

## (b) PRODUCȚIA ȘTIINȚIFICĂ

Articole științifice publicate în reviste indexate ISI sau DBLP:

Nr. Crt.	An	Referință bibliografică	Categorie	Nr. autori	Punctaj
9	2018	R.T. Ionescu, A.L. Ionescu, J. Mothe, D. Popescu. Patch Autocorrelation Features: A translation and rotation invariant approach for image classification. <i>Artificial Intelligence Review</i> , 49(4): 549–580, 2018.	B	4	2
8	2016	R.T. Ionescu, M. Popescu, A. Cahill. String Kernels for Native Language Identification: Insights from Behind the Curtains. <i>Computational Linguistics</i> , 42(3):491–525, 2016.	A	3	8
7	2015	R.T. Ionescu, A.L. Popescu, M. Popescu, D. Popescu. BiomassID: A biomass type identification system for mobile devices. <i>Computers and Electronics in Agriculture</i> , vol. 113, pp. 244–253, 2015.	B	4	2
6	2015	R.T. Ionescu, M. Popescu. PQ kernel: A rank correlation kernel for visual word histograms. <i>Pattern Recognition Letters</i> , 55(1):51–57, 2015.	A	2	8
5	2015	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. <i>Neural Networks</i> , vol. 64, pp. 59–63, 2015.	A	28	0.31
4	2014	L.P. Dinu, R.T. Ionescu, A.I. Tomescu. A Rank-Based Sequence Aligner with Applications in Phylogenetic Analysis. <i>PLoS One</i> 9(8): e104006, 2014.	A	3	8
3	2014	L.P. Dinu, R.T. Ionescu. Clustering based on Median and Closest String via Rank Distance with Applications on DNA. <i>Neural Computing and Applications</i> , vol. 24, pp. 77–84, 2014.	C	2	2
2	2012	L.P. Dinu, R.T. Ionescu. An Efficient Rank Based Approach for Closest String and Closest Substring. <i>PLoS One</i> 7(6): e37576, 2012.	A	2	8
1	2012	A.G. Chifu, R.T. Ionescu. Word Sense Disambiguation to Improve Precision for Ambiguous Queries. <i>Central European Journal of Computer Science</i> , 2(4):398–411, 2012.	D	2	0
<b>TOTAL PUNCTAJ</b>					<b>38.31</b>

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

Nr. Crt.	An	Referință bibliografică	Categorie	Nr. autori	Punctaj
37	2018	M. Cozma, A. Butnaru, R.T. Ionescu. Automated essay scoring with string kernels and word embeddings. In Proceedings of ACL, 2018.	A*	3	12
36	2018	A. Butnaru, R.T. Ionescu. UnibuckKernel: A kernel-based learning method for complex word identification. In Proceedings of the BEA-13 Workshop of NAACL, 2018.	B	2	4
35	2017	R.T. Ionescu, S. Smeureanu, B. Alexe, M. Popescu. Unmasking the abnormal events in video. In Proceedings of ICCV, pp. 2895–2903, 2017.	A*	4	6
34	2017	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.	B	2	4
33	2017	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.	B	4	2
32	2017	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.	B	4	2
31	2017	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.	B	2	4
30	2017	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.	B	3	4
29	2017	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.	B	2	4
28	2017	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.	A	3	8
27	2016	R.T. Ionescu, M. Popescu. UnibuckKernel: An Approach for Arabic Dialect Identification based on Multiple String Kernels. In Proceedings of VarDial Workshop of COLING, pp. 135–144, 2016.	B	2	4
26	2016	R.T. Ionescu. Measuring the Local Non-Alignment	B	1	4

		Between Objects: Applications to Different Domains. In Proceedings of KES, 96:838–847, 2016.			
25	2016	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.	A	6	2
24	2015	R.T. Ionescu. A Fast Algorithm for Local Rank Distance: Application to Arabic Native Language Identification. In Proceedings of ICONIP, 9490:390–400, 2015.	A	1	8
23	2015	R.T. Ionescu, A.L. Popescu, D. Popescu. Texture Classification with Patch Autocorrelation Features. In Proceedings of ICONIP, 9489:1–11, 2015.	A	3	8
22	2015	R.T. Ionescu, A.G. Chifu, J. Mothe. DeShaTo: Describing the Shape of Cumulative Topic Distributions to Rank Retrieval Systems without Relevance Judgments. In Proceedings of SPIRE, 9309:75–82, 2015.	B	3	4
21	2015	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.	B	2	4
20	2015	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.	C	1	2
19	2015	R.T. Ionescu, A.L. Popescu, D. Popescu. Patch Autocorrelation Features for Optical Character Recognition. In Proceedings of VISAPP, pp. 419–426, 2015.	C	3	2
18	2014	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.	A	3	8
17	2014	R.T. Ionescu, M. Popescu. Objectness to Improve the Bag of Visual Words Model. In Proceedings of ICIP, pp. 3238–3242, 2014.	B	2	4
16	2014	R.T. Ionescu, A.L. Popescu, M. Popescu. Texture Classification with the PQ Kernel. Proceedings of WSCG, pp. 111–118, 2014.	B	3	4
15	2014	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.	C	4	1
14	2013	R.T. Ionescu. Local Rank Distance. In Proceedings of SYNASC, pp. 219–226, 2013.	C	1	2
13	2013	I.J. Goodfellow, D. Erhan, P.L. Carrier, A. Courville,	A	28	0.31

