

**doc. Ing. Juraj Gazda, PhD.**

**Zoznam pôvodných publikovaných vedeckých prác, odborných prác a umeleckých prác, učebníc učebných textov, prehľad preukázateľných citácií a ohlasov na vedecké práce, odborné práce, prehľad prednášok a prednáškových pobytov doma a v zahraničí**

**Zoznam publikačnej činnosti**

AAA - Vedecké monografie vydané v zahraničných vydavateľstvách (1)  
AAB - Vedecké monografie vydané v domácich vydavateľstvách (1)  
ABC - Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách (1)  
ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách (1)  
BCI - Skriptá a učebné texty (4)  
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ADD - Vedecké práce v domácich karentovaných časopisoch (1)  
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BEE - Odborné práce v zahraničných nerecenzovaných zborníkoch (konferenčných aj nekonferenčných) (1)

**AAA - Vedecké monografie vydané v zahraničných vydavateľstvách(1)**

**Multicarrier systems undergoing nonlinear amplification** OFDM, SC-FDMA and MIMO/ Juraj Gazda - Saarbrücken : Verlag, LAP LAMBERT - 2010. - 127 p. - ISBN 978-3-8433-8313-4.

**AAB - Vedecké monografie vydané v domácich vydavateľstvách(1)**

**Dynamické zdieľanie frekvenčného spektra v 5G sieťach** Monografia/ Juraj Gazda, Gabriel Bugár - 1. vyd. - Košice : Technická univerzita v Košiciach - 2019. - 96 s. [print]. - ISBN 978-80-553-3360-1.

**ABC - Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách(1)**

**Reduction of Nonlinear Distortion in Multi-Antenna WiMAX Systems** / Peter Drotár ... [et al.] - 2011.In: Advanced transmission techniques in WiMAX. - Rijeka : InTech, 2011 P. 59-76 [1,15 AH]. - ISBN 978-953-307-965-3

**ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách(1)**

**Prototypovanie s pomocou KPIKIT** / Norbert Ádám, Juraj Gazda, Eva Chovancová, Juraj Mihaľov - 1. vyd. - Košice : Technická univerzita v Košiciach - 2019. - 248 s. [print]. - ISBN 978-80-553-3381-6.

**ADC - Vedecké práce v zahraničných karentovaných časopisoch(17)**

**Receiver technique for iterative estimation and cancellation of nonlinear distortion in MIMO SFBC-OFDM Systems** / Peter Drotár ... [et al.] - 2010.In: IEEE Transactions on Consumer Electronics. Vol. 56, no. 2 (2010), p. 471-475. - ISSN 0098-3063

**Tone reservation for SFBC-OFDM with no spectral broadening** / J. Gazda ... [et al.] - 2010.In: Frequenz. Vol. 64, no. 7-8 (2010), p. 140-143. - ISSN 0016-1136 Spôsob prístupu: [http://frequenz.schiele-schoen.de/108/15758/fre21008140/Tone\\_Reservation\\_forSFBC\\_OFDM\\_with\\_no\\_Spectral\\_Broadening.html](http://frequenz.schiele-schoen.de/108/15758/fre21008140/Tone_Reservation_forSFBC_OFDM_with_no_Spectral_Broadening.html).

**Iterative Suboptimal Maximum Likelihood Receiver for Nonlinearly Distorted SC-FDMA Symbols** / Juraj Gazda ... [et al.] - 2011.In: Frequenz. Vol. 65, no. 11 (2011), p. 327-334. - ISSN 0016-1136 Spôsob prístupu: <http://www.reference-global.com/doi/abs/10.1515/FREQ.2011.049>.

**Iterative signal reconstruction of deliberately clipped SMT signals** / Kollár, Zsolt ... [et al.] - 2013.In: Science China Information Sciences. - 2013 P. 1-13. - ISSN 1674-733X Spôsob prístupu: <http://link.springer.com/article/10.1007/s11432-013-4921-7>.

