WYKAZ DOROBKU NAUKOWEGO PRACOWNIKÓW KATEDRY INŻYNIERII MIKROFALOWEJ I ANTENOWEJ W 2013r.

LIST OF SCIENTIFIC RESEARCH OF MICROCAL AND ANTENNA ENGINEERING DEPARTMENT EMPLOYEES IN 2013

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

1. Stefański T.: Hybrid Technique Combining the FDTD Method and Its Convolution Formulation Based on the Discrete Green's Function// IEEE Antennas and Wireless Propagation Letters. -Vol. 12., (2013), s.1448-1451 JCR 126482

2. Li H., Mironowicz P., Pawłowski M., Yin Z., Wu Y., Wang S., Chen W., Hu H., Guo G., Han Z.: Relationship between semi- and fully-device-independent protocols // PHYSICAL REVIEW A. -Vol. 87., iss. 2 (2013), s.1-4 JCR 124964

3. Szydłowski Ł., Lamęcki A., Mrozowski M.: A Novel Coupling Matrix Synthesis Technique for Generalized Chebyshev Filters With Resonant Source–Load Connection// IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES. -., (2013), s.1-10 JCR 124663

4. Szydłowski Ł., Leszczynska N., Mrozowski M.: Generalized Chebyshev Bandpass Filters With Frequency-Dependent Couplings Based on Stubs// IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES. -Vol. 61., iss. 10 (2013), s.3601-3612 JCR 124472

5. Szydłowski Ł., Jędrzejewski A., Mrozowski M.: A Trisection Filter Design With Negative Slope of Frequency-Dependent Crosscoupling Implemented in Substrate Integrated Waveguide (SIW)// IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS. -Vol. 23., iss. 9 (2013), s.456-458 JCR 124377

6. Stefański T.: Electromagnetic Problems Requiring High-Precision Computations// IEEE ANTENNAS AND PROPAGATION MAGAZINE. -Vol. 55., nr. 2 (2013), s.344-353 JCR 123849

7. Stefański T.: Discrete Green's function approach to disjoint domain simulations in 3D FDTD method// ELECTRONICS LETTERS. -Vol. 49., iss. 9 (2013), s.597-598 JCR 123847

8. Rewieński M., Lamęcki A., Mrozowski M.: An extended basis inexact shift–invert Lanczos for the efficient solution of large-scale generalized eigenproblems// COMPUTER PHYSICS COMMUNICATIONS. -Vol. 184., iss. 9 (2013), s.2127-2135 JCR 123813

9. Dziekoński A., Sypek P., Lamęcki A., Mrozowski M.: Generation of large finite-element matrices on multiple graphics processors// INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING. -Vol. 94., iss. 2 (2013), s.204-220 JCR 123655

10. Leszczynska N., Szydłowski Ł., Mrozowski M.: A Novel Synthesis Technique for Microwave Bandpass Filters with Frequency-Dependent Couplings// Progress in Electromagnetics Research-PIER. -Vol. 137., (2013), s.35-50 JCR 96693

11. Stefański T.: Accuracy of the Discrete Green's Function Formulation of the FDTD Method// IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. -Vol. 61., nr. 2 (2013), s.829-835 JCR 96492

12. Kusiek A., Lech R., Mazur J.: Hybrid technique for the analysis of scattering from periodic structures composed of irregular objects// Progress in Electromagnetics Research-PIER. -Vol. 135., (2013), s.657-675 JCR 94810

Artykuły w pozostałych czasopismach (Other publications):

1. Rzymowski M., Bizewski K., Woźnica P.: Simple and low-cost wireless voting system// ZESZYTY NAUKOWE WYDZIAŁU ELEKTRONIKI, TELEKOMUNIKACJI I INFORMATYKI POLITECHNIKI GDAŃSKIEJ. -Vol. 20., (2013), s.65-71 AR 124401

2. Stefański T.: Applications of the discrete green's function in the finite-difference time-domain method// Progress in Electromagnetics Research-PIER. -Vol. 139., (2013), s.479-498, AR 123850

3. Lech R., Marynowski W., Kusiek A.: FINITE GROUND CPW-FED UWB ANTENNA OVER THE METALLIC CYLINDRICAL SURFACES// Progress in Electromagnetics Research-PIER. -Vol. 140., (2013), s.545-562, AR 123816

4. Fotyga G., Nyka K., Mrozowski M.: Multilevel model order reduction with generalized compression of boundaries for 3-d FEM electromagnetic analysis// Progress in Electromagnetics Research-PIER. -Vol. 139., (2013), s.743-759, AR 123740

5. Sorokosz Ł., Dutkiewicz M., Zieniutycz W.: Szyk planarny anten mikropasokwych z przeznaczeniem do radaru dopplerowskiego// Elektronika : konstrukcje, technologie, zastosowania. -., nr. 3 (2013), s.45-48, AR 123526

6. Stefański T.: Implementation of FDTD-compatible Green's function on heterogeneous CPU-GPU parallel processing system// Progress in Electromagnetics Research-PIER. -Vol. 135., iss. 1 (2013), s.297-316, AR 96597

Doniesienia konferencyjne (Conference papers):

1. Bekasiewicz A., Kurgan P.: A CMRC-based compact rat-race coupler with harmonic suppression// ICT Young 2013 : III Konferencja, Studentów i Doktorantów Elektroniki, Telekomunikacji, Informotyki, Automatyki i Robotyki/ ed. Piotr Skorowski, Mateusz Zabolski Gdańsk: , 2013, s.17-22 ZR 127892

2. Lech R., Marynowski W., Kusiek A.: UWB Microstrip Antennas on a Cylindrical Surfaces// The 33rd Progress In Electromagnetics Research Symposium/ Tajpej, Tajwan: Progress In Electromagnetics Research Symposium, 2013, s.496-496 ZR 126451

3. Rzymowski M., Woźnica P., Kulas Ł.: Verification of ESPAR Antennas Performance in the Simple and Calibration Free Localization System// 2013 International Conference on Indoor Positioning and Indoor Navigation, 28-31st October 2013/ : , 2013, ZR 125313

4. Woźnica P., Kulas Ł.: Influence of a Radio Frequency on RF Fingerprinting Accuracy Based on Ray Tracing Simulation// EuroCon 2013/ : , 2013, s.1-5 ZR 124367

5. Rzymowski M., Kulas Ł.: Design, Realization and Measurements of Enhanced Performance 2.4 GHz ESPAR Antenna for Localization in Wireless Sensor Networks// / : , 2013, s.207-211 ZR 124365

6. Stefański T.: Windowing of the Discrete Green's Function for Accurate FDTD Computations// Progress In Electromagnetics Research Symposium Proceedings/ Cambridge, MA, USA: The Electromagnetics Academy, 2013, s.155-159, ZR 126483

7. Wojciech Marynowski, Adam Kusiek, Mateusz Mazur:Influence of Probe Positioning Precision in Near Field Antenna Measurement System on Far Field Calculation, The 33rd Progress In Electromagnetics Research Symposium, 25-28 mrzec, 2013 K 126515

8. Wojciech Marynowski, Adam Kusiek, Jerzy Mazur Planar Four-port Circulator Using Single Longitudinally Magnetized Ferrite Coupled Line Junction, The 33rd Progress In Electromagnetics Research Symposium, 25-28 mrzec, 2013 K 126514

9. Wojciech Marynowski, Piotr Kowalczyk, Analysis of Magnetic Losses in Ferrite Coupled Lines Using SDA and Hybrid Root Finding Algorithm, The 33rd Progress In Electromagnetics Research Symposium, 25-28 mrzec2013, K 126500

10. Wojciech Marynowski, Adam Kusiek, Jerzy Mazur, Nonreciprocal Devices Using Longitudinally Magnetized Left Handed Ferrite Coupled Line Junction, The 34rth Progress In Electromagnetics Research Symposium, 12-15 sierpnia 2013, Sztokholm, K 126499

11. Adam Kusiek, Wojciech Marynowski, Jerzy Mazur, Nonreciprocal Properties of Cylindrical Junction Loaded with Axially-symmetrical Ferrite Post, The 34rth Progress In Electromagnetics Research Symposium, 12-15 sierpnia 2013, Sztokholm, K 126467

12. Adam Kusiek, Wojciech Marynowski, Jerzy Mazur , Study of Longitudinally Magnetized Left-handed Cylindrical Ferrite Coupled Line Junction, The 34rth Progress In Electromagnetics Research Symposium, 12-15 sierpnia 2013, Sztokholm, K 126466

13. Adam Kusiek, Rafał Lech, Jerzy Mazur, Investigations of Plane Wave Scattering on Ferrite Posts Configurations Using Hybrid Technique, The 33rd Progress In Electromagnetics Research Symposium, 25-28 mrzec 2013, K 126450

14. Rafał Lech, Wojciech Marynowski, Adam Kusiek, Cheap UWB Coplanar Line Fed Antennas on Electrically Conductive Adhesive Tape, The 34rth Progress In Electromagnetics Research Symposium, 12-15 sierpnia 2013, Sztokholm, K 126449

15. Rafał Lech, Wojciech Marynowski, Adam Kusiek, UWB Coplanar Line Fed Antennas on the Conducting Planar and Cylindrical Surfaces, The 34rth Progress In Electromagnetics Research Symposium, 12-15 sierpnia 2013, Sztokholm, K 126448

16. Rafał Lech, Wojciech Marynowski, Adam Kusiek, Microstrip Antennas on a Cylindrical Surfaces, The 34rth Progress In Electromagnetics Research Symposium, 12-15 sierpnia 2013, Sztokholm, K 126447

17. Sorokosz Ł., Zieniutycz W.: STANOWISKO DO BADAŃ CHARAKTERYSTYK PROMIENIOWANIA ANTEN W POLITECHNICE GDAŃSKIEJ// W:6 Konferencja : Urządzenia i Systemy Radioelektroniczne UiSR'2013. Warszawa (2013), s.1-11, ER 127024

18. Pergoł M., Zieniutycz W.: Application of Illuminating Modes concept in modal expansion of elliptical resonator// W:Proceedings 2013 International Conference on Electromagnetics in Advanced Applications (ICEAA). turyn (2013), s.1-4, ER 126958

19. Adam Dziekoński, Adam Lamęcki, Michał Mrozowski, Hybrid GPU-CPU Multilevel Preconditioner for Solving Large Systems of FEM Equations, GPU Technology Conference 2013, PR 126925

20. Acceleration of Finite-Element Matrix-Generation on Single and Multiple GPUs, PR 126923