		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. In Proceedings of ICONIP, 8228:117–124, 2013.			
12	2013	L.P. Dinu, R.T. Ionescu. An Efficient Algorithm for Rank Distance Consensus. In Proceedings of AI*IA, 8249:505–516, 2013.	B	2	4
11	2013	A.L. Popescu, R.T. Ionescu, D. Popescu. A Spatial Pyramid Approach for Texture Classification. In Proceedings of ISEEE, pp. 1–6, 2013.	D	3	0
10	2013	R.T. Ionescu, M. Popescu. Speeding up Local Patch Dissimilarity. In Proceedings of ICIAP, 8156:1–10, 2013.	B	2	4
9	2013	R.T. Ionescu, M. Popescu. Kernels for Visual Words Histograms. In Proceedings of ICIAP, 8156:81–90, 2013.	B	2	4
8	2013	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.	B	3	4
7	2013	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.	B	2	4
6	2013	A.L. Popescu, D. Popescu, R.T. Ionescu, N. Angelescu, R. Cojocar. Efficient Fractal Method for Texture Classification. In Proceedings of ICSCS, pp. 44–49, 2013.	D	5	0
5	2012	L.P. Dinu, R.T. Ionescu. Clustering based on Rank Distance with Applications on DNA. In Proceedings of ICONIP, 7667:722–729, 2012.	A	2	8
4	2012	L.P. Dinu, R.T. Ionescu, M. Popescu. Local Patch Dissimilarity for Images. In Proceedings of ICONIP, 7663:117–126, 2012.	A	3	8
3	2012	L.P. Dinu, R.T. Ionescu. Clustering based on Closest String via Rank Distance. In Proceedings of SYNASC, pp. 207–214, 2012.	C	2	2
2	2012	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.	C	2	2
1	2011	L.P. Dinu, R.T. Ionescu. A genetic approximation for	C	2	2

		closest string via rank distance. In Proceedings of SYNASC, pp. 207–215, 2011.			
<b>TOTAL PUNCTAJ</b>					149.31

**TOTAL PRODUCȚIE ȘTIINȚIFICĂ = 187.62**  
**TOTAL CATEGORIA A ȘI A\* = 94.62**  
**TOTAL CATEGORIA B = 72.00**

## (c) IMPACTUL REZULTATELOR

### Lucrări citate

1. Liviu P. Dinu, Radu Tudor Ionescu. An Efficient Rank Based Approach for Closest String and Closest Substring. PLoS ONE, 7(6): e37576, 06 2012.

Citat în:

Elisa Pappalardo, Panos M. Pardalos, Giovanni Stracquadanio. Optimization approaches for solving string selection problems. Springer, SpringerBriefs in Optimization, 2013. ISBN: 978-1-4614-9052-4

**1 punct (Carte categoria B)**

Marek Gagolewski. Data Fusion. Theory, Methods and Applications. Monograph Series, Institute of Computer Science, Polish Academy of Sciences, 2015.

**1 punct (Carte categoria D)**

Claudio Arbib, Giovanni Felici, Mara Servilio, Paolo Ventura. Optimum Solution of the Closest String Problem via Rank Distance. In Proceedings of ISCO, Springer LNCS, vol. 9849, pp. 297–307, 2016.

**2 puncte (Conferință categoria C)**

### TOTAL PUNCTAJ ARTICOL CITAT 1: 4

2. Marius Popescu, Radu Tudor Ionescu. The Story of the Characters, the DNA and the Native Language. In Proceedings of the Eighth Workshop on Innovative Use of NLP for Building Educational Applications, pp. 270–278, 2013.

Citat în:

Garrett Nicolai, Grzegorz Kondrak. Does the Phonology of L1 Show Up in L2 Texts? In Proceedings of ACL, Baltimore, MD, June 2014.

**12 puncte (Conferință categoria A\*)**

Alina Ciobanu, Liviu P. Dinu. A Dictionary-Based Approach for Evaluating Orthographic Methods in Cognates Identification. In Proceedings of RANLP, pp. 141–147, Hissar, Bulgaria, 2013.

**2 puncte (Conferință categoria C)**

Sean Massung, Zhai Chenxiang. Non-Native Text Analysis: A Survey. Natural Language Engineering, 22(2): pp. 163–186, 2016.

