

## **Publikacje za 2015 rok:**

### **1. L. K. Bieniasz**

“Modelling of Electroanalytical Experiments by the Integral Equation Method”, Springer, Berlin, monografia zagraniczna (406 stron), 2015

### **2. M. Baran, L. K. Bieniasz**

“Experiments with an Adaptive Multicut-HDMR Map Generation for Slowly Varying Continuous Multivariate Functions” Appl. Math. Comput. 258, 206 – 219, 2015

### **3. L. K. Bieniasz**

“Theory of Potential Step Chronoamperometry at a Microband Electrode: Complete Explicit Semi-Analytical Formulae for the Faradaic Current Density and the Faradaic Current”, Electrochim. Acta 178, 25 – 33, 2015

### **4. N. Jha, L. K. Bieniasz**

“A Fifth (Six) Order Accurate, Three-Point Compact Finite Difference Scheme for the Numerical Solution of Sixth Order Boundary Value Problems on Geometric Meshes” J. Sci. Comput. 64, 893 – 913, 2015

### **5. P. Pławiak, K. Rzecki**

„ Approximation of Phenol Concentration Using Computational Intelligence Methods Based on Signals From the Metal-Oxide Sensor Array”, 3/2015, IEEE Sensors Journal 15(3), 1770-1783, 2015

### **6. T. Wójtowicz, K. Rzecki, P. Pławiak, M. Niedźwiecki, T. Sońnicki, T. Wojtoń, K. Smelcerz, Z. Tabor**

„ The Dynamics of the Distribution of Co-Authors”, Politechnika Krakowska, Czasopismo Techniczne 1-NP(19), ISSN: 0011-4561, 85 – 105, 2015

### **7. T. Wójtowicz, K. Rzecki, P. Pławiak, M. Niedźwiecki, T. Sońnicki, K. Smelcerz, T. Wojtoń, Z. Tabor**

„ Emergence of cooperation as a result of mutation and inheritance in PD/PG-like game”, Politechnika Krakowska; Czasopismo Techniczne 1-NP.(19) ISSN: 0011-4561, 71 - 85, 2015

### **8. W. Wojciechowski, A. Molka, Z. Tabor**

„ Automated measurement of parameters related to the deformities of lower limbs based on X-rays images”, Computers in Biology and Medicine, 70, 1-11

### **9. K. Czaplicka, W. Wojciechowski, J. Włodarczyk, A. Urbanik, Z. Tabor**

„ Automated assessment of synovitis in 0.2 Tesla magnetic resonance images of wrist”, Computers in Biology and Medicine, 67, 116-125, 2015

### **10. J. Włodarczyk, W. Wojciechowski, K. Czaplicka, A. Urbanik, Z. Tabor**

„ Fast automated segmentation of wrist bones in magnetic resonance images”, Computers in Biology and Medicine 65, 44-53, 2015

11. M. Dohnalik, S. Kowalska, Z. Mikołajewski, A. Domonik, **Z. Tabor**

„Mineral composition of shales and the results of triaxial compression tests – a case study from the Ordovician and Silurian rocks of Poland, Nafta-Gaz 2015 June: 355-360

12. **Z.Tabor**

„ An analytical solution to the problem of linear track segment reconstruction in drift tube chambers”, Nuclear Inst. and Methods in Physics Research A,788, 106–110, 2015

13. J. Włodarczyk, K. Czaplicka, **Z. Tabor**, W. Wojciechowski, A. Urbanik

” Segmentation of Bones in Magnetic Resonance Images of the Wrist”, International Journal of Computer Assisted Radiology and Surgery 10, 419-43, 2015

14. A.Kierklo, **Z.Tabor**, M.Pawińska, M.Jaworska

„ A microCT-based comparison of root canal filling quality following different instrumentation and obturation techniques”, Medical Principles and Practice, 24, 84-91, 2015

15. **J. Chwastowski**, Adamczyk, L.; Adkins, J. K.; Agakishiev, G.; et al.

Group Author(s): STAR Collaboration

„Precision Measurement of the Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in Polarized Proton Collisions at  $\sqrt{s}=200$  GeV”,

PHYSICAL REVIEW LETTERS Volume: 115 Issue: 9 Article Number: 092002 Published: AUG 26 2015

16. **J. Chwastowski**; Adamczyk, L.; Adkins, J. K.; Agakishiev, G.; et al.

