

Lista de lucrări

Numele și prenumele: ICLĂNZAN David Andrei

A. Teza de doctorat.

1. **New Techniques in Competent Search and Optimization**

B. Cărți publicate

B1. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate la edituri recunoscute în străinătate.

B2. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS.

David Andrei Iclănzan, “*New Techniques in Copmetent Search and Optimization*”, ISBN 9733028827, 9789733028826, Editura Didactică și Pedagogică, 2010

B3. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate la alte edituri sau pe plan local.

David Iclanzan, *Introduction to Parallel Programming in C++*, 2019, ISBN 978-973-0-28587-1

B4. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

B5. Capitole de cărți publicate în străinătate

Iclănzan, David, D. Dumitrescu, and Béat Hirsbrunner. “*Pairwise Interactions Induced Probabilistic Model Building*.” In *Exploitation of Linkage Learning in Evolutionary Algorithms*, pp. 97-122. Springer, Berlin, Heidelberg, 2010

B6. Capitole de cărți publicate în țară

C. Lucrări științifice publicate

C1. Lucrări științifice publicate în reviste cotate ISI

1. L. Szilágyi, S.M. Szilágyi, D. Iclanzan, L. David, A. Frigy, and Z. Benyo. Intensity inhomogeneity compensation and segmentation of MR brain images using hybrid c-means clustering models. *Neural Network World*, 19(5):513–528, 2009.

C2. Lucrări științifice publicate în reviste indexate în baze de date internaționale (indicați și baza de date).

2. David Iclănzan, Anca Gog, and Camelia Chira. Cell state change dynamics in cellular automata. *Memetic Computing*, 5(2):131–139, 2013.
3. D. Iclănzan, R. I. Lung, A. Gog, and C. Chira. Evolutionary Computing in the Study of Complex Systems. *Studia Informatica series*, LVI(1):80–94, 2011.
4. C Chira, A. Gog, R. I. Lung, and D. Iclănzan. Complex Systems and Cellular Automata Models in the Study of Complexity. *Studia Informatica series*, LV(4):33–49, 2010.

C3. Lucrări științifice publicate în reviste din străinătate (altele decât cele menționate anterior).

C4. Lucrări științifice publicate în reviste din țară, recunoscute CNCSIS (altele decât cele din baze de date internaționale).

5. Sandor M. Szilagy, Laszlo Szilagy, David Iclanzan, and Zoltan Benyo. Unified neural network-based adaptive ECG signal analysis and compression. *SB-UPT TACCS*, 56(65)(4):27–36, 2006.

C5. Lucrări științifice publicate în reviste, altele decât cele menționate anterior

C6. Lucrări științifice publicate în volumele manifestărilor științifice

1. Iclănzan, David, Sándor Miklós Szilágyi, and László Szilágyi. "Evolving Computationally Efficient Hashing for Similarity Search." In *International Conference on Neural Information Processing*, ICONIP 2018. Lecture Notes in Computer Science, vol 11302., pp. 552-563. Springer, Cham, 2018..
2. Szilágyi, László, David Iclănzan, Zoltán Kapás, Zsófia Szabó, Ágnes Györfi, and László Lefkovits. "Low and high grade glioma segmentation in multispectral brain MRI data." *Acta Universitatis Sapientiae, Informatica* 10, no. 1 (2018): 110-132.
3. Kapás, Zoltán, László Lefkovits, David Iclănzan, Ágnes Györfi, Barna László Iantovics, Szidónia Lefkovits, Sándor Miklós Szilágyi, and László Szilágyi. "Automatic Brain Tumor Segmentation in Multispectral MRI Volumes Using a Random Forest Approach." In *Pacific-Rim Symposium on Image and Video Technology*, pp. 137-149. Springer, Cham, 2017.
4. Iclănzan, David, and László Szilágyi. "Neural Population Coding of Stimulus Features." In *International Conference on Neural Information Processing*, pp. 263-270. Springer, Cham, 2015.
5. Szilágyi, László, László Lefkovits, Barna Iantovics, David Iclănzan, and Balázs Benyó. "Automatic brain tumor segmentation in multispectral MRI volumetric records." In *International Conference on Neural Information Processing*, pp. 174-181. Springer, Cham, 2015.
6. David Iclanzan, Fabio Daolio, and Marco Tomassini. 2014. Data-driven local optima network characterization of QAPLIB instances. In *Proceedings of the 2014 conference on Genetic and evolutionary computation (GECCO '14)*. ACM, New York, NY, USA, 453-460. DOI=10.1145/2576768.2598275 <http://doi.acm.org/10.1145/2576768.2598275>
7. David Iclanzan. Global Optimization of Multimodal Deceptive Functions. In *Proceedings of the 2014 Evolutionary Computation in Combinatorial Optimisation (EvoCOP 2014)*, 145-156, Lecture Notes in Computer Science, 8600, Springer Berlin Heidelberg.