**Agent-based modeling of the cooperative spectrum management with insurance in cognitive radio networks** / Denis Horváth, Vladimír Gazda, Juraj Gazda - 2013.In: EURASIP Journal on Wireless Communications and Networking. 30 p.. - ISSN 1687-1499 Spôsob prístupu: <http://jwcn.urasipjournals.com/content/2013/November/2013>.

**An Experimental Comparison of Feature Selection Methods on Two-Class Biomedical Datasets** / Peter Drotár, Juraj Gazda, Zdenek Smekal - 2015.In: Computers in Biology and Medicine. Vol. 66 (2015), p. 1-10. - ISSN 0010-4825 Spôsob prístupu: <http://www.sciencedirect.com/science/article/pii/S0010482515002917>.

**An Agent-Based Economy Model of Real-Time Secondary Market for the Cognitive Radio Networks** / Ján Pastirčák ... [et al.] - 2016.In: Journal of Networks and System Management. Vol. 24, no. 2 (2016), p. 427-443. - ISSN 1064-7570 Spôsob prístupu: [http://apps.webofknowledge.com/full\\_record.do?product=CCC&search\\_mode=GeneralSearch&qid=2&SID=V17aoZkyjijADuoltBX&page=1&doc=1](http://apps.webofknowledge.com/full_record.do?product=CCC&search_mode=GeneralSearch&qid=2&SID=V17aoZkyjijADuoltBX&page=1&doc=1).

**Tax optimization in an agent-based model of real-time spectrum secondary market** / Juraj Gazda ... [et al.] - 2017.In: Telecommunication Systems. Vol. 64, no. 3 (2017), p. 543-558. - ISSN 1018-4864

**A new bio-inspired, population-level approach to the socioeconomic evolution of dynamic spectrum access services** / Denis Horvath, Juraj Gazda, Branislav Brutovsky - 2017.In: International Journal of Modern Physics C. Vol. 28, no. 5 (2017), p. 1-21. - ISSN 0129-1831

**Dynamic spectrum leasing and retail pricing using an experimental economy** / Juraj Gazda ... [et al.] - 2017.In: Computer Networks. Vol. 121 (2017), p. 173-184. - ISSN 1389-1286 Spôsob prístupu: <http://www.sciencedirect.com/science/article/pii/S1389128617301718>.

**On the interdependence of the financial market and open access spectrum market in the 5G network** / Juraj Gazda ... [et al.] - 2018.In: Symmetry-Basel. Vol. 10, no. 1 (2018), p. 1-17. - ISSN 2073-8994

**Unsupervised learning algorithm for intelligent coverage planning and performance optimization of multitier heterogeneous network** / Juraj Gazda ... [et al.] - 2018.In: IEEE Access. Vol. 6 (2018), p. 39807-39819. - ISSN 2169-3536 Spôsob prístupu: [https://apps.webofknowledge.com/Search.do?product=WOS&SID=C51WIQz1spHEOK6TV84&search\\_mode=GeneralSearch&prID=1af392d1-014b-4956-a574-caa983c6d92a](https://apps.webofknowledge.com/Search.do?product=WOS&SID=C51WIQz1spHEOK6TV84&search_mode=GeneralSearch&prID=1af392d1-014b-4956-a574-caa983c6d92a).

**Modeling and Analysis of Self-Organizing UAV-Assisted Mobile Networks with Dynamic On-Demand Deployment** / Denis Horváth ... [et al.] - 2019.In: Entropy. - Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 21, č. 11 (2019), s. art.no. 1077-art.no. 1077 [online]. - ISSN 1099-4300 (online)

**Techno-economic framework for dynamic operator selection in a multi-tier heterogeneous network** / Gabriel Bugár ... [et al.] - 2020.In: Ad Hoc Networks. - Holandsko : Elsevier Roč. 97 (2020), s. art.no. 102007-art.no. 102007 [print]. - ISSN 1570-8705

