UNIVERSITATEA DE MEDICINĂ ȘI FARMACIE
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Anexa 5

STANDARDELE MINIMALE, NECESARE ȘI OBLIGATORII
PENTRU ÎNSCRIERE LA CONCURS
pentru ocuparea postului de Asistent Universitar
perioadă nedeterminată

- Deținerea diplomei de Doctor în domeniul postului[1]

Diploma seria J nr. 0028699, titlul științific de doctor în domeniul Inginerie electronică şi telecomunicaţii

Ordinul Ministrului Educației Naționale nr. 5701 din 27.12.2017

Titlu tezei de doctorat:

Contribuţii privind detecţia şi clasificarea ritmurilor senzoriomotorii în realizarea unei interfeţe creier calculator

Diploma doctor

- Minimum 2 lucrări în reviste din domeniul postului pentru care candidează (medicină, medicină dentară, farmacie sau alte domenii, în conformitate cu postul scos la concurs), in extenso, dintre care 1 articol în reviste cotate ISI, prim autor sau autor corespondent, 1 articol în reviste BDI, prim autor.

  Lucrări în revistă cotată ISI[2]

1. **Eva, O.D.**, Lazar, A.M. *Amplitude modulation index as feature in a brain computer interface.* Traitement du Signal, 2019, Vol. 36, No. 3, pp. 201-207.
   FI 2018: 0.387
   https://doi.org/10.18280/ts.360301
   http://www.iieta.org/journals/ts/paper/10.18280/ts.360301

[1] Nume diplomă, serie, număr
[2] Autori, titlu articol, nume revistă, volum, număr, paginație, factor de impact al revistei pentru anul publicării articolului, link

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Amplitude Modulation Index as Feature in a Brain Computer Interface.pdf

Factor de impact Traitement du Signal

Lucrări în revistă indexată BDI[3]

2. **Eva, O.D.**, Lazar, A.M., *An Amplitude Modulation of Cerebral Rhythms based Method in a Motor Task BCI Paradigm*. International Journal of Advanced Computer Science and Applications (IJACSA), 2018, 9(9).

   http://dx.doi.org/10.14569/IJACSA.2018.090904

   An Amplitude Modulation of Cerebral Rhythms based Method in a Motor Task BCI Paradigm.pdf

   Baze de date : Web of Science, Scopus, Inspec, Semantic Scholar, EBSCOhost, Microsoft Academic Search and Index Copernicus

   https://thesai.org/Publications/Citations?code=IJACSA

   Link Bază de date Web of Science

3. **Eva, O.D.**, Lazar, A.M., *Feature Extraction and Classification Methods for a Motor Task Brain Computer Interface: A Comparative Evaluation for Two Databases*. International Journal of Advanced Computer Science and Applications (IJACSA), 2017, 8(8).

   http://dx.doi.org/10.14569/IJACSA.2017.080834

   Feature Extraction and Classification Methods for a Motor Task Brain Computer Interface A Comparative Evaluation for Two Databases.pdf

   Baze de date : Web of Science, Scopus, Inspec, Semantic Scholar, EBSCOhost, Microsoft Academic Search and Index Copernicus

   https://thesai.org/Publications/Citations?code=IJACSA

   Link Bază de date Web of Science

4. Pasarica, A., **Eva, O.D.**, Tarniceriu D., *Study of electroencephalographic channels coupling in multiple database analysis*. Buletinul Institutului Politehnic din Iaşi, Secţia Electrotehnică, Energetică, Electronică, 2017, vol. 63(67), nr. 2, pg. 63 – 82.

   http://www.bulipi-eee.tuiasi.ro/archive/2017/fasc.2/p6_f2_2017.pdf

   Study of electroencephalographic channels coupling in multiple database analysis.pdf

   Baze de date: Index Copernicus, CNKI Scholar, Ulrich's.

   http://www.bulipi-eee.tuiasi.ro/

   Link Bază de date Index Copernicus

[3] Autori, titlu articol, nume revistă, volum, număr, paginație, numele bazei internaționale de date, link

5. **Eva, O.D.**, Pasarica A., Tarniceriu D., *Phase synchronization based channel selection for a motor imagery paradigm*". Buletinul Institutului Politehnic din Iaşi, Secția Electrotehnică, Energetică, Electronică, 2017, vol. 63(67), nr. 2, pg. 51 – 62.

   http://www.bulipi-eee.tuiasi.ro/archive/2017/fasc.2/p5_f2_2017.pdf

   Phase synchronization based channel selection.pdf

   Baze de date: Index Copernicus, CNKI Scholar, Ulrich's.

   http://www.bulipi-eee.tuiasi.ro/

   Link Bază de date Index Copernicus

6. Toader, E., **Eva, O.D.**, Olteanu, A., Anton, S., *Application of Biomedical Technologies – Issues in Modern Bioethics*. E-Health and Bioengineering Conference (EHB), 2017, pp. 478-481.

   https://ieeexplore.ieee.org/document/7995465

   Application of Biomedical Technologies – Issues in Modern Bioethics.pdf

   Bază de date : IEEE Xplore®
   https://ieeexplore.ieee.org/document/7995465

   Link bază de date

7. Pasarica, A., **Eva, O.D.**, Tarniceriu D., *Analysis of EEG Channel Coupling for Motor Imagery Applications*. International Symposium on Signals, Circuits and Systems (ISSCS), 2017, pg. 1 – 4.

   https://ieeexplore.ieee.org/document/8034885

   Analysis of different threshold selection methods for eye image segmentation used in eye tracking applications.pdf

   Bază de date : IEEE Xplore®
   https://ieeexplore.ieee.org/document/8034885

   Link bază de date

8. **Eva, O.D.**, *Detection and Classification of Mu Rhythm using Phase Synchronization for a Brain Computer Interface*. International Journal Of Advanced Computer Science And Applications, 2016, vol. 7(12).