**4 puncte (Jurnal categoria B)**

Marcos Zampieri, Alina Maria Ciobanu, Liviu P. Dinu. Native Language Identification on Text and Speech. In Proceedings of the BEA-12 Workshop of EMNLP, pp. 398–404, 2017.

**4 puncte (Workshop în conferință categoria A)**

Xiao Jiang, Yan Huang, Yufan Guo, Jeroen Geertzen, Theodora Alexopoulou, Lin Sun, Anna Korhonen. Native Language Identification on EFCAMDAT. Language, Cognition, and Computational Models. Cambridge University Press, pp. 159–184, 2017.

**1 punct (Capitol de carte categoria A)**

#### **TOTAL PUNCTAJ ARTICOL CITAT 2: 23**

3. Radu Tudor Ionescu, Marius Popescu, Cristian Grozea. Local Learning to Improve Bag of Visual Words Model for Facial Expression Recognition. Workshop on Challenges in Representation Learning, ICML, 2013.

Citat în:

Paul Bodesheim, Alexander Freytag, Erik Rodner, Joachim Denzler. Local Novelty Detection in Multi-class Recognition Problems. In Proceedings of WACV, 2015.

**8 puncte (Conferință categoria A)**

Alexander Freytag, Erik Rodner, Joachim Denzler. Birds of a Feather Flock Together - Local Learning of Mid-level Representations for Fine-grained Recognition. In Proceedings of ECCV Workshop on Parts and Attributes, 2014.

**4 puncte (Workshop în conferință categoria A)**

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**2 puncte (Conferință categoria C)**

Hayet Boughrara, Mohamed Chtourou, Chokri Ben Amar, Liming Chen. Facial expression recognition based on a MLP neural network using constructive training algorithm. Multimedia Tools and

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**8 puncte (Jurnal categoria A)**

Jie Shao, Ilaria Gori, Shaohua Wan, J.K. Aggarwal. 3D Dynamic Facial Expression Recognition using Low-Resolution Videos. *Pattern Recognition Letters*, DOI: 10.1016/j.patrec.2015.07.039, 2015.

**8 puncte (Jurnal categoria A)**

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**2 puncte (Conferință categoria C)**

Leila Mansourian, Muhamad Taufik Abdullah, Lilli Nuriyana Abdullah, Azreen Azman, Mas Rina Mustaffa. BoVW Model for Animal Recognition: An Evaluation on SIFT Feature Strategies. In *Proceedings of IVIC*, Springer LNCS, pp. 227–236, 2015.

**2 puncte (Conferință categoria C)**

Bo-Kyeong Kim, Jihyeon Roh, Suh-Yeon Dong, Soo-Young Lee. Hierarchical committee of deep convolutional neural networks for robust facial expression recognition. *Journal on Multimodal User Interfaces*, pp. 1–17, 2016.

**4 puncte (Jurnal categoria B)**

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**4 puncte (Workshop în conferință categoria A)**

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**4 puncte (Workshop în conferință categoria A)**

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**2 puncte (Conferință categoria C)**

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**1 punct (Carte categoria B)**

Scott Krig. Computer Vision Metrics. Textbook Edition. Springer, 2016. ISBN: 978-3-319-33761-6

**1 punct (Carte categoria B)**

P. Giannopoulos, I. Perikos, I. Hatzilygeroudis. Deep Learning Approaches for Facial Emotion Recognition: A Case Study on FER-2013. Advances in Hybridization of Intelligent Methods. Smart Innovation, Systems and Technologies, vol. 85, Springer, 2018.

**1 punct (Capitol de carte categoria B)**

E. Ghaleb, M. Popa, E. Hortal, S. Asteriadis. Multimodal Fusion Based on Information Gain for Emotion Recognition in the Wild. In Proceedings of IntelliSys, IEEE, 2017.

**1 punct (Conferință categoria D)**

Dawood Al Chanti, Alice Caplier. Improving Bag-of-Visual-Words Towards Effective Facial Expressive Image Classification. In Proceedings VISIGRAPP, pp.145–152, 2018.

**4 puncte (Conferință categoria B)**

**TOTAL PUNCTAJ ARTICOL CITAT 3: 60**

4. Liviu P. Dinu, Radu Tudor Ionescu. A Genetic Approximation for Closest String via Rank Distance. In Proceedings of SYNASC, pp. 207–215, 2011.

Citat în:

Jyrko Correa-Morris, Noslen Hernández. On the Comparison of Structured Data. Progress in Pattern Recognition, Image Analysis, Computer Vision, and Applications. Springer Berlin Heidelberg, pp. 479–486, 2012.

**2 puncte (Conferință categoria C)**

Elisa Pappalardo, Panos M. Pardalos, Giovanni Stracquadanio. Optimization approaches for solving string selection problems. Springer, SpringerBriefs in Optimization, 2013. ISBN: 978-1-4614-9052-4

**1 punct (Carte categoria B)**

**TOTAL PUNCTAJ ARTICOL CITAT 4: 3**

5. Adrian G. Chifu, Radu Tudor Ionescu. Word sense disambiguation to improve precision for ambiguous queries. Central European Journal of Computer Science, 2(4), pp. 398–411, 2012.