**Intelligent framework for radio access network design** / Taras Maksymyuk ... [et al.] - 2020.In: Wireless networks : the journal of mobile communication, computation and information. Roč. 26, č. 1 (2020), s. 759-774 [print]. - ISSN 1022-0038

**A Blockchain Token-Based Trading Model for Secondary Spectrum Markets in Future Generation Mobile Networks** / Mubbashar A., Khan ... [et al.] - 2020.In: Wireless Communications and Mobile Computing. - LONDON (Veľká Británia) : Wiley-Hindawi Roč. 2020 (2020), s. 1-12 [online]. - ISSN 1530-8669 Spôsob prístupu: <https://www.hindawi.com/journals/wcmc/2020/7975393/>.

**Blockchain-Empowered Framework for Decentralized Network Management in 6G** / Taras Maksymyuk ... [et al.] - 2020.In: IEEE COMMUNICATIONS MAGAZINE. - Piscataway, NJ (USA) : Institute of Electrical and Electronics Engineers Roč. 58, č. 9 (2020), s. 86-92 [online]. - ISSN 0163-6804 Spôsob prístupu: <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9214395>.

#### **ADD - Vedecké práce v domácich karentovaných časopisoch(1)**

**Agent-based model of the spectrum auctions with sensing imperfections in dynamic spectrum access networks** / Juraj Gazda ... [et al.] - 2017.In: Computing and Informatics. Roč. 36, č. 5 (2017), s. 1041-1062. - ISSN 1335-9150

#### **ADE - Vedecké práce v zahraničných nekarentovaných časopisoch(6)**

**Effects of spreading sequences on the performance of MC-CDMA system with nonlinear models of HPA** / Peter Drotár ... [et al.] - 2009.In: Radioengineering. Vol. 18, no. 1 (2009), p. 48-54. - ISSN 1210-2512 Spôsob prístupu: <http://www.radioeng.cz>.

**Joint microstatistic multiuser detection and cancellation of nonlinear distortion effects for the uplink of MC-CDMA systems using golay codes** / Peter Drotár ... [et al.] - 2009.In: International Journal of Electronics, Communications and Computer Engineering. Vol. 1, no. 1(2009), p. 87-92. - ISSN 2073-0543 Spôsob prístupu: <http://www.waset.org/journals/ijecce/v1.php>.

**Performance improvement of MC-CDMA microstatistic multi-user detection in nonlinear fading channels using spreading code selection** / Juraj Gazda ... [et al.] - 2010.In: Híradástechnika. Vol. 65, no. 3 (2010), p. 53-61. - ISSN 2061-2079 Spôsob prístupu: [http://www.hiradastechnika.hu/2010\\_03\\_en](http://www.hiradastechnika.hu/2010_03_en).

**Iterative algorithm for channel Re-estimation and data recovery in nonlinearly distorted OFDM systems** / Ján Šterba ... [et al.] - 2010.In: Acta Polytechnica Hungarica. Vol. 7, no. 1 (2010), p. 103-118. - ISSN 1785-8860 Spôsob prístupu: <http://bmf.hu/journal>.

**Performance evaluation of M-APSK modulation in the nonlinearly distorted LTE uplink** / Juraj Gazda, Denis Dupák, Dusan Kocur - 2012.In: Information Technology Journal. Vol. 11, no. 10 (2012), p. 1418-1425. - ISSN 1812-5646

**Simulation of code tracking error variance with early late DII for GalileoGPS bandlimited receivers** / Ondrej Daniel, Martin Ernesto Orejas, Juraj Gazda - 2012.In: Journal of Theoretical and Applied Information Technology. Vol. 41, no. 2 (2012), p. 214-219. - ISSN 1992-8645

#### **ADF - Vedecké práce v domácich nekarentovaných časopisoch(3)**

**Joint evaluation of nonlinear distortion effects and signal metrics in OFDM based transmission systems** / Juraj Gazda ... [et al.] - 2009.In: Acta Electrotechnica et Informatica. Roč. 9, č. 4 (2009), s. 55-60. - ISSN 1335-8243 Spôsob prístupu: <http://www.aei.tuke.sk>.

