

Janusz Jezewski, Janusz Wrobel, Adam Matonia, Krzysztof Horoba, Radek Martinek, Tomasz Kupka, Michał Jezewski: „Is abdominal fetal electrocardiography an alternative to Doppler ultrasound for FHR variability evaluation?”, Frontiers in Physiology, 2017, Vol. 8, Article 305. Citation: (2017) Front. Physiol. 8:305, doi: 10.3389/fphys.2017.00305.

Shuai Liu, Witold Pedrycz, Adam Gacek, Yaping Dai, "A two-phase method of forming granular representation of signals", Signal Processing, 2017, 141, 1-15.

Ewelina Sobotnicka, Aleksander Sobotnicki, Janusz Jeżewski: „gaussian pyramid reduction method for the extraction of pathological structures of the aorta”, Journal of Medical Informatics and Technologies, 2017, Vol. 26, 9-16.

Radek Martinek, Radana Kahankova, Homer Nazeran, Jaromir Konecny, Janusz Jezewski, Petr Janku, Petr Bilik, Jan Zidek, Jan Nedoma, Marcel Fajkus: “Non-invasive Fetal Monitoring: A Maternal Surface ECG Electrode Placement-based Novel Approach for Optimization of Adaptive Filter Control Parameters Using the LMS and RLS Algorithms” Sensors, 2017, 17, 1154; doi:10.3390/s17051154.

Radana Kahankova, Janusz Jezewski, Jan Nedoma, Michał Jezewski, Marcel Fajkus, Aleksandra Kawala-Janik, He Wen, Radek Martinek: “The Influence of Gestation Age on the Performance of Adaptive Algorithms Used for Fetal ECG Signal Extraction”, Advances in Electrical and Electronic Engineering, 2017, Vol. 15(3), 491-501.

Radana Kahankova, Rene Jaros, Radek Martinek, Janusz Jezewski, He Wen, Michał Jezewski, Aleksandra Kawala-Janik: „Non-Adaptive Methods of Fetal ECG Signal Processing”, Advances in Electrical and Electronic Engineering, 2017, Vol. 15(3), 476-490.

Adam Matonia, Tomasz Kupka, Janusz Jeżewski: „Nowe możliwości monitorowania ciąży przy użyciu przyjaznej elektrokardiografii płodowej”, Ogólnopolski Przegląd Medyczny, 2017, 3, 44-52.

Dawid Roj, Janusz Wrobel, Adam Matonia, Ewelina Sobotnicka: "Hardware design issues and functional requirements for smart wristband monitor of silent atrial fibrillation", Proc. of 24th International Conference on Mixed Design of Integrated Circuits and Systems MIXDES'2017, Bydgoszcz, 22-24 June, 596-600.

Dawid Roj, Janusz Wrobel, Adam Matonia, Krzysztof Horoba, Norbert Henzel: „Control and signal processing software embedded in smart wristband monitor of silent atrial fibrillation”, Proc. of 24th International Conference on Mixed Design of Integrated Circuits and Systems MIXDES'2017, Bydgoszcz, 22-24 June, 585-590.

Norbert Henzel, Janusz Wrobel, Krzysztof Horoba: "Atrial Fibrillation Episodes Detection Based on Classification of Heart Rate Derived Features", Proc. of 24th International Conference on Mixed Design of Integrated Circuits and Systems MIXDES'2017, Bydgoszcz, 22-24 June, 571-576.

Norbert Henzel: "QRS Complex Detection Based on Ensemble Empirical Mode Decomposition", Innovations in Biomedical Engineering, M. Gzik et al. (eds.), Advances in Intelligent Systems and Computing, 526, 286-293.

Tomasz Pander, Janusz Wrobel: "OWA aggregation operator in robust filtering", Proc. of 24th International Conference on Mixed Design of Integrated Circuits and Systems MIXDES'2017, Bydgoszcz, 22-24 June, 532-536.

Barbara Szuster, Zbigniew Szczurek, Dawid Roj, Aleksander Sobotnicki, Paweł Kowalski: „Bioimpedance spectroscopy monitoring – designing challenges and description of the acquired results”, Proc. of 24th International Conference on Mixed Design of Integrated Circuits and Systems MIXDES'2017, Bydgoszcz, 22-24 June, 577-580.

Jan Mocha, Dariusz Wójcik, Maciej Surma: "Immunity of Medical Electrical Equipment to Radiated RF Disturbances", Materiały IX Konferencji Urządzenia i Systemy Radioelektroniczne, UISR'2017, Jachranka, 14-16 listopada 2017, 1-12.

Dariusz Wójcik, Maciej Surma, Mirosław Magnuski, Artur Noga, Jan Mocha: „Experimental Verification of Susceptibility to EMI of Operational Amplifiers”, Proceedings of the XXIV International Conference on Electromagnetic Disturbances EMD 2017, September 20-22, 2017, Białystok, Poland, 137-140.

Dariusz Wójcik, Jan Mocha, Maciej Surma, Artur Noga, Mirosław Magnuski, Andrzej Karwowski, Tomasz Topa: „Efekty nieliniowe w obwodach wejściowych aparatury elektromedycznej a odporność na zaburzenia promieniowane”, Przegląd Elektrotechniczny, 2017, 93(1), 225-228.

Barbara Szuster: „Badania wydolnościowe organizmu – specjalistyczna aparatura”, Ogólnopolski Przegląd Medyczny, 2017, 1-2, 30-34.

Barbara Szuster, Zbigniew Szczerk, Dawid Roj, Paweł Kowalski, Aleksander Sobotnicki, Jakub Wołoszyn: „Idea and measurement methods used in bioimpedance spectroscopy”, Innovations in Biomedical Engineering, M. Gzik et al. (eds.), Advances in Intelligent Systems and Computing, 2017, 526, 69-78.

Ewelina Sobotnicka, Aleksander Sobotnicki, Dawid Roj, Janusz Jeżewski: „Pyramid methods in analysis of the aorta images”, Proc. of 20-th Polish Conference on Biocybernetics and Biomedical Engineering, Kraków, Sept. 20-22, 2017, 55, Abstr.

Jerzy Gałecka, Fryderyk Prochaczek, and Adam Gacek, Hanna Winiarska-Prochaczek: “Minimizing interference from cardiac stimulator pulse in the ECG recordings during the diagnostics of myocardial ischemia by non-invasive transcutaneous cardiac stimulation”, Innovations in Biomedical Engineering, M. Gzik et al. (eds.), Advances in Intelligent Systems and Computing, 2017, 526, 151-160.