8. David Iclănzan, Noémi Gaskó, Réka Nagy, and D Dumitrescu. Multiobjective evolution of mixed nash equilibria. In *Learning and Intelligent Optimization*, pages 304–314. Springer Berlin Heidelberg, 2013.
9. David Iclănzan. A multi-parent search operator for bayesian network building. In *Parallel Problem Solving from Nature-PPSN XII*, pages 246–255. Springer Berlin Heidelberg, 2012.
10. David Iclănzan. Higher-order linkage learning in the ecga. In *Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 265–272. ACM, 2012.
11. David Iclănzan and Camelia Chira. Modeling and replicating higher-order dependencies in genetic algorithms. In *Evolutionary Computation (CEC), 2012 IEEE Congress on*, pages 1–8. IEEE, 2012.
12. Camelia Chira, Anca Gog, and David Iclănzan. Evolutionary detection of community structures in complex networks: A new fitness function. In *Evolutionary Computation (CEC), 2012 IEEE Congress on*, pages 1–8. IEEE, 2012.
13. David Iclănzan, Anca Gog, and Camelia Chira. Enhancing the computational mechanics of cellular automata. In David Alejandro Pelta, Natalio Krasnogor, Dan Dumitrescu, Camelia Chira, and Rodica Ioana Lung, editors, *NICSO*, volume 387 of *Studies in Computational Intelligence*, pages 267–283. Springer, 2011.
14. László Szilágyi, David Iclănzan, Lehel Craciun, and Sándor M. Szilágyi. An efficient approach to intensity inhomogeneity compensation using c-means clustering models. In Martín and Kim [**Error! Reference source not found.**], pages 312–319.
15. David Iclănzan, Péter István Fülöp, Camelia Chira, and Anca Gog. Towards the efficient evolution of particle-based computation in cellular automata. In *GECCO '11: Proceedings of the 13th Annual conference on Genetic and evolutionary computation*, pages 835 – 836, New York, NY, USA, 12-16 July 2011. ACM.
16. David Iclănzan. Hierarchical allelic pairwise independent functions. In *GECCO '11: Proceedings of the 13th Annual conference on Genetic and evolutionary computation*, pages 633–640, New York, NY, USA, 12-16 July 2011. ACM.
17. David Iclănzan and Dumitru Dumitrescu. Graph clustering based model building. In Robert Schaefer, Carlos Cotta, Joanna Kolodziej, and Günter Rudolph, editors, *Parallel Problem Solving from Nature – PPSN XI*, volume 6238 of *Lecture Notes in Computer Science*, pages 506–515. Springer Berlin / Heidelberg, 2011..
18. David Iclănzan, D. Dumitrescu, and Beat Hirsbrunner. Correlation guided model building. In *GECCO '09: Proceedings of the 11th Annual conference on Genetic and evolutionary computation*, pages 421–428, New York, NY, USA, 8-12 July 2009. ACM.
19. Laszlo Szilagy, David Iclănzan, Sandor M. Szilagy, D. Dumitrescu, and Béat Hirsbrunner. A generalized c-means clustering model optimized via evolutionary computation. In *IEEE International Conference on Fuzzy Systems (FUZZ-IEEE'09, Jeju Island, Korea)*, pages 451 – 455, 2009.
20. David Iclănzan, Béat Hirsbrunner, Michèle Courant, and D. Dumitrescu. Cooperation in the context of sustainable search. In *IEEE Congress on Evolutionary Computation (IEEE CEC 2009)*, pages 1904 – 1911, Trondheim, Norway, 18-21 May 2009.
21. Sandor M. Szilagy, Laszlo Szilagy, David Iclănzan, and Zoltan Benyo. A weighted patient specific electromechanical model of the heart. In *Proc. 5th International Symposium on Applied Computational Intelligence and Informatics (SACI 2009)*, pages 105–110, Timisoara, Romania, 28-29 May 2009.

