WYKAZ DOROBKU NAUKOWEGO PRACOWNIKÓW KATEDRY INŻYNIERII MIKROFALOWEJ I ANTENOWEJ W 2016r.

LIST OF SCIENTIFIC RESEARCH OF MICROCAL AND ANTENNA ENGINEERING DEPARTMENT EMPLOYEES IN 2016

Artykuły opublikowane w czasopismach z listy filadelfijskiej (Publications In Journals from Institute of Scientific Information Master Journal List):

1. Lamęcki A.: A Mesh Deformation Technique Based on Solid Mechanics for Parametric Analysis of High-Frequency Devices With 3-D FEM// IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES. -Vol. 64, iss. 11 (2016), s.3400-3408 JCR 139272

2. Leszczynska N., Couckuyt I., Dhaene T., Mrozowski M.: Low-Cost Surrogate Models for Microwave Filters// IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS. -Vol. 26, iss. 12 (2016), s.969-871 JCR 138646

3. Bekasiewicz A., Kozieł S., Zieniutycz W.: A structure and design optimization of novel compact microscrip dual-band rat-race coupler with enhanced bandwidth// MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. -Vol. 58, nr. 10 (2016), s.2287-2291 JCR 138601

4. Kusiek A., Lech R.: Resonance Frequency Calculation of a Multilayer and Multipatch Spherical Microstrip Structure Using a Hybrid Technique// IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. -Vol. 64, iss. 11 (2016), s.4948-4953 JCR 138461

5. Lech R., Kowalczyk P., Kusiek A.: Scattering From a Cylindrical Object of Arbitrary Cross Section With the Use of Field Matching Method// IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. -Vol. 64, iss. 11 (2016), s.4883-4887 JCR 138460

6. Leszczynska N., Lamęcki A., Mrozowski M.: Fast Full-Wave Multilevel Zero-Pole Optimization of Microwave Filters// IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS. -Vol. 26, iss. 11 (2016), s.867-869 JCR 138327

7. Fotyga G., Nyka K.: Efficient analysis of structures with rotatable elements using model order reduction// RADIOENGINEERING. -Vol. 25, nr. 1 (2016), s.73-80 JCR 138000

8. Rewieński M., Lamęcki A., Mrozowski M.: Greedy Multipoint Model-Order Reduction Technique for Fast Computation of Scattering Parameters of Electromagnetic Systems// IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES. -Vol. 64, iss. 6 (2016), s.1681-1693 JCR 137034

9. Rzymowski M., Woźnica P., Kulas Ł.: Single-Anchor Indoor Localization Using ESPAR Antenna// IEEE Antennas and Wireless Propagation Letters. -Vol. 15, (2016), s.1183-1186 JCR 134539

10. Kozieł S., Bekasiewicz A.: Scalability of surrogate-assisted multi-objective optimization of antenna structures exploiting variable-fidelity electromagnetic simulation models// ENGINEERING OPTIMIZATION. -Vol. 48, iss. 10 (2016), s.1778-1792 JCR 136918

Artykuły w pozostałych czasopismach (Other publications):

1. Dziekoński A., Lamęcki A., Mrozowski M.: Akceleracja metody elementów skończonych przy użyciu procesora graficznego// Przegląd Elektrotechniczny. -., nr. 9 (2016), s.12-15 AR 137542

2. Mariusz Deja, Włodzimierz Zieniutycz, Wewnętrzny system zapewnienia jakości kształcenia na wydziałach PG, Dzień Jakości PG [ISSN: 2353-8732], A 139441

Doniesienia konferencyjne (Conference papers):

1. Stefański T., Dziubak T., Orłowski S..: Parallel implementation of the DGF-FDTD method on GPU Using the CUDA technology, W: Parallel implementation of the DGF-FDTD method on GPU Using the CUDA technology, 2016, IEEE,. IND 140470

2. Lamęcki A., Balewski Ł., Mrozowski M..: Effect of mesh deformation on the accuracy of 3D FEM electromagnetic analysis, W: 2016 IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization (NEMO), 2016, ,.IND 140249

3. Rubia V., Lamęcki A., Mrozowski M..: Geometry Parametric Model Order Reduction with Randomly Generated Projection Bases, W: 2016 IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization (NEMO), 2016, 2016, IEEE,.IND 140248

4. Bekasiewicz A., Kozieł S., Zieniutycz W., Leifsson L..: Expedited Simulation-Driven Multi-Objective Design Optimization of Quasi-Isotropic Dielectric Resonator Antenna, W: Conference on Simulation-Driven Modeling and Optimization, 2016, Springer International Publishing Switzerland,.IND 138606

5. Bekasiewicz A., Kozieł S., Zieniutycz W..: On Design Optimization of Miniaturized Microscrip Dual-Band Rat-Race Coupler with Enhanced Bandwidth, W: 21st International Conference on Microwave, Radar and Wireless Communications (MIKON), 2016, IND 138604