Citat în:

O. B. Khiroun, B. Elayeb, I. Bounhas, F. Evrard, N. B. B. Saoud. Improving Query Expansion by Automatic Query Disambiguation in Intelligent Information Retrieval. In Proceedings of ICAART, pp. 153–160, 2014.

**2 puncte (Conferință categoria C)**

B. Elayeb, I. Bounhas, O. B. Khiroun, N. B. B. Saoud. Combining Semantic Query Disambiguation and Expansion to Improve Intelligent Information Retrieval. In Proceedings of ICAART, LNCS vol. 8946, pp. 280–295, Springer, 2015.

**2 puncte (Conferință categoria C)**

**TOTAL PUNCTAJ ARTICOL CITAT 5: 4**

6. Liviu P. Dinu, Radu Tudor Ionescu. Clustering methods based on closest string via rank distance. In Proceedings of SYNASC, pp. 207–213, 2012.

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Rajan Kumar Kharel, Niju Shrestha, Chengcui Zhang, Grant T. Savage, Ariel Smith. Consolidating client names in the lobbying disclosure database using efficient clustering techniques. In Proceedings of the 2014 ACM Southeast Regional Conference, p. 37. ACM, 2014.

**1 punct (Conferință categoria D)**

Marek Gagolewski, Maciej Bartoszuik, Anna Cena. Genie: A new, fast, and outlier-resistant hierarchical clustering algorithm. Information Sciences, DOI:10.1016/j.ins.2016.05.003, 2016.

**8 puncte (Jurnal categoria A)**

Marek Gagolewski. Data Fusion. Theory, Methods and Applications. Monograph Series, Institute of Computer Science, Polish Academy of Sciences, 2015.

**1 punct (Carte categoria D)**

Christina Lioma, Niels Dalum Hansen. A study of metrics of distance and correlation between ranked lists for compositionality detection. Cognitive Systems Research, vol. 44, pp. 40–49, 2017.

**4 puncte (Jurnal categoria B)**

**TOTAL PUNCTAJ ARTICOL CITAT 6: 14**

7. Radu Tudor Ionescu, Marius Popescu, Aoife Cahill. Can characters reveal your native language? A language-independent approach to native language identification. In Proceedings of EMNLP, pp. 1363–1373, 2014.

Citat în:

Sergiu Nisioi. Feature Analysis for Native Language Identification. In Proceedings of CICLing, Springer International Publishing, LNCS, pp. 644–657, 2015.

**4 puncte (Conferință categoria B)**

Shervin Malmasi, Joel Tetreault, Mark Dras. Oracle and Human Baselines for Native Language Identification. In Proceedings of the Tenth Workshop on Innovative Use of NLP for Building Educational Applications, 2015.

**4 puncte (Workshop în conferință categoria A)**

Vincent Kriz, Martin Holub, Pavel Pecina. Feature Extraction for Native Language Identification Using Language Modeling. In Proceedings of RANLP, pp. 298–306, 2015.

**2 puncte (Conferință categoria C)**

Shervin Malmasi, Joel Tetreault, Mark Dras. Multilingual native language identification. Natural Language Engineering, pp. 1–53, 2015.

**4 puncte (Jurnal categoria B)**

Sean Massung, Zhai Chenxiang. Non-Native Text Analysis: A Survey. Natural Language Engineering, 22(2): 163–186, 2016.

**4 puncte (Jurnal categoria B)**

Serhiy Bykh, Detmar Meurers. Advancing Linguistic Features and Insights by Label-informed Feature Grouping: An Exploration in the Context of Native Language Identification. In Proceedings of COLING, pp. 739–749, 2016.

**8 puncte (Conferință categoria A)**

Alberto Alexander Gayle, Motomu Shimaoka. Evaluating the lexico-grammatical differences in the writing of native and non-native speakers of English in peer-reviewed medical journals in the field of pediatric oncology: Creation of the genuine index scoring system. PLOS One, vol. 12, no. 2, e0172338, 2017.

**8 puncte (Jurnal categoria A)**

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**8 puncte (Conferință categoria A)**

Marc Franco-Salvador, Greg Kondrak, Paolo Rosso. Bridging the Native Language and Language Variety Identification Tasks. In Proceedings of KES, 112:1554–1561, 2017.

**4 puncte (Conferință categoria B)**

Mihai Masala, Stefan Ruseti, Traian Rebedea. Sentence selection with neural networks using string kernels. In Proceedings of KES, 112:1774–1782, 2017.

