

Zoznam publikačnej činnosti a ohlasov

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ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách

ABC01 DROZDA, Martin - SCHAUST, Sven - SZCZEBICKA, Helena. Immuno-inspired knowledge management for ad hoc wireless networks. In *Smart Information and Knowledge Management : Advances, Challenges, and Critical Issues*. 1. ed. Berlin : Springer, 2010, S. 1-26. ISBN 978-3-642-04583-7. V databáze: WOS ; SCOPUS.

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- [1] ABDELHAQ, Maha - HASSAN, Rosilah - ISMAIL, Mahamod - ISRAF, Daud. Detecting resource consumption attack over MANET using an artificial immune algorithm. In *Research Journal of Applied Sciences, Engineering and Technology*, 2011-12-06, 3, 9, pp. 1026-1033. ISSN 20407459., Registrované v: SCOPUS
- [1] ABDELHAQ, Maha - ALSAQOUR, Raed - ISMAIL, Mahamod - ABDELHAQ, Shawkat. Dendritic Cell Fuzzy Logic Algorithm over Mobile Ad Hoc Networks. In *PROCEEDINGS SIXTH INTERNATIONAL CONFERENCE ON INTELLIGENT SYSTEMS, MODELLING AND SIMULATION*, 2015, vol., no., pp. 64-69. ISSN 2166-0662., Registrované v: WOS, SCOPUS
- [1] ABDELHAQ, Maha - ALSAQOUR, Raed - ABDELHAQ, Shawkat. Securing Mobile Ad Hoc Networks Using Danger Theory-Based Artificial Immune Algorithm. In *PLOS ONE*, 2015, vol. 10, no. 5, pp. ISSN 1932-6203., Registrované v: WOS, SCOPUS
- [1] ABDELHAQ, Maha - ALSAQOUR, Raed - ALGARNI, Abeer - ALABDULHAFITH, Maali - ALAWI, Mahmoud - TAHA, Aqeel - SHAREF, Baraa - TARIQ, Mustafa. Human immune-based model for intrusion detection in mobile ad hoc networks. In *PEER-TO-PEER NETWORKING AND APPLICATIONS*, 2020, vol. 13, no. 3, pp. 1046-1068. ISSN 1936-6442., Registrované v: WOS, CC, SCOPUS

ADC Vedecké práce v zahraničných karentovaných časopisoch

ADC01 DROZDA, Martin - SCHAUST, Sven - SCHILDT, Sebastian - SZCZEBICKA, Helena. Priming: making the reaction to intrusion or fault predictable. In *Natural Computing*. Vol. 10, (2011), s. 243-274. ISSN 1567-7818 (2011: 0.459 - SJR, Q2 - SJR Best Q). V databáze: CC ; SCOPUS.

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- [1] FU, Rongrong - ZHENG, Kangfeng - LU, Tianliang - ZHANG, Dongmei - YANG, Yixian. Biologically inspired anomaly detection for hierarchical wireless sensor networks. In *Journal of Networks*, 2012-09-14, 7, 8, pp. 1214-1219. ISSN 17962056., Registrované v: SCOPUS
- [1] LOH, Kenneth J. - RYU, Donghyeon - LEE, Bo Mi. Bio-inspired sensors for structural health monitoring. In *Biotechnologies and Biomimetics for Civil Engineering*, 2015-01-01, pp. 255-274., Registrované v: SCOPUS
- [1] BARBOSA, Valmir C. - DONANGELO, Raul - SOUZA, Sergio R. Quasispecies dynamics on a network of interacting genotypes and idiotypes: formulation of the model. In *JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT*, 2015, vol., no., pp. ISSN 1742-5468., Registrované v: WOS, SCOPUS
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ADC02 LEHOCKI, Fedor - JUHÁS, Gabriel - LORENZ, Robert - SZCZEBICKA, Helena - DROZDA, Martin. Decision Support with Logical and Fuzzy Petri Nets. In *Cybernetics and Systems*. Vol. 39, No. 6 (2008), s.617-639. ISSN 0196-9722 (2008: 0.494 - IF, 0.293 - SJR, Q3 - SJR Best Q).

