

A N E X A 4 . 1

Nume Prenume: Vlad Simona

Gradul didactic: Conferențiar

Instituția unde este titular: Universitatea Tehnică din Cluj-Napoca

Facultatea: Inginerie Electrică

Departamentul: Electrotehnică și Măsurări

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

1. Teza de doctorat

„Modelarea teoretică și experimentală a proceselor din separatorul electrostatic cu placă”

conducător științific: Prof.dr.ing. Alexandru Iuga

Universitatea Tehnică din Cluj-Napoca

Susținere publică: 1999.

2. Cărți și capitole în cărți publicate în ultimii 10 ani

CĂRȚI

1. **Simona Vlad** , Nicolae M. Roman (eds), *International Conference on Advancements of Medicine and Health Care through Technology; 20-22 October 2022 Cluj-Napoca, Romania, IFMBE Proceedings*, Vol. 102, ed. Springer, ISBN 978-3-031-51119-6 (2024) (<https://link.springer.com/book/10.1007/978-3-031-51120-2>)
2. **Simona Vlad** , Nicolae M. Roman (eds), *International Conference on Advancements of Medicine and Health Care through Technology; 13-15 October 2020 Cluj-Napoca, Romania, IFMBE Proceedings*, Vol. 88, ed. Springer, ISBN 978-3-030-93563-4 (2021) (<https://link.springer.com/book/10.1007/978-3-030-93564-1>)
3. **Simona Vlad** , Nicolae M. Roman (eds), *International Conference on Advancements of Medicine and Health Care through Technology; 17th-20th October 2018 Cluj-Napoca, Romania, IFMBE Proceedings*, Vol. 71, ed. Springer, ISBN 978-981-13-6206-4 (2019), (<http://link.springer.com/book/10.1007%2F978-981-13-6207-1>)
4. **Simona Vlad** , Nicolae M. Roman (eds), *International Conference on Advancements of Medicine and Health Care through Technology; 12th-15th October 2016 Cluj-Napoca, Romania, IFMBE Proceedings*, Vol. 59, ed. Springer, ISBN 978-3-319-52874-8 (2017), (<http://www.springer.com/engineering/biomedical+engineering/book/978-3-319-07652-2>)
5. **Simona Vlad** , Radu Ciupa (eds), *International Conference on Advancements of Medicine and Health Care through Technology; 5th-7th June 2014 Cluj-Napoca, Romania, IFMBE Proceedings*, Vol. 44, ed. Springer, ISBN 978-3-319-07653-9 (2014), (<http://www.springer.com/engineering/biomedical+engineering/book/978-3-319-07652-2>).

3. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

c1) Articole / studii publicate la conferințe indexate sau în reviste de specialitate de circulație internațională recunoscute (cotate ISI)

1. R. Holonec, **S. Vlad**, A.I. Roman, L. Rapolti. Monitoring of Obstructive Sleep Apnea Using Virtual Instrumentation Techniques. 6th International Conference on Advancements of Medicine and Health Care through Technology; 17–20 October 2018, Cluj-Napoca, Romania. *IFMBE Proceedings*, vol 71, pp.91-96 Springer (2019), ISBN 978-981-13-6206-4.
2. R. Holonec, **S. Vlad**, L. Rapolti. Application for Detection of Epileptic Seizures. 6th International Conference on Advancements of Medicine and Health Care through Technology; 17–20 October 2018, Cluj-Napoca, Romania. *IFMBE Proceedings*, vol 71, pp.85-90 Springer (2019), ISBN 978-981-13-6206-4.
3. C.M. Fort, A.M. Ciupe, **S. Vlad**. An ECG Front-End Device based on ADS1298 Converter, Int. Conf. on Advancements of Medicine and Health Care through Technology; 12th-15th October 2016 Cluj-Napoca, Romania, *IFMBE Proceedings*, Vol. 59, pp. 99-102 (2017), ISBN 978-3-319-52874-8.
4. M.C. Ignat, P. Farago, S. Hintea, M.N. Roman, **S. Vlad**. A Single-Character Refreshable Braille Display with FPGA Control. Int. Conf. on Advancements of Medicine and Health Care through Technology; 12th-15th October 2016 Cluj-Napoca, Romania, *IFMBE Proceedings*, Vol. 59, pp. 63-66 (2017), ISBN 978-3-319-52874-8.
5. **Vlad, Simona**, Demea, Sorina, Demea, Horea, Holonec, Rodica. Neural network classifier for glaucoma diagnosis. *Proceedings of E-Health and Bioengineering Conference (EHB)*, 2015, Iasi, Romania, 19-21st November 2015, DOI: 10.1109/EHB.2015.7391596.

