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Facultatea de Educație Fizică și Sport
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Dr. Ing. Roxana Todorean

LISTA DE LUCRĂRI

A. Lucrări indexate ISI/BDI

1. Mihai Covasa, Richard W. Stephens, Roxana Todorean, Claudiu Cobuz, Intestinal Sensing by Gut Microbiota: Targeting Gut Peptides, *Front. Endocrinol.*, 19 February 2019, <https://doi.org/10.3389/fendo.2019.00082>. IF: 3.519
2. R. Todorean, Classification of sensorimotor rhythms based on multi-layer perceptron neural networks, *International Conference on Development and Application Systems*, May 21-23, 2020 - Suceava, Romania
3. R. Todorean, M. Dimian, A Lazar, Comparison between different classifiers used in a motor imagery BCI, Nov 2019, *E-Health and Bioengineering Conference (EHB)*
4. Roxana Todorean (Aldea), Iuliana Chiuchisan, Application of Support Vector Machine for the classification of sensorimotor rhythms in Brain Computer Interface, Jun 2017, *E-Health and Bioengineering Conference (EHB)*
5. Roxana Todorean (Aldea), Oana Geman, Iuliana Chiuchisan, Anca Mihaela Lazar, A comparison between healthy and neurological disorders patients using nonlinear dynamic tools, *Proceedings of the International Conference and Exposition on Electrical and Power Engineering (EPE)*, 2016, pp. 299-303.
6. R. Todorean (Aldea), O. Geman, I. Chiuchisan, V. Balas, V. Beiu, Novel method for neurodegenerative disorders screening patients using Hurst coefficients on EEG delta rhythm, *7th International workshop on soft computing application*, august 24-26 2016, Arad, Romania
7. R. Aldea, M. Fira, A. Lazăr, „Classifications of motor imagery tasks using k-nearest neighbors”, *Proceedings of the 12th Symposium on Neural Network Applications in Electrical Engineering (NEUREL)*, 25-27 November 2014, Belgrade, Serbia, Piscataway: IEEE Service Center
8. R. Aldea, M. Fira, “Classifications of Motor Imagery Tasks in Brain Computer Interface Using Linear Discriminant Analysis” *International Journal of Advanced Research in Artificial Intelligence (IJARAI)*, 3(7), 2014. <http://dx.doi.org/10.14569/IJARAI.2014.030702>
9. R. Aldea, O. Eva, “Detecting sensorimotor rhythms from the EEG signals using the independent component analysis and the coefficient of determination”,

International Symposium on Signals, Circuits and Systems- ISSCS 2013, pp. 13–16, Iasi, 11-12 Iulie, 2013

10. R. Aldea, D. Tărniceriu, ” Estimating Hurst exponent in motor imagery-based Brain Computer Interface”, The 7th International conference- Speech technology and human-computer dialogue-SpeD, Cluj-Napoca, 16-19 Octombrie, 2013

B. Teza de doctorat

„CONTRIBUȚII LA IMPLEMENTAREA UNEI INTERFEȚE CREIER CALCULATOR”,
Îndrumător Prof. Dr. Ing Daniela Tărniceriu, Universitatea Tehnică „Gh. Asachi” Iași,
Facultatea de Electronică și Telecomunicații

C. Cărți

Oana Geman, **Roxana Todorean**, Elemente de analiză neliniară și metode moderne de procesare a semnalelor biomedicale. –Iași PIM 2017, ISBN 978-606-13-3659-3

Oana Geman, **Roxana Todorean**, De la sisteme expert la sisteme inteligente cu aplicatii in medicina. Iasi, PIM 2017, ISBN 978-606-13-3660-9

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Semnătura:

