS One* 9(8): e104006, 2014.
2. L.P. Dinu, R.T. Ionescu. Clustering based on Median and Closest String via Rank Distance with Applications on DNA. *Neural Computing and Applications*, vol. 24, pp. 77–84, 2014.
1. L.P. Dinu, R.T. Ionescu. An Efficient Rank Based Approach for Closest String and Closest Substring. *PLoS One* 7(6): e37576, 2012.

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1. A.G. Chifu, R.T. Ionescu. Word Sense Disambiguation to Improve Precision for Ambiguous Queries. *Central European Journal of Computer Science*, 2(4):398–411, 2012.

Articole științifice publicate în volumele conferințelor de categorie A*, A, B C și în workshop-uri asociate conferințelor:

35. M. Cozma, A.M. Butnaru, R.T. Ionescu. Automated essay scoring with string kernels and word embeddings. In *Proceedings of ACL*, 2018 (to appear).
34. A. Butnaru, R.T. Ionescu. UnibucKernel: A kernel-based learning method for complex word identification. In *Proceedings of the BEA-13 Workshop of NAACL*, 2018 (to appear).
33. R.T. Ionescu, S. Smeureanu, B. Alexe, M. Popescu. Unmasking the abnormal events in video. In *Proceedings of ICCV*, pp. 2895–2903, 2017.
32. R.T. Ionescu, M. Popescu. Can string kernels pass the test of time in Native Language Identification? In *Proceedings of the BEA-12 Workshop of EMNLP*, pp. 224–234, 2017.
31. S. Smeureanu, R.T. Ionescu, M. Popescu, B. Alexe. Deep Appearance Features for Abnormal Behavior Detection in Video. In *Proceedings of ICIAP*, 10485:779–789, 2017.
30. R.T. Ionescu, M. Popescu, C. Conly, V. Athitsos. Local Frame Match Distance: A Novel Approach for Exemplar Gesture Recognition. In *Proceedings of EUSIPCO*, pp. 818–822, 2017.
29. A. Butnaru, R.T. Ionescu. From Image to Text Classification: A Novel Approach based on Clustering Word Embeddings. In *Proceedings of KES*, 112:1784–1793, 2017.

28. M. Popescu, C. Grozea, R.T. Ionescu. HASKER: An efficient algorithm for string kernels. Application to polarity classification in various languages. In Proceedings of KES, 112:1756–1764, 2017.
27. R.T. Ionescu, A. Butnaru. Learning to Identify Arabic and German Dialects using Multiple Kernels. In Proceedings of VarDial Workshop of EACL, pp. 200–209, 2017.
26. A. Butnaru, R.T. Ionescu, F. Hristea. ShotgunWSD: An unsupervised algorithm for global word sense disambiguation inspired by DNA sequencing. In Proceedings of EACL, pp. 915–925, 2017.
25. R.T. Ionescu, M. Popescu. UnibucKernel: An Approach for Arabic Dialect Identification based on Multiple String Kernels. In Proceedings of VarDial Workshop of COLING, pp. 135–144, 2016.
24. R.T. Ionescu. Measuring the Local Non-Alignment Between Objects: Applications to Different Domains. In Proceedings of KES, 96:838–847, 2016.
23. R.T. Ionescu, B. Alexe, M. Leordeanu, M. Popescu, D. Papadopoulos, V. Ferrari. How hard can it be? Estimating the difficulty of visual search in an image. In Proceedings of CVPR, pp. 2157–2166, 2016.
22. R.T. Ionescu. A Fast Algorithm for Local Rank Distance: Application to Arabic Native Language Identification. In Proceedings of ICONIP, 9490:390–400, 2015.
21. R.T. Ionescu, A.L. Popescu, D. Popescu. Texture Classification with Patch Autocorrelation Features. In Proceedings of ICONIP, 9489:1–11, 2015.
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19. R.T. Ionescu, M. Popescu. Have a SNAK. Encoding spatial information with the Spatial Non-Alignment Kernel. In Proceedings of ICIAP, 9279:97–108, 2015.
18. R.T. Ionescu. Sailing your ship in different seas: A wonderful journey from text and DNA to images and back. In Proceedings of DACS (CiE affiliated workshop), pp. 23–30, 2015.
17. R.T. Ionescu, A.L. Popescu, D. Popescu. Patch Autocorrelation Features for Optical Character Recognition. In Proceedings of VISAPP, pp. 419–426, 2015.
16. R.T. Ionescu, M. Popescu, A. Cahill. Can characters reveal your native language? A language-independent approach to native language identification. In Proceedings of EMNLP, pp. 1363–1373, 2014.
15. R.T. Ionescu, M. Popescu. Objectness to Improve the Bag of Visual Words Model. In Proceedings of ICIP, pp. 3238–3242, 2014.
14. R.T. Ionescu, A.L. Popescu, M. Popescu. Texture Classification with the PQ Kernel. In Proceedings of WSCG, pp. 111–118, 2014.
13. R.T. Ionescu, A.L. Popescu, D. Popescu, M. Popescu. Local Texton Dissimilarity with Applications on Biomass Classification. In Proceedings of VISAPP, pp. 593–600, 2014.
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10. L.P. Dinu, R.T. Ionescu. An Efficient Algorithm for Rank Distance Consensus. In Proceedings of AI*IA, 8249:505–516, 2013.

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7. R.T. Ionescu, M. Popescu, C. Grozea. Local Learning to Improve Bag of Visual Words Model for Facial Expression Recognition. Workshop on Challenges in Representation Learning, ICML, 2013.
6. M. Popescu, R.T. Ionescu. The Story of the Characters, the DNA, and the Native Language. In Proceedings of the BEA-8 Workshop of NAACL, pp. 270–278, 2013.
5. L.P. Dinu, R.T. Ionescu. Clustering based on Rank Distance with Applications on DNA. In Proceedings of ICONIP, 7667:722–729, 2012.
4. L.P. Dinu, R.T. Ionescu, M. Popescu. Local Patch Dissimilarity for Images. In Proceedings of ICONIP, 7663:117–126, 2012.
3. L.P. Dinu, R.T. Ionescu. Clustering based on Closest String via Rank Distance. In Proceedings of SYNASC, pp. 207–214, 2012.
2. L.P. Dinu, R.T. Ionescu. A Rank-based Approach of Cosine Similarity with Applications in Automatic Classification. In Proceedings of SYNASC, pp. 260–264, 2012.
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2. A.L. Popescu, R.T. Ionescu, D. Popescu. A Spatial Pyramid Approach for Texture Classification. In Proceedings of ISEEE, pp. 1–6, 2013.
1. A.L. Popescu, D. Popescu, R.T. Ionescu, N. Angelescu, R. Cojocaru. Efficient Fractal Method for Texture Classification. In Proceedings of ICSCS, pp. 44–49, 2013.