**4 puncte (Conferință categoria B)**

Artur Kulmizev, Bo Blankers, Johannes Bjerva, Malvina Nissim, Gertjan van Noord, Barbara Plank, Martijn Wieling. The Power of Character N-grams in Native Language Identification. In Proceedings of the BEA-12 Workshop of EMNLP, pp. 382–389, 2017.

**4 puncte (Workshop în conferință categoria A)**

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**4 puncte (Workshop în conferință categoria A)**

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Language Identification. In Proceedings of the BEA-12 Workshop of EMNLP, pp. 374–381, 2017.

**4 puncte (Workshop în conferință categoria A)**

Shervin Malmasi, Mark Dras, Mark Johnson, Lan Du, Magdalena Wolska. Unsupervised Text Segmentation Based on Native Language Characteristics. In Proceedings of ACL, pp. 1457–1469, 2017.

**12 puncte (Conferință categoria A\*)**

Pavel Ircing, Jan Svec, Zbynek Zajic, Barbora Hladka, Martin Holub. Combining Textual and Speech Features in the NLI Task Using State-of-the-Art Machine Learning Techniques. In Proceedings of the BEA-12 Workshop of EMNLP, pp. 198–209, 2017.

**4 puncte (Workshop în conferință categoria A)**

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**4 puncte (Workshop în conferință categoria A)**

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**4 puncte (Workshop în conferință categoria A)**

Wen Li, Liang Zou. Classifier Stacking for Native Language Identification. In Proceedings of the BEA-12 Workshop of EMNLP, pp. 390–397, 2017.

**4 puncte (Workshop în conferință categoria A)**

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**4 puncte (Workshop în conferință categoria A)**

Andrea Cimino, Felice Dell’Orletta. Stacked Sentence-Document Classifier Approach for Improving Native Language Identification. In Proceedings of the BEA-12 Workshop of EMNLP, pp. 430–437, 2017.

**4 puncte (Workshop în conferință categoria A)**

Vivi Năstase, Carlo Strapparava. Word Etymology as Native Language Interference. In Proceedings of EMNLP, pp. 2692–2697, 2017.

**8 puncte (Conferință categoria A)**

Xiao Jiang, Yan Huang, Yufan Guo, Jeroen Geertzen, Theodora Alexopoulou, Lin Sun, Anna Korhonen. Native Language Identification on EFCAMDAT. Language, Cognition, and Computational Models. Cambridge University Press, pp. 159–184, 2017.

**1 punct (Capitol de carte categoria A)**

Daniel Beck, Trevor Cohn. Learning Kernels over Strings using Gaussian Processes. In Proceedings of IJCNLP, pages 67–73, 2017.

**4 puncte (Conferință categoria B)**

**TOTAL PUNCTAJ ARTICOL CITAT 7: 119**

8. Liviu P. Dinu, Radu Tudor Ionescu, Marius Popescu. Local Patch Dissimilarity for Images. In Proceedings of ICONIP, vol. 7663, pp. 117–126, 2012.

Citat în:

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24. Radu Tudor Ionescu, Marius Popescu. State-of-the-Art Approaches for String and Text Analysis. Chapter in: Knowledge Transfer between Computer Vision and Text Mining. Similarity-based Learning Approaches. Springer, 2016.

Citat în:

Jian Xu, Hang Zhang, Wubai Zhou, Rouying He, Tao Li. Signature based trouble ticket classification. Future Generation Computer Systems, 2017.

**8 puncte (Jurnal categoria A)**

**TOTAL PUNCTAJ ARTICOL CITAT 24: 8**

25. Radu Tudor Ionescu, Marius Popescu. Learning based on Similarity. Chapter in: Knowledge Transfer between Computer Vision and Text Mining. Similarity-based Learning Approaches. Springer, 2016.

Număr autori: 2

Citat în:

Yomi Karthik Rupesh, Payman Behnam, Goverdhan Reddy Pandla, Manikanth Miryala, Mahdi Nazm Bojnordi. Accelerating k-Medians Clustering using a Novel 4T-4R RRAM Cell. IEEE Transactions on Very Large Scale Integration Systems, PP(99):1–14, 2018.

**4 puncte (Jurnal categoria B)**

**TOTAL PUNCTAJ ARTICOL CITAT 24: 4**

26. Andrei Butnaru, Radu Tudor Ionescu, Florentina Hristea. ShotgunWSD: An unsupervised algorithm for global word sense disambiguation inspired by DNA sequencing. In Proceedings of EACL, pp. 915–925, 2017.

Citat în:

Alessandro Raganato, Claudio Delli Bovi, Roberto Navigli. Neural Sequence Learning Models for

Word Sense Disambiguation. In Proceedings of EMNLP, pp. 1167–1178, 2017.

**8 puncte (Conferință categoria A)**

**TOTAL PUNCTAJ ARTICOL CITAT 26: 8**

27. Radu Tudor Ionescu, Bogdan Alexe, Marius Leordeanu, Marius Popescu, Dim Papadopoulos, Vittorio Ferrari. How hard can it be? Estimating the difficulty of visual search in an image. In Proceedings of CVPR, pp. 2157–2166, 2016.