**Uplink modulation strategies in 4G wireless cellular systems** / Juraj Gazda ... [et al.] - 2010.In: Acta Electrotechnica et Informatica. Roč. 10, č. 1 (2010), s. 37-41. - ISSN 1335-8243 Spôsob prístupu: <http://www.aei.tuke.sk>.

**Optimization of 16-APSK by Maximizing Mutual Information Criteria in SC-FDMA Communication Systems** / Denis Dupák ... [et al.] - 2014.In: Acta Electrotechnica et Informatica. Roč. 14, č. 1 (2014), s. 3-8. - ISSN 1335-8243 Spôsob prístupu: [http://aei.tuke.sk/papers/2014/1/01\\_dupak\\_gazda.pdf](http://aei.tuke.sk/papers/2014/1/01_dupak_gazda.pdf).

**Blockchain-based network function virtualization for 5G network slicing** / Taras Maksymyuk ... [et al.] - 2020.In: Acta Electrotechnica et Informatica. - Košice (Slovensko) : Fakulta elektrotechniky a informatiky Roč. 20, č. 4 (2020), s. 54-59 [print, online]. - ISSN 1335-8243 Spôsob prístupu: <https://doi.org/10.15546/aei-2020-0026>.

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#### **AED - Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách(2)**

**Three-dimensional OFDM in frequency-selective fading channel** / Ján Pastirčák ... [et al.] - 2012.In: Electrical Engineering and Informatics 3 : proceeding of the Faculty of Electrical Engineering and Informatics of the Technical University of Košice. - Košice : FEI TU, 2012 S. 465-470. - ISBN 978-80-553-0890-6

**Agentová implementácia trhov s frekvenčným spektrom v kognitívnych sieťach na báze modelu MASCEM** / Marcel Vološin, Juraj Gazda - 2016.In: Electrical Engineering and Informatics 7 : proceedings of the Faculty of Electrical Engineering and Informatics of the Technical University of Košice. - Košice : FEI TU, 2016 S. 26-30. - ISBN 978-80-553-2599-6

#### **- Publikované príspevky na zahraničných vedeckých konferenciách(33)**

**MC-CDMA performance analysis for different spreading codes at HPA Saleh model** / Peter Drotár ... [et al.] - 2008.In: Radioelektronika 2008. - Praha : Czechoslovakia Section IEEE, 2008 4 p. - ISBN 9781424420889

**Simple iterative cancellation of nonlinear distortion in LFDMA systems** / Juraj Gazda ... [et al.] - 2009.In: 14th International OFDM-Workshop. - S.l. : s.n., 2009 P. 1-5.

**Receivers for spatially multiplexed MIMO transmission systems** / Peter Drotár ... [et al.] - 2009.In: RTT 2009. - Praha : ČVUT, 2009 P. 1-4. - ISBN 9788001044117

**Refined iterative detection of coded SC-FDMA based transmission systems** / Juraj Gazda ... [et al.] - 2010. - 1 elektronický optický disk (CD-ROM).In: Radioelektronika 2010 : proceedings of 20th international conference : April 19-21, 2010, Brno, Czech Republic. - Brno : Brno University of Technology, 2010 P. 1-4. - ISBN 978-1-4244-6320-6

**Receiver based compensation of nonlinear distortion in MIMO-OFDM** / Peter Drotár ... [et al.] - 2010. - 1 elektronický optický disk (CD-ROM).In: RF Front-ends for Software Defined and Cognitive Radio Solutions : IEEE International Microwave Workshop Series : Aveiro, Portugal, February 22-23, 2010. - Aveiro : IEEE, 2010 P. 1-4. - ISBN 978-1-4244-5752-6

**M-APSK Modulation for SC-FDMA Communication Systems** / Juraj Gazda, Denis Dupák, Dušan Kocur - 2011. - 1 elektronický optický disk (CD-ROM).In: Radioelektronika 2011 : proceedings of 21th

international conference : April 19-20, 2011, Brno, Czech Republic. - Brno : Brno University of Technology, 2011 P. 129-132. - ISBN 978-1-61284-322-3

**Tone Reservation for SFBC-OFDM transmission systems using null subcarriers** / Juraj Gazda ... [et al.] - 2011.In: SIU 2011 : the 19th IEEE Conference on Signal Processing and Communications Applications : 20-22 April 2011, Kemer, Antalya. - Kemer : IEEE, 2011 P. 1208-1211.