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2. [1] LIU, Hu-Chen - YOU, Jian-Xin - YOU, Xiao-Yue - SU, Qiang. Fuzzy Petri nets Using Intuitionistic Fuzzy Sets and Ordered Weighted Averaging Operators. In *IEEE TRANSACTIONS ON CYBERNETICS*, 2016, vol. 46, no. 8, pp. 1839-1850. ISSN 2168-2267., Registrované v: WOS, SCOPUS
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ADC03 DROZDA, Martin - SCHILDT, Sebastian - SCHAUST, Sven - EINHELLINGER, Sandra - SZCZEBICKA, Helena. A tool for prototyping AIS based protection systems for ad hoc and sensor networks. In *Cybernetics and Systems*. Vol. 39, No. 7 (2008), s. 717-740. ISSN 0196-9722 (2008): 0.494 - IF, 0.293 - SJR, Q3 - SJR Best Q). V databáze: CC ; SCOPUS.

ADE Vedecké práce v ostatných zahraničných časopisoch

ADE01 BARRETT, Chris - DROZDA, Martin - MARATHE, Madhav V. - RAVI, S. S. - SMITH, James P. A Mobility and Traffic Generation Framework for Modeling and Simulating Ad Hoc Communication Networks. In *Scientific Programming*. Vol. 12, Iss. 1 (2004), s. 1-23. ISSN 1058-9244 (2004). V databáze: SCOPUS.

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ADM Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADM01 ROKICKI, Markus - DROZDA, Martin. Evaluating trade-offs in energy-efficient error detection. In *International Journal of Communication Systems : Energy Efficient Networking*. Vol. 30, Iss. 7 (2017), Art. no. e3028 [18] s. ISSN 1074-5351 (2017): 1.717 - IF, Q3 - JCR Best Q, 0.326 - SJR, Q2 - SJR Best Q). V databáze: WOS: 000405964000007 ; SCOPUS: 2-s2.0-84939181523.

ADM02 BECKER, Matthias - DROZDA, Martin - SCHAUST, Sven - BOHLMANN, Sebastian - SZCZEBICKA, Helena. On classification approaches for misbehavior detection in wireless sensor networks. In *Journal of computers*. Vol. 4, No. 5 (2009), s. 357-365. ISSN 1796-203X. V databáze: WOS ; SCOPUS.

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2. [1] SANDEEP KUMAR, E. Improving WSN routing and security with an artificial intelligence approach. In *CEUR Workshop Proceedings*, 2014-01-01, 1334, pp. 62-71. ISSN 16130073., Registrované v: SCOPUS
3. [1] USMAN, Muhammad - MUTHUKUMARASAMY, Vallipuram - WU, Xin Wen - KHANUM, Surraya. Mobile agent-based anomaly detection and verification system for smart home sensor networks. In *Mobile Agent-Based Anomaly Detection and Verification System for Smart Home Sensor Networks*, 2018-01-31, pp. 1-139., Registrované v: SCOPUS