Citat în:

Miaojing Shi, Vittorio Ferrari. Weakly supervised object localization using size estimates." In Proceedings of ECCV, pp. 105-121, 2016.

**2 puncte (Conferință categoria A)**

Siyang Li, Xiangxin Zhu, Qin Huang, Hao Xu, C.-C. Jay Kuo. Multiple Instance Curriculum Learning for Weakly Supervised Object Detection. In Proceedings of BMVC, 2017.

**1 punct (Conferință categoria B)**

Bo Xiao, Jin Duan, Xuelian Liu, Yong Zhu, Hao Wang. Evaluation of Image Complexity Based on SVOR. International Journal of Pattern Recognition and Artificial Intelligence, 2017.

**0.5 puncte (Jurnal categoria C)**

Minnan Luo, Xiaojun Chang, Zhihui Li, Liqiang Nie, Alexander G. Hauptmann, Qinghua Zheng. Simple to complex cross-modal learning to rank. Computer Vision and Image Understanding, vol. 163, pp. 67–77, 2017.

**2 puncte (Jurnal categoria A)**

Keze Wang, Xiaopeng Yan, Dongyu Zhang, Lei Zhang, Liang Lin. Towards Human-Machine Cooperation: Self-supervised Sample Mining for Object Detection. In Proceedings of CVPR, 2018.

**3 puncte (Conferință categoria A\*)**

**TOTAL PUNCTAJ ARTICOL CITAT 27: 8.5**

28. Andreea Lavinia Popescu, Dan Popescu, Radu Tudor Ionescu, Nicoleta Angelescu, Romeo Cojocar. Efficient Fractal Method for Texture Classification. In Proceedings of ICSCS, pp. 44–49, 2013.

Citat în:

Ido Zachevsky, Yehoshua Y. Zeevi. Model-based color natural stochastic textures processing and classification. In Proceedings of GlobalSIP, pp. 1357–1361, IEEE, 2015.

**0.33 puncte (Conferință categoria D)**

John Nikolaidis, Elias Aifantis. Z-Box Merging: Ultra-Fast Computation of Fractal Dimension and Lacunarity. In Proceedings of CBMS, pp. 312–317, IEEE, 2017.

**0.33 puncte (Conferință categoria D)**

**TOTAL PUNCTAJ ARTICOL CITAT 28: 0.66**

29. Radu Tudor Ionescu, Sorina Smeureanu, Bogdan Alexe, Marius Popescu. Unmasking the abnormal events in video. In Proceedings of ICCV, pp. 2895–2903, 2017.

Citat în:

Wen Liu, Weixin Luo, Dongze Lian, Shenghua Gao. Future Frame Prediction for Anomaly Detection - A New Baseline. In Proceedings of CVPR, 2018.

**6 puncte (Conferință categoria A\*)**

**TOTAL PUNCTAJ ARTICOL CITAT 29: 6**

30. Sorina Smeureanu, Radu Tudor Ionescu, Marius Popescu, Bogdan Alexe. Deep Appearance Features for Abnormal Behavior Detection in Video. In Proceedings of ICIAP, 10485:779–789, 2017.

Citat în:

Gaurav Tripathi, Kuldeep Singh, Dinesh Kumar Vishwakarma. Convolutional neural networks for crowd behaviour analysis: a survey. The Visual Computer, 2018.

**2 puncte (Jurnal categoria B)**

Tsubasa Minematsu, Atsushi Shimada, Hideaki Uchiyama, Vincent Charvillat; Rin-ichiro Taniguchi. Reconstruction-Based Change Detection with Image Completion for a Free-Moving Camera. Sensors, 18(4):1232, 2018.

**4 puncte (Jurnal categoria A)**

**TOTAL PUNCTAJ ARTICOL CITAT 30: 2**

**TOTAL IMPACT CITĂRI = 419.74**  
**TOTAL CATEGORIA A ȘI A\* = 171.09**  
**TOTAL CATEGORIA B = 193.65**



## (d) PERFORMANȚA ACADEMICĂ

Cărți / captiole publicate în edituri din clasamentul SENSE:

Denumire carte/capitol	Editură	Categorie	Nr. Autori	Punctaj
Radu Tudor Ionescu, Marius Popescu. Knowledge Transfer between Computer Vision and Text Mining. Similarity-based Learning Approaches. Springer, 2016. (275 pages)	Springer	B	2	8

Publicarea unui curs în format electronic:

Denumire curs	Adresă Web	Punctaj
Dezvoltarea Aplicațiilor iOS	<a href="http://raduionescu.herokuapp.com/#teacher_tab">http://raduionescu.herokuapp.com/#teacher_tab</a>	2
Dezvoltarea Aplicațiilor Web	<a href="http://daw-aspnet.herokuapp.com">http://daw-aspnet.herokuapp.com</a>	2
Concepte și Aplicații în Vederea Artificială	<a href="http://moodle.fmi.unibuc.ro">http://moodle.fmi.unibuc.ro</a>	2

Director / membru al unui grant / proiect / contract / program de cercetare:

Grant	Poziție	Perioadă	Sumă	Punctaj
Programe doctorale și postdoctorale - suport pentru creșterea competitivității cercetării în domeniul Științelor exacte. POSDRU/159/1.5/S/137750	Membru (postdoctorand)	Iunie 2014 - Septembrie 2015	2.168.659 Euro	4
Creșterea competitivității economice a SC SECURIFAI SRL prin realizarea sistemului software inovativ SecurifAI folosind tehnologii de inteligență artificială cu aplicare în domeniul securității. POC A1 – A1.1.1 – C – 2015 – Tip proiect: „ÎNTRINDERI INOVATOARE DE TIP START-UP ȘI SPIN-OFF”	Director	Septembrie 2016 - Martie 2018	212.500 Euro	8
Sistem inteligent de generare automată a răspunsurilor. Bridge Grant (Transfer de cunoaștere la agentul economic) PN-III-P2-2.1-BG-2016-0375.	Membru	Septembrie 2016 - August 2018	103.000 Euro	3
Descrierea lingvistică automată a obiectelor, a persoanelor și a interacțiunii lor în secvențe video captate în interior. Proiect Experimental Demonstrativ PN-III-P2-2.1-PED-2016-1842.	Membru	Octombrie 2017 - Decembrie 2018	103.000 Euro	3
Recunoașterea obiectelor din imagini	Director	Mai 2018	50.856 Euro	4

folosind învățarea automată bazată pe curiculă. Proiect de Cercetare Postdoctorală PN-III-P1-1.1-PD-2016-0787.		- Februarie 2020		
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Membru în comitetul științific (de program) al unor conferințe, workshop-uri:

Denumire	Adresă Web	Categorie	Punctaj
The 9th Workshop on Innovative Use of NLP for Building Educational Applications. Workshop asociat ACL 2014.	<a href="http://www.cs.rochester.edu/~tetreaul/acl-bea9.html#committee">http://www.cs.rochester.edu/~tetreaul/acl-bea9.html#committee</a>	B	2
The 10th Workshop on Innovative Use of NLP for Building Educational Applications. Workshop asociat NAACL 2015.	<a href="http://www.cs.rochester.edu/~tetreaul/naacl-bea10.html#committee">http://www.cs.rochester.edu/~tetreaul/naacl-bea10.html#committee</a>	B	2
The 11th Workshop on Innovative Use of NLP for Building Educational Applications. Workshop asociat NAACL 2016.	<a href="http://www.cs.rochester.edu/~tetreaul/naacl-bea11.html#committee">http://www.cs.rochester.edu/~tetreaul/naacl-bea11.html#committee</a>	B	2
The ACM International Conference on Research and Development in Information Retrieval (SIGIR 2016).	<a href="http://sigir.org/sigir2016/">http://sigir.org/sigir2016/</a>	A*	4
The 2016 Conference on Empirical Methods in Natural Language Processing (EMNLP 2016).	<a href="http://www.emnlp2016.net/">http://www.emnlp2016.net/</a>	A	4
The ACM International Conference on Research and Development in Information Retrieval (SIGIR 2017).	<a href="http://sigir.org/sigir2017/">http://sigir.org/sigir2017/</a>	A*	4
The 2017 Conference on Empirical Methods in Natural Language Processing (EMNLP 2017).	<a href="http://emnlp2017.net/">http://emnlp2017.net/</a>	A	4
The 12th Workshop on Innovative Use of NLP for Building Educational Applications. Workshop asociat EMNLP 2017.	<a href="https://www.cs.rochester.edu/~tetreaul/emnlp-bea12.html#committee">https://www.cs.rochester.edu/~tetreaul/emnlp-bea12.html#committee</a>	B	2
The 21st International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2017).	<a href="http://kes2017.kesinternational.org/cmsISdisplay.php">http://kes2017.kesinternational.org/cmsISdisplay.php</a>	B	2
The 2017 International Conference on Information and Knowledge Management (CIKM 2017).	<a href="http://cikm2017.org">http://cikm2017.org</a>	A	4
The Web Conference 2018 (WWW 2018).	<a href="https://www2018.thewebconf.org">https://www2018.thewebconf.org</a>	A*	4
The 40th European Conference on Information Retrieval (ECIR 2018).	<a href="https://www.ecir2018.org">https://www.ecir2018.org</a>	A	4
The 22nd International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES	<a href="http://kes2018.kesinternational.org/cmsISdisplay.php">http://kes2018.kesinternational.org/cmsISdisplay.php</a>	B	2