**Performance evaluation of M-APSK modulation in the LTE uplink** / Juraj Gazda, Denis Dupák, Dušan Kocur - 2011. - 1 elektronický optický disk (CD-ROM).In: InOWo'11 : 16th International OFDM-Workshop 2011 : proceedings : Hamburg, August 31st - September 1st, 2011. - Hamburg : University of Technology, 2011 P. 1-5.

**Iterative Compensation of Baseband Clipping in SMT Transceivers** / Zsolt Kollár ... [et al.] - 2012. - 1 elektronický optický disk (CD-ROM).In: Radioelektronika 2012 : Proceedings of 22nd International Conference : April 17-18, 2012, Brno, Czech Republic. - Brno : Brno University of Technology, 2012 P. 1-4. - ISBN 978-80-214-4469-0

**Optimization of 16-APSK modulation for SC-FDMA transmission system** / Denis Dupák, Dušan Kocur, Juraj Gazda - 2013.In: Marew 2013 : Microwave and Radio Electronics Week 2013 : Proceedings of the 23th International Conference Radioelektronika 2013 : Pardubice, Czech Republic, April, 16 - 17, 2013. - Pardubice : University of Pardubice, 2013 P. 249-254. - ISBN 978-1-4673-5517-9

**Kognitívne rádiové siete - základné pojmy a prístupy** / Viliam Kováč ... [et al.] - 2014.In: Quaere 2014 : Recenzovaný zborník príspevků vědecké interdisciplinární mezinárodní vědecké konference doktorandů a odborných asistentů : vol. 4 : 26. - 30. května 2014, Hradec Králové, Česká republika. - Hradec Králové : Magnanimitas, 2014 P. 390-397. - ISBN 978-80-87952-04-7

**A Survey on the Spectrum Trading in Dynamic Spectrum Access Networks** / Ján Pastirčák, Juraj Gazda, Dušan Kocur - 2014.In: Proceedings of ELMAR-2014 : 56th International Symposium : 10. - 12. September 2014, Zadar, Croatia. - Zagreb, Croatia : Faculty of Electrical Engineering and Computing, University of Zagreb, 2014 P. 131-134. - ISBN 978-953-184-199-3 - ISSN 1334-2630

**An Agent-based Model of the Risk-based Spectrum Auction in the Cognitive Radio Networks** / Ján Pastirčák ... [et al.] - 2014.In: 5GU 2014 : 1st International Conference on 5G for Ubiquitous Connectivity : Levi, Finland, November 26-27, 2014. - Gent : ICST, 2014 P. 23-28. - ISBN 978-1-63190-055-6

**Cooperative spectrum sensing schemes for cognitive radios using dynamic spectrum auctions** / Lukáš Sendrei ... [et al.] - 2015.In: TSP 2015. - Praha : IEEE, 2015 P. 159-162. - ISBN 978-1-4799-8497-8

**The taxation of real-time spectrum secondary markets in cognitive radio networks** / Peter Tóth ... [et al.] - 2015.In: CTTE 2015. - München : Technische Universität, 2015 P. 1-2. - ISBN 978-1-4799-8238-7

**Two-step feature selection methods for selection of very few features** / Peter Drotár, Juraj Gazda - 2016.In: ISCM 2016. - Danvers : IEEE, 2017 P. 179-183. - ISBN 978-1-5090-3696-7

**The economy model of the multi-homing based dynamic spectrum access networks** / Eugen Šlapak ... [et al.] - 2017.In: AICT-2017. - Lviv : IEEE, 2017 P. 174-178. - ISBN 978-1-5386-0635-3

