

Wykaz publikacji pracowników Wydziału Matematyki i Informatyki

w dyscyplinie INFORMATYKA za rok 2020

1. **Artiemjew P.**, *About granular rough computing-overview of decision system approximation techniques and future perspectives*, Algorithms 2020, 13 (4), s. 1-23, numer artykułu: 79, DOI: 10.3390/a13040079 (40 pkt)
2. **Artiemjew P.**, **Kiślak-Malinowska A.**, *Indiscernibility Mask Key for Image Steganography*, Computers 2020, 9 (2), s. 1-24, numer artykułu: 38, DOI: 10.3390/computers9020038 (20 pkt)
3. **Artiemjew P.**, **Ropiak K.**, *On granular rough computing : handling missing values by means of homogeneous granulation*, Computers 2020, 9 (1), s. 1-14, numer artykułu: 13, DOI: 10.3390/computers9010013 (20 pkt)
4. **Artiemjew P.**, Rudikova L., Myslivets O., *About rule-based systems : single database queries for decision making*, Future Internet 2020, 12 (12), s. 1-13, numer artykułu: 212, DOI: 10.3390/fi12120212 (40 pkt)
5. **Artiemjew P.**, Chojka A., Rapiński J., *Deep Learning for RFI Artifact Recognition in Sentinel-1 Data*, Remote Sensing 2020, 13 (1), s. 1-16, numer artykułu: 7, DOI: 10.3390/rs13010007 (100 pkt)
6. Bąk B., Wilk J., **Artiemjew P.**, Wilde J., Siuda M., *Diagnosis of Varroosis Based on Bee Brood Samples Testing with Use of Semiconductor Gas Sensors*, Sensors 2020, 20 (14), s. 1-20, numer artykułu: 4014, DOI: 10.3390/s20144014 (100 pkt)
7. Chojka A., **Artiemjew P.**, Rapiński J., *RFI Artefacts Detection in Sentinel-1 Level-1 SLC Data Based On Image Processing Techniques*, Sensors 2020, 20 (10), s. 1-22, numer artykułu: 2019, DOI: 10.3390/s20102919 (100 pkt)
8. Talun A., **Drozda P.**, Bukowski L., Scherer R., *FastText and XGBoost Content-Based Classification for Employment Web Scraping*, (w:) *19th International Conference on Artificial Intelligence and Soft Computing, ICAISC 2020, Zakopane, Poland, October 12-14, 2020, Proceedings, Part II* / edited by Leszek Rutkowski, Rafał Scherer, Marcin Korytkowski, Witold Pedrycz, Ryszard Tadeusiewicz, Jacek M. Zurada, Cham : Springer International Publishing, 2020, s. 435-444, DOI: 10.1007/978-3-030-61534-5_39 (20 pkt)
9. **Polkowski L.**, *On the compactness property for mereological spaces*, Fundamenta Informaticae 172(1)(2020), 73-95. DOI: 10.3233/FI-2020-1893 (70 pkt)
10. **Ropiak K.**, **Artiemjew P.**, *On a hybridization of deep learning and rough set based granular computing*, Algorithms 2020, 13 (3), s. 1-14, numer artykułu: 63, DOI: 10.3390/a13030063 (40 pkt)
11. **Ropiak K.**, **Artiemjew P.**, *Random Forests and Homogeneous Granulation*, (w:) *Information and Software Technologies : 26th International Conference, ICIST 2020, Kaunas, Lithuania, October 15-17, 2020, Proceedings* / Editors: Audrius Lopata, Rita Butkiene, Daina Gudoniene, Vilma Sukacke, Cham : Springer, 2020, s. 185-195, DOI: 10.1007/978-3-030-59506-7_16 (20 pkt)
12. Komova M., **Yakovyna V.**, *Identification of marked lexicon and its contextual features in social networks*, (w:) *2nd International Workshop on Control, Optimisation and Analytical Processing of Social Networks, COAPSN-2020, Lviv, Ukraine, May 21, 2020* / editors: Solomiia Fedushko, Thierry Oscar Edoh, Aachen : CEUR-WS, 2020, s. 152-164. (5 pkt)
13. Shakhovska N., **Yakovyna V.**, Kryvinska N., *An improved software defect prediction algorithm using self-organizing maps combined with hierarchical clustering and data preprocessing*, (w:) *31st International Conference on Database and Expert Systems Applications, DEXA 2020, Bratislava, Slovakia, September 14-17, 2020, Proceedings, Part I* / editors: Sven Hartmann,

Josef Küng, Gabriele Kotsis, A Min Tjoa, Ismail Khalil, Cham : Springer International Publishing, 2020, s. 414-424, DOI: 10.1007/978-3-030-59003-1_27 (70 pkt)

14. Bashtyk Y., Campos J., Fechan A., Konstantyniv S., **Yakovyna V.**, *Computer monitoring of physical and chemical parameters of the environment using computer vision systems: Problems and prospects*, (w:) *IDDM'2020: 3rd International Conference on Informatics & Data-Driven Medicine* / Editors: Natalia Shakhovska, Jaime Campos, Natalia Melnykova, Ivan Izonin, Växjö : CEUR-WS, 2020, s. 437-442, CEUR Workshop Proceedings 1613-0073 vol. 2753 (5 pkt)
15. **Yakovyna V.**, Shakhovska N., Shakhovska K., Campos J., *Recommendation rules mining for reducing the spread of COVID-19 cases*, (w:) *IDDM'2020: 3rd International Conference on Informatics & Data-Driven Medicine* / Editors: Natalia Shakhovska, Jaime Campos, Natalia Melnykova, Ivan Izonin, Växjö : CEUR-WS, 2020, s. 219-229, CEUR Workshop Proceedings 1613-0073 vol. 2753 (5 pkt)
16. **Yakovyna V.**, Seniv M., Symets I., Sambir N.B., *Algorithms and software suite for reliability assessment of complex technical systems*, *Radio Electronics Computer Science Control* 2020 (4), s. 163-177, DOI: 10.15588/1607-3274-2020-4-16 (20 pkt)
17. **Zbrzezny A.**, Szymoniak S., Kurkowski M., *Efficient verification of security protocols time properties using SMT solvers*, (w:) *International Joint Conference: 12th International Conference on Computational Intelligence in Security for Information Systems (CISIS 2019) and 10th International Conference on European Transnational Education (ICEUTE 2019) : Seville, Spain, May 13th-15th, 2019 Proceedings* / editors Francisco Martínez Alvarez, Alicia Troncoso Lora, Jose Antonio Saez Munoz Hector Quintian, Emilio Corchado, Cham : Springer International Publishing, 2020, s. 25-35, DOI: 10.1007/978-3-030-20005-3_3 (70 pkt)
18. **Zbrzezny A.**, Zbrzezny A., Szymoniak S., Siedlecka-Lamch O., Kurkowski M., *VerSecTis - an agent based model checker for security protocols*, *The 19th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2020)* Auckland, New Zealand, from 9th-13th May, 2020, New Zeland : Association for Computing Machinery (ACM), 2020, s. 2123-2125 (200 pkt)