Group Author(s): Star Collaboration

„Suppression of Upsilon production in d + Au and Au + Au collisions at  $\sqrt{s(NN)} = 200$  GeV (vol 735, pg 127, 2014)”,PHYSICS LETTERS B Volume: 743 Pages: 537-

541 Published: APR 9 2015

17. **J. Chwastowski**; Adamczyk, L.; Adkins, J. K.; Agakishiev, G.; et al.

Group Author(s): STAR Collaboration

„Lambda Lambda Correlation Function in Au plus Au Collisions at  $\sqrt{s(NN)}=200$  GeV”,

PHYSICAL REVIEW LETTERS Volume: 114 Issue: 2 Article Number: 022301 Published: JAN 12 2015

18. **J. Chwastowski**, Cyz, Antoni; Fulek, Lukasz; et al.

„Feasibility studies of exclusive diffractive bremsstrahlung measurement at rhic energies”,

CTA PHYSICA POLONICA B Volume: 46 Issue: 10 Pages: 1979-1990 Published: OCT 2015

19. **J. Chwastowski**, Cyz, Antoni; Fulek, Lukasz; et al

„Feasibility Studies of the Exclusive Diffractive Bremsstrahlung Measurement at RHIC Energies”, Edited by: Romaniuk, RS, Conference: Conference on Photonics Applications in Astronomy, Communications, Industry, and High-Energy Physics Experiments Location: Wilga, POLAND Date: MAY 25-31, 2015

Sponsor(s): Warsaw Univ Technol, Fac Elect & Informat Technologies, Inst Elect Syst; Photon Soc Poland; SPIE Europe; Polish Acad Sci, Comm Elect & Telecommunicat; Enhanced European Coordinat Accelerator R & D; IEEE Poland Sect; Assoc Polish Elect Engineers, Polish Comm Optoelectron; EuroFus Collaborat; EuroFus Poland  
PHOTONICS APPLICATIONS IN ASTRONOMY, COMMUNICATIONS, INDUSTRY, AND HIGH-ENERGY PHYSICS EXPERIMENTS 2015 Book Series: Proceedings of SPIE Volume: 9662 Article Number: 96622R Published: 2015

20. Krasny, M. W.; **Chwastowski, J.**; Cyz, A.; et al

„On Precision Measurement of the LHC Absolute Luminosity”, Edited by: Romaniuk, RS, Conference: Conference on Photonics Applications in Astronomy, Communications, Industry, and High-Energy Physics Experiments Location: Wilga, POLAND Date: MAY 26-JUN 01, 2014

Sponsor(s): Warsaw Univ Technol, Fac Elect & Informat Technologies, Inst Elect Syst; Photonics Soc Poland; SPIE; Polish Acad Sci, Comm Elect & Telecommunicat; Enhanced European Coordinat Accelerator R & D; IEEE Poland Sect; SEP, Polish Comm Optoelectron; EuroFus Collaborat; EuroFus Poland  
PHOTONICS APPLICATIONS IN ASTRONOMY, COMMUNICATIONS, INDUSTRY, AND HIGH-ENERGY PHYSICS EXPERIMENTS 2014 Book Series: Proceedings of SPIE Volume: 9290 Article Number: 92902E Published: 2015

21. **Mateusz Baran**, Krzysztof Kluza, Grzegorz J Nalepa, Antoni Ligęza

„A multi-level hierarchical approach for configuring business processes”, w monografii Advances in ICT for Business, Industry and Public Sector, strony 1-18, 2015

22. **Dariusz Żelasko**, Krzysztof Cetnarowicz, Krzysztof Wajda

„Koncepcja trasowania ze zmiennym kosztem dla sieci o sterowaniu rozproszonym”, Przegląd Telekomunikacyjny, Wiadomości Telekomunikacyjne., 8-9, 724-729, 2015

23. Jan Garus, **Tomasz Gąciarz**

"Optical Flow Methods Comparison for Video FPS Increase",  
Man–Machine Interactions 4, Editors: Gruca, A., Brachman, A.,  
Czachórski, T., Kozielski, str. 342, ISBN 978-3-319-23437-3, 2015, Springer  
4th International Conference on Man–Machine Interactions, ICMMI 2015  
Kocierz Pass, Poland, October 6–9, 2015