22. Laszlo Szilagy, David Iclanzan, Sandor M. Szilagy, and D. Dumitrescu. Gecim: A novel generalized approach to c-means clustering. In José Ruiz-Shulcloper and Walter G. Kropatsch, editors, *CIARP*, volume 5197 of *Lecture Notes in Computer Science*, pages 235–242. Springer, 2008.
23. David Iclanzan and D. Dumitrescu. Large-scale optimization of non-separable building-block problems. In *PPSN 2008: 10th International Conference on Parallel Problem Solving From Nature*, pages 899–908, Dortmund, Germany, 13-17 September 2008.
24. David Iclanzan and D. Dumitrescu. Towards memoryless model building. In *GECCO '08: Proceedings of the 2008 GECCO conference companion on Genetic and evolutionary computation*, pages 2147–2152, Atlanta, GA, USA, 2008. ACM.
25. David Iclanzan and D. Dumitrescu. Going for the big fishes: Discovering and combining large neutral and massively multimodal building-blocks with model based macro-mutation. In *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 423–430, Atlanta, GA, USA, 2008. ACM.
26. David Iclanzan and D. Dumitrescu. How can artificial neural networks help making the intractable search spaces tractable. In *2008 IEEE World Congress on Computational Intelligence (WCCI 2008)*, pages 4016–4023, Hong-Kong, 01-06 June 2008.
27. David Iclanzan and D. Dumitrescu. Overrepresentation in neutral genotype-phenotype mappings and their applications. In *Symbolic and Numeric Algorithms for Scientific Computing, 2007. SYNASC. International Symposium on*, pages 427–432, Timisoara, Romania, 26-29 September 2007. IEEE Computer Society.
28. David Iclanzan, P.I. Fulop, and D. Dumitrescu. Neuro-Hill-Climber: A new approach towards more intelligent search and optimization. In *Symbolic and Numeric Algorithms for Scientific Computing, 2007. SYNASC. International Symposium on*, pages 441–448, Timisoara, Romania, 26-29 September 2007. IEEE Computer Society.
29. David Iclanzan. The creativity potential within Evolutionary Algorithms. In Fernando Almeida e Costa et al., editor, *Advances in Artificial Life, 9th European Conference, ECAL 2007, Lisbon, Portugal, September 10-14, 2007, Proceedings*, volume 4648 of *Lecture Notes in Computer Science*, pages 845–854. Springer, 2007.
30. David Iclanzan. Crossover: the divine afflatus in search. In Peter A. N. Bosman, editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2497–2502, London, United Kingdom, 7-11 July 2007. ACM Press.
31. David Iclanzan and D. Dumitrescu. Overcoming hierarchical difficulty by hill-climbing the building block structure. In Dirk Thierens et al., editor, *GECCO '07: Proceedings of the 9th annual conference on Genetic and Evolutionary Computation*, volume 2, pages 1256–1263, London, 7-11 July 2007. ACM Press.
32. David Iclanzan and D. Dumitrescu. Exact model building in Hierarchical Complex Systems. In *Studia Universitatis Babes-Bolyai, Informatica Series*, volume Special Issue: KEPT 2007 - Knowledge Engineering: Principles and Techniques, *Proceedings*, pages 161–168, Cluj-Napoca, Romania, 6-8 June 2007. Universitas Napocensis, Presa Universitara.
33. David Iclanzan, Sandor M. Szilagy, Laszlo Szilagy, and Zoltan Benyo. Advanced heuristic methods for ECG parameter estimation. In *CONTI 2006: Proceedings of the 7th International Conference on Technical Informatics*, pages 215–220, Timisoara, Romania, 8-9 June 2006. Universitatea Politehnica.
34. Sandor M. Szilagy, Laszlo Szilagy, David Iclanzan, and Zoltan Benyo. Adaptive ECG signal analysis for enhanced state recognition and diagnosis. In *CONTI 2006: Proceedings of the 7th International Conference on Technical Informatics*, pages 209–214, Timisoara, Romania, 8-9 June 2006. Universitatea Politehnica.

35. Laszlo Szilagyi, Sandor M. Szilagyi, David Iclanzan, and Zoltan Benyo. Quick ECG signal processing methods for on-line holter monitoring systems. In *CONTI 2006: Proceedings of the 7th International Conference on Technical Informatics*, pages 221–226, Timisoara, Romania, 8-9 June 2006. Universitatea Politehnica.
36. David Iclanzan and D. Dumitrescu. ECG parameter estimation using advanced stochastic search methods. In Dorin Isoc and Eugen Stancel, editors, *2006 IEEE-TTTC International Conference on Automation, Quality and testing, Robotics. Digest of Junior Section*, pages 17–22, Cluj-Napoca, Romania, 25-28 May 2006. Universitatea Technica Cluj.

D. Traduceri de cărți, capitole de cărți, alte lucrări științifice

E. Editare, coordonare de volume

F. Invenții.

G. Contracte de cercetare (menționați calitatea de director sau membru)

Rol	Grant/proiect/contract/program
membru MC România	“European Network for Game Theory GAMENET”, CA COST Action CA16228, 2017-2020
membru	„Dezvoltarea unor tehnologii de simulare computațională 3D a circulației coronariene și perfuziei miocardice bazate pe imagistică de fuziune (COROFLOW)”, PN-III-P2-2.1-BG-2016-0343, nr. 114BG/2016 în cadrul programului UEFISCDI – PNIII – P2 Creșterea competitivității economiei românești prin CDI – Transfer de cunoaștere la agentul economic – Bridge Grant, 2016-2018
coordonator /responsabil	“CNaFL –Complex-Networks Analysis of Fitness Landscapes”, CRUS Sciex, grant from Switzerland through the Swiss contribution to the enlarged European Union, contract nr. 12.061, 2013-2014
coordonator /responsabil	“Metode distribuite de extragere a caracteristicilor și a construcțiilor de modele. Aplicații în detectarea comunităților în rețele complexe de mari dimensiuni”, POSDRU/89/1.5/S/60189 - Dezvoltarea și susținerea de programe postdoctorale multidisciplinare în domenii tehnice prioritare ale strategiei naționale de cercetare - dezvoltare – inovare, 5601 - Modele și tehnici ale tehnologiei informaționale și de comunicație (TIC) pentru studiul unor sisteme colaborative. 2010-2012
membru	“Emergence, autoorganization and evolution: New computational models in the study of complex systems”, Grant PN II TE 320, CNCSIS, 2011-2013
membru	“New models of natural computation in the study of complexity and in solving complex problems”, PNCDI Grant Parteneriate CNMP PC - 2120, Contract Nr. 11028, 2007 - 2010
membru	„New Computational Paradigms for Dynamic Complex Problems”, IDEAS Grant, CNCSIS IDEI – 508, 2007-2010
membru	“Detectarea și segmentarea structurilor tubulare în imagini 3D cu rezoluție redusă”, Institutul de Cercetări al Fundației Sapientia (KPI), 2017-2018
coordonator /responsabil	“Călire simulată distribuită, bazată pe modele”, Institutul de Cercetări al Fundației Sapientia (KPI), 2011-2014
membru	“Problemele de scheletonizare eficienta a obiectelor spatiale variabile”, Institutul de Cercetări al Fundației Sapientia (KPI), 2009-2010
membru	“A jobb-kamra geometriájának és falmozgásának háromdimenziós vizsgálata”, Institutul de Cercetări al Fundației Sapientia (KPI), 2008-2009
membru	“Robusztus szivsejtmodell kifejlesztése”, Institutul de Cercetări al Fundației Sapientia (KPI), 2007-2008
coordonator /responsabil	“Tehnici noi de căutare și optimizare competentă”, Burse de cercetare/creatie artistica pentru tinerii doctoranzi tip BD, Cod CNCSIS 173, 2007-2009
membru	“Study of Some Elliptic Problems via Critical Points Theory”, CNCSIS Grant AT-8/70, 2005-2007

H. Creația artistică

H1 Participări la manifestații artistice internaționale

H2. Participări la manifestații artistice naționale

H3. Expoziții, filme, spectacole, concerte, discuri de autor, opere internaționale

H4. Expoziții, filme, spectacole, concerte, discuri de autor, opere naționale

H5. Produse cu drept de proprietate intelectuală în domeniul artistic

I. Premii, distincții.

Aprilie 2014 - **EvoCOP 2014**, Best Paper Award, pentru lucrarea „Learning Inherent Networks from Stochastic Search Methods”, Granada, Spania

Iulie 2011 - **GECCO 2011**, Best Paper Award, pentru lucrarea „Hierarchical allelic pairwise independent functions”, Dublin, Irlanda

Ianuarie – 2016 – bursa fundației Ballasi și a Ministerului Ungar al Resurselor Umane pentru sprijinul cadrelor didactice tinere.

Ianuarie – 2015 – bursa fundației Ballasi și a Ministerului Ungar al Resurselor Umane pentru sprijinul cadrelor didactice tinere.

J. Citări

24 lucrări citate, 91 citări independente

Publicație	Citări independente
Kapás, Zoltán, László Lefkovits, David Iclănzan, Ágnes Györfi, Barna László Iantovics, Szidónia Lefkovits, Sándor Miklós Szilágyi, and László Szilágyi. "Automatic Brain Tumor Segmentation in Multispectral MRI Volumes Using a Random Forest Approach." In <i>Pacific-Rim Symposium on Image and Video Technology</i> , pp. 137-149. Springer, Cham, 2017.	1
	Stoean, Ruxandra. "Analysis on the potential of an EA-surrogate modelling tandem for deep learning parametrization: an example for cancer classification from medical images." <i>Neural Computing and Applications</i> (2018): 1-10.
Szilágyi, László, László Lefkovits, Barna Iantovics, David Iclănzan, and Balázs Benyó. "Automatic brain tumor segmentation in multispectral MRI volumetric records." In <i>International Conference on Neural Information Processing</i> , pp. 174-181. Springer, Cham, 2015.	1
	Vajk, István, Gábor Harsányi, András Poppe, Sándor Imre, Bálint Kiss, Ákos Jobbágy, Gyula Katona, Lajos Nagy, Gábor Magyar, and István Kiss. "BME VIK Annual Research Report on Electrical Engineering and Computer Science 2015." <i>Periodica Polytechnica Electrical Engineering and Computer Science</i> 60, no. 1 (2016): 1-36.
Iclănzan, David, Fabio Daolio, and Marco Tomassini. "Data-driven local optima network characterization of QAPLIB instances." In <i>Proceedings of the 2014 Annual Conference on Genetic and Evolutionary Computation</i> , pp. 453-460. ACM, 2014.	9
	Ochoa, Gabriela, and Nadarajan Veerapen. "Additional dimensions to the study of funnels in combinatorial landscapes." In <i>Proceedings of the Genetic and Evolutionary Computation Conference 2016</i> , pp. 373-380. ACM, 2016.

	Ochoa, Gabriela, Nadarajen Veerapen, Darrell Whitley, and Edmund K. Burke. "The multi-funnel structure of TSP fitness landscapes: a visual exploration." In <i>International Conference on Artificial Evolution (Evolution Artificielle)</i> , pp. 1-13. Springer, Cham, 2015.	
	Veerapen, Nadarajen, Gabriela Ochoa, Renato Tinós, and Darrell Whitley. "Tunnelling crossover networks for the asymmetric TSP." In <i>International Conference on Parallel Problem Solving from Nature</i> , pp. 994-1003. Springer, Cham, 2016.	
	Ochoa, Gabriela, and Nadarajen Veerapen. "Mapping the global structure of TSP fitness landscapes." <i>Journal of Heuristics</i> 24, no. 3 (2018): 265-294.	
	Bożejko, Wojciech, Andrzej Gnatowski, Teodor Nizyński, Michael Affenzeller, and Andreas Beham. "Local Optima Networks in Solving Algorithm Selection Problem for TSP." In <i>International Conference on Dependability and Complex Systems</i> , pp. 83-93. Springer, Cham, 2018.	
	Thomson, Sarah L., Sébastien Verel, Gabriela Ochoa, Nadarajen Veerapen, and David Cairns. "Multifractality and dimensional determinism in local optima networks." In <i>Proceedings of the Genetic and Evolutionary Computation Conference</i> , pp. 371-378. ACM, 2018.	
	Liu, Jing, Hussein A. Abbass, and Kay Chen Tan. "Problem Difficulty Analysis Based on Complex Networks." In <i>Evolutionary Computation and Complex Networks</i> , pp. 39-52. Springer, Cham, 2019.	
	Thomson, Sarah L., Gabriela Ochoa, Fabio Daolio, and Nadarajen Veerapen. "The effect of landscape funnels in QAPLIB instances." In <i>Proceedings of the Genetic and Evolutionary Computation Conference Companion</i> , pp. 1495-1500. ACM, 2017.	
	Herrmann, Sebastian, Gabriela Ochoa, and Franz Rothlauf. "Coarse-Grained Barrier Trees of Fitness Landscapes." In <i>International Conference on Parallel Problem Solving from Nature</i> , pp. 901-910. Springer, Cham, 2016.	
Iclânzan, David, Fabio Daolio, and Marco Tomassini. "Learning inherent networks from stochastic search methods." In <i>European Conference on Evolutionary Computation in Combinatorial Optimization</i> , pp. 157-169. Springer, Berlin, Heidelberg, 2014.		1
	Goldman, Brian W., and William F. Punch. "Hyperplane elimination for quickly enumerating local optima." In <i>European Conference on Evolutionary Computation in Combinatorial Optimization</i> , pp. 154-169. Springer, Cham, 2016.	
Iclânzan, David, Anca Gog, and Camelia Chira. "Cell state change dynamics in cellular automata." <i>Memetic Computing</i> 5, no. 2 (2013): 131-139.		1
	Miao ZH, Li ZH: A hybrid evacuation model and simulation based on SPH method (Chinese). <i>Acta Automatica Sinica</i> 40(5):935-941, 2014, ISSN 1874-1029	
Iclânzan, David. "Higher-order linkage learning in the ECGA." In <i>Proceedings of the 14th annual conference on Genetic and evolutionary computation</i> , pp. 265-272. ACM, 2012.		1
	Martins, Jean P., and Alexandre CB Delbem. "Pairwise independence and its impact on Estimation of Distribution Algorithms." <i>Swarm and Evolutionary Computation</i> 27 (2016): 80-96, Elsevier.	
Chira, Camelia, Anca Gog, and David Iclânzan. "Evolutionary detection of community structures in complex networks: A new fitness function." In <i>Evolutionary Computation (CEC), 2012 IEEE Congress on</i> , pp. 1-8. IEEE, 2012.		12
	Chakraborty, Tanmoy, Ayushi Dalmia, Animesh Mukherjee, and Niloy Ganguly. "Metrics for community analysis: A survey." <i>ACM Computing Surveys (CSUR)</i> 50, no. 4 (2017): 54.	
	Choudhury, Deepjyoti, and Arnab Paul. "Community detection in social networks: an overview." <i>Int J Res Eng Technol</i> 2, no. 2 (2013): 83-88.	
	Ahuja, Mini Singh, Randeep Kaur, and Dinesh Kumar. "Trend towards the use of complex networks in cloud computing environment." <i>Int J Hybrid Inf Technol</i> 8, no. 3 (2015): 297-306.	

