

Radek Martinek, Radana Kahankova, Janusz Jeżewski, Rene Jaros, Jitka Mohylova, Marcel Fajkus, Jan Nedoma, Petr Janku, Homer Nazeran, "Comparative Effectiveness of ICA and PCA in Extraction of fECG from aECG Signals: Towards Multichannel Non-Invasive fHR Monitoring", *Frontiers in Physiology*, 2018, Vol. 9, Article 648, doi:10.3389/fphys.2018.00648.

Łukasz Dziuda, Mariusz Krej, Maciej Śmietanowski, Aleksander Sobotnicki, Mariusz Sobiech, Piotr Kwaśny, Anna Brzozowska, Paulina Baran, Krzysztof Kowalczyk, Franciszek Skibniewski, "Development and evaluation of a novel system for inducing orthostatic challenge by tilt test and lower body negative pressure", *Scientific Reports*, 2018, Vol. 8, Article 7793, doi:10.1038/s41598-018-26173-2.

Michał Jeżewski, Robert Czabański, Jacek Łęski, Janusz Jeżewski, "Fuzzy classifier based on clustering with pairs of epsilon-hyperballs and its application to support fetal state assessment", *Expert Systems with Applications*, 2019, Vol. 118, 109-126.

Janusz Wróbel, Krzysztof Horoba, Janusz Jeżewski, „Nowoczesne KTG”, *Nowy Gabinet Ginekologiczny*, 2018, Vol. 4, 38-39.

Jacek Łeski, Marian Kotas, "Linguistically Defined Clustering of Data", *International Journal of Applied Mathematics and Computer Science*, 2018, Vol. 28, No. 3, 545-557.

Sana Ullah, Witold Pedrycz, George K. Karagiannidis, Adam Gacek, Han-Chieh Chao, Christos Verikoukis, "Guest Editorial Special Issue on Communications Technologies and Infrastructures for Smart e-Health Systems", *IEEE Systems Journal*, 2018, Vol.12. Issue: 1, Pages: 16-19.

Shuai Liu, Witold Pedrycz, Adam Gacek, Yaping Dai, "Development of information granules of higher type and their applications to granular models of time series", *Engineering Applications of Artificial Intelligence*, 2018, Vol.71, Pages: 60-72.

Dariusz Wójcik, Maciej Surma, Mirosław Magnuski, Artur Noga, Jan Mocha, „Weryfikacja

pomiarowa podatności wzmacniaczy operacyjnych na zaburzenia radioelektryczne”, *Przegląd Elektrotechniczny*, 2018, Vol. 2, 84-87.

Janusz Wrobel, Krzysztof Horoba, Adam Matonia, Tomasz Kupka, Norbert Henzel, Ewelina Sobotnicka, “Optimizing the automated detection of atrial fibrillation episodes in long-term recording instrumentation”, *Proc. of 25th International Conference on Mixed Design of Integrated Circuits and Systems – MIXDES’2018*, 460-464.

Janusz Wrobel, Krzysztof Horoba, Janusz Jezewski Tomasz Kupka, Adam Matonia, “Improving the Automated Detection of Silent AF Episodes Based on HR Variability Measures”, *Proc. of Conference on Innovations in Biomedical Engineering*, M. Gzik et al. (eds.), *Advances in Intelligent Systems and Computing*, 2018, 1-10.

Ewelina Sobotnicka, Aleksander Sobotnicki, Marek Czerw, Grzegorz Badura, Mariusz Sobiech, M. Krej, L. Puchalska, L. Dziuda, „A multiparameter examination system to assess self-regulatory mechanisms of the cardiovascular system under simulated hypergravity conditions”, *Proc. of 8th Microwave and Radar Week, 2018 Baltic URSI Symposium*, 2018, 518-521.

Ewelina Sobotnicka, Aleksander Sobotnicki, “BCI interface – new opportunities and hopes for the disabled. An overview of available solutions”, *Proc. of 8th Microwave and Radar Week, 2018 Baltic URSI Symposium*, 2018, 522-525.

Ewelina Sobotnicka, Aleksander Sobotnicki, Marek Czerw, Grzegorz Badura, Mariusz Sobiech, M. Krej, L. Puchalska, Łukasz Dziuda, “Tests for pilots under simulated hypergravity conditions – technological challenges and research methodology”, *Proc. of 25th International Conference on Mixed Design of Integrated Circuits and Systems – MIXDES’2018*, 465-470.