   http://dx.doi.org/10.14569/IJACSA.2016.071242

   Detection_and_Classification_of_Mu_Rhythm.pdf

   Baze de date : Web of Science, Scopus, Inspec, Semantic Scholar, EBSCOhost, Microsoft Academic Search and Index Copernicus

   https://thesai.org/Publications/Citations?code=IJACSA

   Link Bază de date Web of Science

30

9. Pasarica, A., Bozomitu, R. G., **Eva, O.D.**, Tarniceriu, D., Rotariu, C., *Analysis of different threshold selection methods for eye image segmentation used in eye tracking applications*. International Conference on Development and Application Systems (DAS), 2016, pp. 299-302.

   https://ieeexplore.ieee.org/document/7492591

   Analysis of different threshold selection methods for eye image segmentation used in eye tracking applications.pdf

   Bază de date : IEEE Xplore®
   https://ieeexplore.ieee.org/document/7492591

   Link Bază de date

10. **Eva, O.D.**, Pasarica, A., *Rest-to-work transfer of spatial filters for a motor imagery based brain computer interface*. International Symposium on Signals, Circuits and Systems (ISSCS), 2015, pg. 1 - 4.

    https://ieeexplore.ieee.org/document/7203997

    Rest-to-work transfer of spatial filters for a motor imagery based brain computer interface.pdf

    Bază de date : IEEE Xplore®
    https://ieeexplore.ieee.org/document/7203997

    Link bază de date

11. **Eva, O.D.**, Lazar, A.M., *Channels selection for motor imagery paradigm - An Itakura distance based method*. E-Health and Bioengineering Conference (EHB), 2015, pg. 1-4, IEEE Xplore®,

    https://ieeexplore.ieee.org/document/7391469

    Channels Selection for Motor Imagery Paradigm - an Itakura Distance based Method.pdf

    Bază de date : IEEE Xplore®
    https://ieeexplore.ieee.org/document/7391469

    Link bază de date

12. **Eva, O.D.**, Tarniceriu, D., *Substitution of spatial filters from relaxation to motor imagery for EEG based brain computer interface*. 19th of the International Conference on System Theory, Control and Computing (ICSTCC), 2015, pg. 147-150.

    https://ieeexplore.ieee.org/document/7321284

    Substitution of spatial filters from relaxation to motor imagery for EEG based brain computer interface.pdf

    Bază de date : IEEE Xplore®
    https://ieeexplore.ieee.org/document/7321284

Link bază de date

13. **Eva, O.D.**, Lazar , A.M., Fira, M., *Normalized Itakura Distance based discrimination used in a motor imagery brain computer interface paradigm*. Buletinul Institutului Politehnic din Iaşi, Secţia Electrotehnică, Energetică, Electronică, 2015, Tomul LXI (LXV), fasc. IV, pg. 91-101.

    http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.4/p8_f4.pdf

    Normalized Itakura distance based discrimination.pdf

    Baze de date: Index Copernicus, CNKI Scholar, Ulrich's.

    http://www.bulipi-eee.tuiasi.ro/

    Link Bază de date Index Copernicus

14. **Eva, O.D.**, Lazar, A.M., *Comparison of Classifiers and Statistical Analysis for EEG Signals Used in Brain Computer Interface Motor Task Paradigm*. International Journal of Advanced Research in Artificial Intelligence (IJARAI), 2015, 4(1).

    http://dx.doi.org/10.14569/IJARAI.2015.040102

    Comparison_of_Classifiers_and_Statistical_Analysis_for_EEG_Signals.pdf

    Baze de date : Inspec, Microsoft Academic Search, Ex Libris, Serials Solutions, Index Copernicus, GetCITED, CiteSeerx, EBSCOhost, WorldCat, BASE, Ulrichsweb, Cabell.

    https://thesai.org/Publications/Citations?code=IJARAI

    Link bază de date

15. Pasarica, A., Rotariu, C., Bozomitu, R. G., **Eva, O.D.**, *Dynamic of couplings between fetal heart rate and uterine contractions.* International Symposium on Signals, Circuits and Systems (ISSCS), 2015, pg. 1 - 4.

    https://ieeexplore.ieee.org/document/7203968

    Dynamic of couplings between fetal heart rate and uterine contractions.pdf

    Bază de date : IEEE Xplore®
    https://ieeexplore.ieee.org/document/7203968

    Link bază de date

16. **Eva, O.D.**, Aldea, R., Lazar, A.M., *Detection and classification of Mu rhythm for Motor movement/imagery dataset*. Buletinul Institutului Politehnic din Iaşi, Secţia Electrotehnică, Energetică, Electronică, 2014, Tomul LX (LXIV), Fasc. 2, pp. 36-44.

    http://www.bulipi-eee.tuiasi.ro/archive/2014/fasc.2/p5_f2_2014.pdf

    Detection and classification of Mu rhythm for Motor movement/imagery dataset.pdf

    Baze de date: Index Copernicus, CNKI Scholar, Ulrich's.

    http://www.bulipi-eee.tuiasi.ro/

    Link bază de date

17. Aldea, R., **Eva, O.D.**, *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. 1-4.

https://ieeexplore.ieee.org/document/6651213

Detecting sensorimotor rhythms from the EEG signals using the independent component analysis and the coefficient of determination.pdf

Bază de date : IEEE Xplore®
https://ieeexplore.ieee.org/document/6651213

Link bază de date

Pentru posturile de asistent, altele decât cele din domeniul sănătate, se aplică standardele minimale ale Universității noastre, conform legislației în vigoare.

Data,

9.01.2020

Semnătura,