2018).			
The 13th Workshop on Innovative Use of NLP for Building Educational Applications. Workshop asociat EMNLP 2018.	<a href="https://www.cs.rochester.edu/~tetreaul/bea13.html#committee">https://www.cs.rochester.edu/~tetreaul/bea13.html#committee</a>	B	2
The 31st IEEE Conference on Computer Vision and Pattern Recognition (CVPR 2018).	<a href="http://cvpr2018.thecvf.com">http://cvpr2018.thecvf.com</a>	A*	4
The ACM International Conference on Research and Development in Information Retrieval (SIGIR 2018).	<a href="http://sigir.org/sigir2018/">http://sigir.org/sigir2018/</a>	A*	4
Fifth Workshop on NLP for Similar Languages, Varieties and Dialects (VarDial 2018).	<a href="http://alt.qcri.org/vardial2018/index.php?id=pc">http://alt.qcri.org/vardial2018/index.php?id=pc</a>	B	2
The 2018 International Conference on Information and Knowledge Management (CIKM 2018).	<a href="http://www.cikm2018.units.it">http://www.cikm2018.units.it</a>	A	4
The 26th European Signal Processing Conference (EUSIPCO 2018).	<a href="http://www.eusipco2018.org">http://www.eusipco2018.org</a>	B	2

Organizare evenimente științifice / școli de vară:

Denumire	Adresă Web	Poziție	Punctaj
The 29th IEEE Conference on Computer Vision and Pattern Recognition (CVPR 2016).	<a href="http://cvpr2016.thecvf.com">http://cvpr2016.thecvf.com</a>	Membru voluntar	1

Keynote / Invited speaker la evenimente / universități:

Denumire	Adresă Web	Categorie	Punctaj
DACS 2015: Days of Computer Science (CiE 2015 associated workshop).	<a href="http://fmi.unibuc.ro/dacs2015/">http://fmi.unibuc.ro/dacs2015/</a>	C	2

Profesor / Researcher asociat / Visiting la o universitate din top:

Universitate	Contact	Clasament	Perioada	Punctaj
University of Edinburgh	Prof. Vittorio Ferrari	Top 100	2 luni și 2 săptămâni	20
Université de Toulouse	Prof. Josiane Mothe	Top 1000	3 luni	3

Dezvoltarea de pachete și instrumente software:

Denumire pachet	Adresă Web	Nr. Autori	Punctaj
PQ Kernel	<a href="http://pq-kernel.herokuapp.com">http://pq-kernel.herokuapp.com</a>	2	2

LRD Aligner	<a href="http://lrd.herokuapp.com/aligners.html">http://lrd.herokuapp.com/aligners.html</a>	3	2
Biomass Texture Dataset	<a href="http://biomass.herokuapp.com">http://biomass.herokuapp.com</a>	4	1
BiomassID	<a href="http://appstore.com/biomassid">http://appstore.com/biomassid</a>	2	2
Local Rank Distance	<a href="http://lrd.herokuapp.com/">http://lrd.herokuapp.com/</a>	1	2
String Kernels	<a href="http://string-kernels.herokuapp.com">http://string-kernels.herokuapp.com</a>	2	2
Visual Search Difficulty Data Set	<a href="http://image-difficulty.herokuapp.com">http://image-difficulty.herokuapp.com</a>	6	0.5
Local Frame Match Distance	<a href="http://lrd.herokuapp.com/lfmd.html">http://lrd.herokuapp.com/lfmd.html</a>	4	1

Membru în comisia de îndrumare a studenților doctoranzi:

Entitate academică	Doctorand	Coordonator	Punctaj
Universitatea din București / Institutul de Matematică al Academiei Române	Elena Burceanu	Gheorghe Ștefănescu / Marius Leordeanu	1
Universitatea din București	Andrei Butnaru	Liviu Dinu	1
Universitatea din București	Sergiu Nisioi	Liviu Dinu	1
Universitatea din București	Petru Soviany	Alin Ștefănescu	1
Institutul de Matematică al Academiei Române	Ioana Croitoru	Marius Leordeanu	1
Institutul de Matematică al Academiei Române	Vlad Bogolin	Marius Leordeanu	1

Premii și alte merite (la decizia universității; maxim 10% din punctajul criteriului):

1. Premiul "Caianiello Best Young Paper Award" la conferința ICIAP 2013 (categoria B) pentru articolul "Kernels for Visual Words Histograms".
2. Premiul Ad Astra 2014 pentru Excelență în Cercetare Doctorală, în Domeniul Matematică și Informatică.
3. Premiul III în cadrul concursului "Tineri Cercetători în Știință și Inginerie 2017" organizat de primăria municipiului Cluj-Napoca în colaborare cu Prof. Dr. Rada Mihalcea (University of Michigan).

Număr premii	Total punctaj
3	6

**TOTAL PERFORMANȚĂ ACADEMICĂ = 144.50**

**TOTAL GENERAL = 751.86**