c2) Studii publicate la conferințe sau în reviste indexate în baze de date internaționale de referință în domeniul Inginerie Electrică (DBLP, ACM, IEEE, SCOPUS, etc)¹

6. Alina S. Danciu, Paul Medan, **Simona Vlad**, Nicolae Crisan. Operating-room Time Management during Robotic-Assisted Surgeries – Case Study. *Review of Management and Economic Engineering*, vol. 23, nr 1(91), pp. 2360-2155 (2024), ISSN 1583-624X. [ULRICHSWEB, EBSCO]
7. Oana-Cristina Ciaca, **Simona Vlad**. Cataract Diagnosis Using Convolutional Neural Networks Classifiers. A Preliminary Study. *8th International Conference on Advancements of Medicine and Health Care through Technology*; 20–22 October 2022, Cluj-Napoca, Romania. *IFMBE Proceedings*, vol 102, pp. 30-39. Springer (2024), ISBN 978-3-031-51119-6. [SCOPUS]
8. Madalina Ianovici, **Simona Vlad**, Angela Lungu. Classification of Hemorrhagic Stroke Lesions Based on CT Images and Machine Learning Algorithms. A Study on a Highly Imbalanced Dataset. *8th International Conference on Advancements of Medicine and Health Care through Technology*; 20–22 October 2022, Cluj-Napoca, Romania. *IFMBE Proceedings*, vol 102 pp. 60-68. Springer (2024), ISBN 978-3-031-51119-6. [SCOPUS]

¹ indexate în:

[IEEE] - IEEE Xplore (<http://ieeexplore.ieee.org/Xplore/guesthome.jsp>)

[ACM] - ACM portal (<http://portal.acm.org>)

[DBLP] - (<http://www.informatik.uni-trier.de>)

[SCOPUS] - (<http://www.scopus.com>)

...

9. Alina S. Danciu, **Simona Vlad**, Marius Leordeanu. Automatic Liver and Hepatic Tumors Segmentation in CT Images using Convolutional Neural Networks. *7th International Conference on Advancements of Medicine and Health Care through Technology*; 13–15 October 2020, Cluj-Napoca, Romania. IFMBE Proceedings, vol 88, pp. 207-216. Springer, Cham. (2021), ISBN 978-3-030-93563-4. [SCOPUS]
10. R. Holonec, **S. Vlad**, M.N.. Roman, L. Rapolti. Smart House Control using Hand Gestures, Recognition LabVIEW Applications. *7th International Conference on Advancements of Medicine and Health Care through Technology*; 13–15 October 2020, Cluj-Napoca, Romania. IFMBE Proceedings, vol 88, pp. 240-249, Springer, Cham (2021), ISBN 978-3-030-93563-4. [SCOPUS]
11. F. Neaga, I. Raus, R. Moga, D. Moga, **S. Vlad**, N. Stroia, M. Munteanu. Structured Light Based Imaging Architecture for Guided Fracture Reduction. *Proceedings of MediTech2014*, 5th-7th June 2014, Cluj-Napoca, Romania, IFMBE Proceedings, vol.44, pp. 265-270 Springer (2014), ISBN 978-3-319-07653-9. [SCOPUS]

Data:

Septembrie 2024

Semnătura: