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## Zoznam najvýznamnejších vedeckých prác

### Zodpovedný riešiteľ projektu/grantu:

1. BRIDA, P., CEPEL, P., DUHA, J.: Mobile Positioning in Next Generation Networks (Chapter XI). In Kotsopoulos, S. & Ioannou, K. (Ed.), Handbook of Research on Heterogeneous Next Generation Networking: Innovations and Platforms (pp. 223 - 252). New York, Hershey: IGI Global (Information science reference), 10/2008. ISBN 978-1-60566-108-7 (hardcover), ISBN 978-1-60566-109-4 (ebook). [AH 3,75] (Scopus) (ABA)
2. BRIDA, P., MACHAJ, J.: A Novel Enhanced Positioning Trilateration Algorithm Implemented for Medical Implant In-Body Localization, International Journal of Antennas and Propagation, vol. 2013, Article ID 819695, 10 pages, ISSN 1687-5877, 2013. (Thomson CC, IF 0.827, Scopus, SJR 0.456) (ADC)
3. BRIDA, P., MACHAJ, J., BENIKOVSKY, J.: A Modular Localization System as a Positioning Service for Road Transport, Sensors, 2014, 14(11), pp. 20274-20296. ISSN 1424-8220. (IF 2.245, Thomson Master Journal List, Scopus, SJR 0.601) (ADM)
4. BRIDA, P., MACHAJ, J., BENIKOVSKY, J.: Wireless sensor localization using enhanced DV-AoA algorithm, Turkish Journal of Electrical Engineering & Computer Sciences (Turk. J. Elec. Eng. & Comp. Sci.), vol. 22, issue 3, 2014, pp. 679-689. ISSN 1300-0632. (IF 0.407, Thomson Master Journal List, Scopus, SJR 0.37) (ADM)
5. MACHAJ, J., BRIDA, P.: Impact of Radio Fingerprints Processing on Localization Accuracy of Fingerprinting Algorithms, ELEKTRONIKA IR ELEKTROTECHNIKA (Electronics and Electrical Engineering), No. 7 (123), pp. 129-132, ISSN: 1392-1215, 2012. (Thomson MJL, IF 0.411, SJR 0.223)
6. BRIDOVA, I., VACULIK, M., BRIDA, P.: Impact of Background Traffic on VoIP QoS Parameters in GPON Upstream Link, ELEKTRONIKA IR ELEKTROTECHNIKA (Electronics and Electrical Engineering), No. 1 (107), pp. 111-114, ISSN: 1392-1215, 2011. (Thomson MJL, IF 0.913, SJR 0.198) (ADE)
7. BRIDA, P., MACHAJ, J., BENIKOVSKY, J., DUHA, J.: An Experimental Evaluation of AGA Algorithm for RSS Positioning in GSM Networks, ELEKTRONIKA IR ELEKTROTECHNIKA (Electronics and Electrical Engineering), No. 8(104), 2010, pp. 113-118, ISSN 1392-1215. (Thomson MJL, IF 0.659, SJR 0.221) (ADE)
8. BRIDA, P., MACHAJ, J., DUHA, J.: A Novel Optimizing Algorithm for DV based Positioning Methods in ad hoc Networks, ELEKTRONIKA IR ELEKTROTECHNIKA (Electronics and Electrical Engineering), No. 1(97), 2010, pp. 33-38, ISSN\_1392-1215 (Thomson MJL, IF 0.659, SJR 0.221) (ADE)
9. BRIDA, P., MACHAJ, J., GABORIK, F., MAJER, N.: Performance Analysis of Positioning in Wireless Sensor Networks, Przegląd Elektrotechniczny (Electrical Review), vol. 87, Iss. 5, pp. 257-260, ISSN: 0033-2097, 2011. (Thomson MJL, IF 0.244, SJR 0.202) (ADE)
10. BRIDA, P., CEPEL, P., DUHA, J.: Geometric Algorithm for Received Signal Strength Based Mobile Positioning, Radioengineering, June 2005, p. 1-6. ISSN 1210-2512. (Thomson MJL, SJR 0.214) (ADE)
11. MACHAJ, J., BRIDA, P.: Optimization of Rank Based Fingerprinting Localization Algorithm, 2012 International Conference on Indoor Positioning and Indoor Navigation (IPIN) 2012, Sydney, Australia, pp. 1-7, 13-15 November 2012, ISBN: 978-1-4673-1954-6. (Thomson WoS, Scopus, IEEE) (AFC)
12. MACHAJ, J., PICHÉ, R., BRIDA, P.: Rank Based Fingerprinting Algorithm for Indoor Positioning. In International Conference on Indoor Positioning and Indoor Navigation (IPIN), 21-23 September 2011, Guimarães, Portugal, September 2011. ISBN 978-1-4577-1804-5. (Thomson WoS, Scopus, IEEE) (AFC)
13. BRIDA, P., MACHAJ, J., BENIKOVSKY, J., DUHA, J.: A New Complex Angle of Arrival Location Method for ad hoc Networks, 7th Workshop on Positioning, Navigation and Communication 2010 WPNC'10, Dresden, Germany, 11-12 March, 2010, pp. 284-290, ISBN: 978-1-4244-7157-7. (Scopus, IEEE) (AFC)
14. BRIDA, P., MAJER, N., DUHA, J., CEPEL, P.: A Novel AoA Positioning Solution for Wireless Ad Hoc Networks Based on Six-Port Technology. The Second Joint IFIP Wireless and Mobile Networking Conference WMNC'2009, September 9-11, 2009, Gdańsk, Poland, pp. 208-219, ISBN 978-3-642-03840-2. (Thomson WoS, Scopus, Springer) (AFC)

V Žiline, dňa 20.05.2016

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