AFC Publikované príspevky na zahraničných vedeckých konferenciách

- AFC01 ČAVOJSKÝ, Maroš - DROZDA, Martin. Comparison of user trajectories with the Needleman-Wunsch algorithm. In *Mobile Computing, Applications, and Services : 10th EAI International conference, MobiCASE 2019. Hangzhou, China. June 14-15, 2019*. Cham : Springer, 2019, S. 141-154. ISBN 978-3-030-28467-1. V databáze: DOI: 10.1007/978-3-030-28468-8_11 ; SCOPUS: 2-s2.0-85075721719.
- AFC02 ČAVOJSKÝ, Maroš - UHLÁR, Marek - IVANIŠ, Marián - MOLNÁR, Martin - DROZDA, Martin. User trajectory extraction based on WiFi scanning. In *W-FiCloud 2018 : 6th International conference on future internet of things and cloud workshops. Barcelona, Spain. August 6-8, 2018*. Piscataway : IEEE, 2018, S. 115-120. ISBN 978-1-5386-7810-7. V databáze: IEEE: 8488184 ; SCOPUS: 2-s2.0-85056535248.
- AFC03 MARČEK, Stanislav - DROZDA, Martin. Predicting system failures on mobile devices. In *Lecture Notes in Electrical Engineering*. Vol. 381 MedCT 2015, Vol. 2 : Mediterranean conference on information & communication technologies. Saidia, Morocco. May 7-9, 2015. Berlin : Springer, (2016), s. 499-508, ISBN 978-3-319-30296-6. ISSN 1876-1100 (2016: 0.128 - SJR, Q3 - SJR Best Q). V databáze: SCOPUS: 2-s2.0-84964010249 ; WOS: 000385280000051.
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- AFC04 ČAVOJSKÝ, Maroš - DROZDA, Martin. Energy efficient trajectory recording of mobile devices using WiFi scanning. In *UIC-ATC-ScalCom-CBDCCom-IoP-SmartWorld 2016 [elektronický zdroj] : Conferences and workshops. Toulouse, France. July 18-21, 2016*. Piscataway : IEEE, 2016, USB, S. 1079-1085. ISBN 978-1-5090-2770-5. V databáze: IEEE ; SCOPUS: 2-s2.0-8501317401.
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- AFC06 LO, Mei-Chen - HSU, C.Y. - DROZDA, Martin. Building priority strategies of brand equity measurement with AHP - case of mobile companies in Taiwan. In *IEEM 2015 : IEEE International conference on industrial engineering and engineering management. Singapore. December 6-9, 2015*. Danvers : IEEE, 2016, S. 514-518. ISBN 978-1-4673-8066-9. V databáze: IEEE ; WOS: 000380434300105 ; SCOPUS: 2-s2.0-84962026504.
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- AFC08 DROZDA, Martin - BATE, Iain - TIMMIS, Jon. Bio-inspired Error Detection for Complex Systems. In *17th Pacific Rim International Symposium on Dependable Computing : Pasadena, USA. December 12-14, 2011*. Danvers : IEEE, 2011, S. 154-163. ISBN 978-1-4577-2005-5. V databáze: WOS ; SCOPUS ; IEEE.
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- AFC10 DROZDA, Martin - SCHAUST, Sven - SCHILDT, Sebastian - SZCZERBICKA, Helena. An error propagation algorithm for ad hoc wireless networks. In *Artificial Immune Systems : 8th International Conference, ICARIS 2009, York, United Kingdom, August 9-12, 2009*. 1. ed. Berlin : Springer, 2009, S. 260-273. ISBN 978-3-642-03245-5. V databáze: WOS ; SCOPUS.
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AFC12 LEHOCKI, Fedor - JUHÁS, Gabriel - LORENZ, Robert - DROZDA, Martin. Extended Fuzzy Petri Nets for Decision Support. In *ISABEL 2008 : 1st International Symposium on Applied Sciences in Biomedical and Communication Technologies. Aalborg, Denmark, 25.-28.10.2008* : Aalborg University, 2008, s.CD-Rom. ISBN 978-142442647-8.

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AFC13 BECKER, Matthias - DROZDA, Martin - JASCHKE, Sebastian - SCHAUST, Sven. Comparing performance of misbehavior detection based on Neural Networks and AIS. In *Systems, Man and Cybernetics : International Conference, Singapore. October 12-15, 2008*. Piscataway : IEEE, 2008, S. 757-762. ISBN 978-1-4244-2383-5. V databáze: IEEE ; WOS ; SCOPUS.

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AFC14 BECKER, Matthias - DROZDA, Martin - SCHAUST, Sven. Performance of security mechanisms in wireless ad hoc networks. In *ECMS 2008 : Proceedings of the 2008 High Performance Computing & Simulation Conference. Nicosia, Cyprus. June 3-6, 2008*. Nicosia : University of Cyprus, 2008, S. 235-240. ISBN 978-0-9553018-7-2.

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AFC15 DROZDA, Martin - SCHILDT, Sebastian - SCHAUST, Sven - EINHELLINGER, Sandra - SZCZERBICKA, Helena. AIS-Lib: An AIS library for ad hoc and sensor wireless networks. In *WONS 2008 : 5th Annual Conference on Wireless on Demand Network Systems and Services. Garmisch-Partenkirchen, Germany. January 23-25, 2008* : IEEE, 2008, S. 85-88. ISBN 978-1-4244-1958-6. V databáze: IEEE ; WOS ; SCOPUS.

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AFC16 SCHAUST, Sven - DROZDA, Martin - SZCZERBICKA, Helena. Impact of packet injection models on misbehaviour detection performance in wireless sensor networks. In *MASS 2007 : 4th International Conference on Mobile Adhoc and Sensor Systems. Pisa, Italy. October 8-11, 2007* : IEEE, 2007, [6] s. ISSN 2155-6806. ISBN 978-1-4244-1454-3. V databáze: IEEE ; WOS ; SCOPUS.

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Large Scale Network-Centric Distributed Systems, 2013-01-01, pp. 219-253., Registrované v: SCOPUS

- AFC17 DROZDA, Martin - SCHAUST, Sven - SZCZERBICKA, Helena. AIS for Misbehavior Detection in Wireless Sensor Networks: Performance and Design Principles. In *CEC 2007 : Proceedings of the IEEE Congress on Evolutionary Computation. Singapore. September 25-28, 2007* : IEEE, 2007, S. 3719-3726. ISSN 1089-778X. ISBN 978-1-4244-1339-3. V databáze: IEEE ; WOS ; SCOPUS.
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