**Spatial real-time price competition in the dynamic spectrum access markets** / Marcel Vološin ... [et al.] - 2017.In: Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) volume 10207 : EUMAS 2016. - Cham : Springer, 2017 P. 217-229. - ISBN 978-3-319-59293-0 - ISSN 0302-9743

**Message hiding with pseudo-random binary sequence utilization** / Gabriel Bugár, Juraj Gazda, Dušan Levický - 2017.In: ICCTIM 2017. - Wilmington : SDIWC, 2017 P. 25-31. - ISBN 978-1-941968-46-8

**Heterogeneous ensemble feature selection based on weighted Borda count** / Peter Drotár, Matej Gazda, Juraj Gazda - 2017.In: ICITEE 2017. - Danvers : IEEE, 2017 P. 1-4. - ISBN 978-1-5090-6477-9

**The agent-based model of the dynamic spectrum access networks based on the bilateral bargaining** / Vološin Marcel, Eugen Šlapak, Juraj Gazda - 2017.In: Data a znalosti 2017. - Plzeň : Západočeská univerzita v Plzni, 2017 P. 181-186. - ISBN 978-80-261-0720-0

**Real-time spectrum secondary markets: Agent-based model of investment activities of heterogeneous operators** / Jana Zausinová, Juraj Gazda, Taras Maksymyuk - 2018.In: Radioelektronika 2018. - Danvers : IEEE, 2018 P. 1-6. - ISBN 978-1-5386-2485-2 Spôsob prístupu: <https://ieeexplore.ieee.org/abstract/document/8376407/>.

**Frequency spectrum distribution investments: Evidence from an agent-based experimental economy model** / Juraj Gazda ... [et al.] - 2018.In: TCSET'2018. - Danvers : IEEE, 2018 P. 1123-1126. - ISBN 978-1-5386-2556-9 Spôsob prístupu: <https://ieeexplore.ieee.org/abstract/document/8336391/>.

**A Novel Reversible Censorship Algorithm** / Martin Dziak ... [et al.] - 2018.In: Proceedings ELMAR-2018 : 60th International Symposium ELMAR-2018. - Zagreb (Chorvátsko) : Sveučilište u Zagrebu, 2018 s. 91-96. - ISBN 978-953-184-244-0 - ISSN 1334-2630 Spôsob prístupu: <https://ieeexplore.ieee.org/document/8534663>.

**Novel M-Sequence UWB Sensor for Ground Penetrating Radar Application** / Pavol Galajda ... [et al.] - 2018.In: Asia-Pacific Conference on Antennas and Propagation. - Danvers (USA) : Institute of Electrical and Electronics Engineers s. 120-121 [online]. - ISBN 978-1-5386-5649-5

**Financial Implications of Femtocell Deployment** / Jana Zausinová ... [et al.] - 2018.In: 4th International Conference on Communication Technology. - Londýn (Veľká Británia) : EDP Sciences - Web of Conferences, 2018 s. 1-5 [online]. Spôsob prístupu: [https://www.matec-conferences.org/articles/matecconf/abs/2018/86/matecconf\\_icct2018\\_03006/matecconf\\_icct2018\\_03006.html](https://www.matec-conferences.org/articles/matecconf/abs/2018/86/matecconf_icct2018_03006/matecconf_icct2018_03006.html).