	Suciu, Mihai, Rodica Ioana Lung, and Noémi Gaskó. "Mixing network extremal optimization for community structure detection." In <i>European Conference on Evolutionary Computation in Combinatorial Optimization</i>, pp. 126-137. Springer, Cham, 2015. Zadeh, Pooya Moradian, and Ziad Kobti. "Community detection in social networks by cultural algorithm." In <i>Collaboration Technologies and Systems (CTS), 2015 International Conference on</i>, pp. 319-325. IEEE, 2015. FO de França, Fabricio Olivetti, and Guilherme Palermo Coelho. "A flexible fitness function for community detection in complex networks." In <i>Complex Networks VI</i>, pp. 1-12. Springer, Cham, 2015. Joldos, Marius, and Camelia Chiral. "A parallel evolutionary approach to community detection in complex networks." In <i>2017 13th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP)</i>, pp. 247-254. IEEE, 2017. Kang, Ying, Xiaoyan Gu, Weiping Wang, and Dan Meng. "Scalable Clustering Algorithm via a Triangle Folding Processing for Complex Networks." In <i>Proceedings of the 24th ACM International on Conference on Information and Knowledge Management</i>, pp. 33-42. ACM, 2015. Jora, Cristian, and Camelia Chira. "Evolutionary community detection in complex and dynamic networks." In <i>Intelligent Computer Communication and Processing (ICCP), 2016 IEEE 12th International Conference on</i>, pp. 127-134. IEEE, 2016. Jora, C. and Chira, C., 2016, September. Evolutionary community detection in complex and dynamic networks. In <i>Intelligent Computer Communication and Processing (ICCP), 2016 IEEE 12th International Conference on</i> (pp. 127-134). IEEE. SHARMA, NEETIKA, VIBHUTI BANSAL, DEEPALI JAIN, and POOJA TRIPATHI. "TREND TOWARDS THE USE OF COMPLEX NETWORKS IN CLOUD COMPUTING ENVIRONMENT." <i>Journal on Recent Innovation in Cloud Computing, Virtualization & Web Applications [ISSN: 2581-544X (online)]</i> 2, no. 1 (2018). Toujani, Radhia, and Jalel Akaichi. "A Model Based Metaheuristic for Hybrid Hierarchical Community Structure in Social Networks." <i>ISI</i> 1 (2017): 1.	
Szilágyi, László, Sándor Miklós Szilágyi, David Iclánzan, and Lehel Szabó. "Efficient 3D curve skeleton extraction from large objects." In <i>Iberoamerican Congress on Pattern Recognition</i> , pp. 133-140. Springer, Berlin, Heidelberg, 2011.		4
	Benyó, Balázs. "Identification of dental root canals and their medial line from micro-CT and cone-beam CT records." <i>Biomedical engineering online</i> 11, no. 1 (2012): 81. Bakken, Rune Havnung, and Lars Moland Eliassen. "Real-time three-dimensional skeletonisation using general-purpose computing on graphics processing units applied to computer vision-based human pose estimation." <i>The International Journal of High Performance Computing Applications</i> 31, no. 4 (2017): 259-273. Lu, Lu, and Xuwen Wang. "3D Skeleton Extraction Method using Potential Field on OpenCL." In <i>3rd International Conference on Computer Science and Service System</i>. Atlantis Press, 2014. Benyó, Balázs István. "Képkalkotó és képfeldolgozó eljárások hatékonyságának növelése az orvosiinformatikában." PhD diss., Budapesti Műszaki és Gazdaságtudományi Egyetem, 2013.	
Szilágyi, László, David Iclánzan, Lehel Crăciun, and Sándor Miklós Szilágyi. "An efficient approach to intensity inhomogeneity compensation using c-means clustering models." In <i>Iberoamerican Congress on Pattern Recognition</i> , pp. 312-319. Springer, Berlin, Heidelberg, 2011.		2
	Varvak, Mark. "Ellipsoidal/radial basis functions neural networks enhanced with the Rvachev function method in application problems." <i>Engineering Applications of Artificial Intelligence</i> 38 (2015): 111-121, Elsevier. Lefkovits, László, Szidónia Lefkovits, Petre Pop, and Mircea-Florin Vaida. "Bias field inhomogeneity measurements." In <i>E-Health and Bioengineering Conference (EHB), 2015</i>, pp. 1-4. IEEE, 2015.	

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L. Lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii

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