6. Pergoł M., Zieniutycz W..: Modal Analysis of Planar Elliptical Resonator Deposited on Unshielded Dielectric Slab, W: 21st International Conference on Microwave, Radar and Wireless Communications (MIKON), 2016, IND 138603

7. Sorokosz Ł., Zieniutycz W..: Estimation of a single balun parameters on the base of back-to-back measurements, W: 21st International Conference on Microwave, Radar and Wireless Communications (MIKON), 2016, IND 138602

8. Rzymowski M., Duraj D., Kulas Ł., Nyka K., Woźnica P..: UHF ESPAR antenna for simple Angle of Arrival estimation in UHF RFID applications, W: 21st International Conference on Microwave, Radar and Wireless Communications (MIKON), 2016, IND 138564

9. Tarkowski M., Bizewski K., Rzymowski M., Nyka K., Kulas Ł..: Wireless multimodal localization sensor for industrial applications, W: 21st International Conference on Microwave, Radar and Wireless Communications (MIKON), 2016, IND 138563

10. Duraj D., Płotka M., Rzymowski M., Nyka K., Kulas Ł..: Measurement of distance, velocity and angle of arrival using FMCW-CW combined waveform, W: 21st International Conference on Microwave, Radar and Wireless Communications (MIKON), 2016, IND 138562

11. Fotyga G., Nyka K..: Wideband Model Order Reduction for Macromodels in Finite Element Method , W: Microwave, Radar and Wireless Communications (MIKON), 2016 21st International Conference on, 2016, IEEE, IND 138005

12. Fotyga G., Mrozowski M..: Macromodeling techniques for accelerated finite element analysis, W: IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization (NEMO), 2016, IEEE,. IND 138004

13. Dziekoński A., Lamęcki A., Mrozowski M..: GPU-accelerated finite element method, W: IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization (NEMO), 2016, IEEE,. IND 137541

14. Leszczynska N., Ulaganathan S., Lamęcki A., Dhaene T., Mrozowski M..: Kriging Models for Microwave Filters, W: Numerical Electromagnetic and Multiphysics Modeling and Optimization (NEMO), 2016 IEEE MTT-S International Conference on, 2016, IEEE,. IND 137418

15. Leszczynska N., Klinkosz M., Mrozowski M..: Substrate-integrated waveguide (SIW) filter design using space mapping, W: Microwave, Radar and Wireless Communications (MIKON), 2016 21st International Conference on, 2016, IND 137264

16.Kusiek A., Marynowski W., Mazur J..: Nonreciprocal properties of elliptical ferrite coupled line junction, W: 2016 21st International Conference on Microwave, Radar and Wireless Communications (MIKON), 2016, AGH University of Science and Technology, IND 136744

17. Kowalczyk P..: Efficient Complex Root Finding Algorithm for Microwave and Optical Propagation Problems, W: 21st International Conference on Microwave, Radar and Wireless Communications (MIKON), 2016, ,. IND 136729

18. Marynowski W., Kusiek A., Lech R., Mazur J..: Shielded coupled strip and slot guides with a thin omega pseudochiral medium layer, W: 2016 21st International Conference on Microwave, Radar and Wireless Communications (MIKON), 2016, IND 136679

19. Lech R., Kusiek A..: Resonant Frequencies in the Open Microstrip Structures Placed on Curved Surfaces, W: 2016 21st International Conference on Microwave, Radar and Wireless Communications (MIKON), 2016, ,.IND 136678

20. Lech R., Kusiek A., Marynowski W., Mazur J..: Resonant Frequencies in Microstrip Structure with Omega Medium Substrate, W: 2016 21st International Conference on Microwave, Radar and Wireless Communications (MIKON), 2016, ,. IND 136677

21. Wojciech Marynowski, Piotr Kowalczyk, Innovative Root Finding and Tracing Algorithms in Complex Domain for Treatment of Lossy Transmission Lines, International Symposium on Antennas and Propagation (ISAP2016), Japonia, K 138477

22. Adam Kusiek, Wojciech Marynowski, Jerzy Mazur, Approximate Field Continuity Conditions for Thin Anisotropic Conductive Layer, International Symposium on Antennas and Propagation (ISAP2016), Japonia, K 138476

23. Adam Kusiek, Rafał Lech, Resonance Frequency Calculation of Microstrip Structure Located on Cylindrical Surface Using Hybrid Technique, International Symposium on Antennas and Propagation (ISAP2016), Japonia, K 138475

24. Rafał Lech, Plane Wave Scattering from Omega-medium Cylindrical Objects of Arbitrary Cross-section, International Symposium on Antennas and Propagation (ISAP2016), Japonia, K 138474

25. Natalia Leszczynska, Selvakumar Ulaganathan, Adam Lamęcki, Tom Dhaene, Michał Mrozowski, Kriging Surrogate Models For Zero-Pole Optimization of Microwave Filters, Eccomas 2016 Proceedings K 137265