**Deep learning based massive MIMO beamforming for 5G mobile network** / Taras Maksymyuk ... [et al.] - 2018.In: Wireless Systems within the International Conferences on Intelligent Data Acquisition and Advanced Computing Systems : Proceedings of the 2018 IEEE 4th International Symposium. - L'viv (Ukrajina) : Institute of Electrical and Electronics Engineers s. 1-4 [online]. - ISBN 978-1-5386-7587-8

**Inteligentná optimalizácia pokrytia a efektívnosti heterogénnych sietí využitím strojového učenia bez učiteľa** / Eugen Šlapak, Marcel Vološin, Juraj Gazda - 2018.In: Data a Znalosti & WIKT 2018 : sborník konferencie. - Brno (Česko) : Vysoké učení technické v Brně s. 225-230 [online]. - ISBN 978-80-214-5679-2

**HetNet spatial topology design using mini-batch k-means clustering** / Eugen Šlapak ... [et al.] - 2019.In: The Experience of Designing and Application of CAD Systems. - Lviv (Ukrajina) : Lviv Polytechnic National University s. 28-31 [online]. - ISBN 978-1-7281-0053-1 - ISSN 2572-7583 Spôsob prístupu:

**An Agent-Based Model of Adaptive Pricing in HetNets** / Jana Zausinová, Martin Zoričák, Vladimír Gazda, Gabriel Bugár, Juraj Gazda - 2019.In: 2019 3rd International Conference on Advanced Information and Communications Technologies, AICT 2019 - Proceedings. - Danvers (USA) : Institute of Electrical and Electronics Engineers s. 31-35. - ISBN 9781728123998

**Blockchain-based intelligent network management for 5g and beyond** / Taras Maksymyuk ... [et al.] - 2019.In: 2019 3rd International Conference on Advanced Information and Communications Technologies,

AICT 2019 - Proceedings. - Danvers (USA) : Institute of Electrical and Electronics Engineers s. 36-39 . - ISBN 9781728123998

**Review of cellular radio network cell placement design, from traditional to artificial intelligence based approaches** / Eugen Šlapak ... [et al.] - 2019.In: Proceedings ELMAR-2019 : 61st International symposium. Zadar, Croatia. September 23-25, 2019. - Zagreb (Chorvátsko) : Sveučilište u Zagrebu s. 93-96 . - ISBN 978-1-7281-2182-6 - ISSN 1334-2630

**Deep Learning based Mobile Network Management for 5G and Beyond** / Taras Maksymyuk ... [et al.] - 2020.In: IEEE 15th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering. - New York (USA) : Institute of Electrical and Electronics Engineers s. 890-893 [online, USB-key]. - ISBN 978-1-7281-5567-8

#### **AFD - Publikované príspevky na domácich vedeckých konferenciách(13)**

**Multi-user receivers for MCCDMA transmission systems** / Peter Drotár, Juraj Gazda, Votech Zvada - 2006.In: 6th PhD Student Conference and Scientific and Technical Competition of Students of Faculty of Electrical Engineering and Informatics Technical University of Košice. - Košice : Elfa, 2006 P. 155-156. - ISBN 8080860351

**Effects of spreading codes and convolution coding on the performance of MC-CDMA system with nonlinear model of HPA** / Juraj Gazda, Peter Drotár - 2008.In: SCYR 2008. - Košice : FEI TU, 2008 S. 129-132. - ISBN 9788055300368

**On MC-CDMA transmission system performance at nonlinear high power amplifier of transmitter over frequency selective fading channel** / Juraj Gazda ... [et al.] - 2009.In: Radioelektronika 2009. - Brno : Brno University of Technology, 2009 S. 35-38. - ISBN 9781424435364 Spôsob prístupu: <http://www.radioelektronika.cz>.

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## **Prehľad prednášok a prednáškových pobytov v zahraničí**

1. *King's College London (Veľká Británia, 2019): Technológia blockchain a dynamická distribúcia frek. spektra v 5G, pozvanie: prof. Mischa Dohler*
2. *Aalto University (Fínsko, 2018): Techno-ekonomické charakteristiky 5G sietí, pozvanie: prof. Heikki Hämmäinen*
3. *Lviv Polytechnic University (Ukrajina, 2018): Využitie umelej inteligencie v strojového učenia v 5G, pozvanie: dr. Taras Maksymyuk*

V Košiciach, 22.6.2021

v.z. prof. Ing. Alena Pietriková, CSc. v.r.  
prof. Ing. Liberios Vokorokos, PhD.  
dekan FEI TUKE