

LISTA LUCRĂRILOR DIDACTICE ȘI ȘTIINȚIFICE¹
Șef lucr. dr. ing. Anamaria VIZITIU

A. Lucrări indexate ISI/BDI²

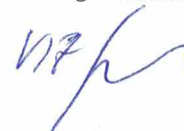
Lucrări în reviste

1. Stoian, D.I., Leonte, H.A., **Vizitiu, A.**, Suciu, C., & Itu, L.M. *Deep Neural Networks in Medical Imaging: Privacy Preservation, Image Generation and Applications*. Applied Sciences. 2023; <https://www.mdpi.com/2076-3417/13/21/11668>.
2. **Vizitiu, A.**, Nita, C.I., Toev, R.M., Suditu, T., Suciu, C., Itu, L.M. *Framework for Privacy-Preserving Wearable Health Data Analysis: Proof-of-Concept Study for Atrial Fibrillation Detection*. Applied Sciences. 2021; 11(19):9049. <https://www.mdpi.com/2076-3417/11/19/9049>.
3. Popescu, A.B., Taca, I.A., Nita, C.I., **Vizitiu, A.**, Demeter, R., Suciu, C., Itu, L.M. *Privacy Preserving Classification of EEG Data Using Machine Learning and Homomorphic Encryption*. Applied Sciences. 2021; 11(16):7360. <https://www.mdpi.com/2076-3417/11/16/7360>.
4. Puiu, A., **Vizitiu, A.**, Nita, C., Itu, L., Sharma, P., Comaniciu, D. *Privacy-Preserving and Explainable AI for Cardiovascular Imaging*. Studies in informatics and control. 2021: 21-32. <https://journals.indexcopernicus.com/search/article?articleId=2929025>.
5. **Vizitiu, A.**, Niță, C.I., Puiu, A., Suciu, C., Itu, L.M., *Applying Deep Neural Networks Over Homomorphic Encrypted Medical Data*, Computational and Mathematical Methods in Medicine, Vol. 2020, Hindawi, 2020. <https://www.hindawi.com/journals/cmmm/2020/3910250/>.

Lucrări publicate în volume de conferințe

1. **Vizitiu, A.**, Mohaiu, A.T., Popdan, I.M., Balachandran, A., Ghesu, F.C., & Comaniciu, D. *Multi-scale Self-Supervised Learning for Longitudinal Lesion Tracking with Optional Supervision*. International Conference on Medical Image Computing and Computer-Assisted Intervention. 2023; https://link.springer.com/chapter/10.1007/978-3-031-43907-0_55.
2. **Vizitiu, A.**, Niță, C.I., Puiu, A., Suciu, C., Itu, L.M., *Towards Privacy-Preserving Deep Learning based Medical Imaging Applications*, 14th IEEE Inter. Symp. on Medical Measurements and Applications - MeMeA 2019, Istanbul, Turkey, 26-28 June 2019, pp. 1-6. <https://ieeexplore.ieee.org/abstract/document/8802193>.
3. **Vizitiu, A.**, Nita, IC., Puiu, A., Suciu, C., Itu, L. *Privacy-Preserving Artificial Intelligence: Application to Precision Medicine*. 2019 41st Inter. Conf. of the IEEE Engineering in Medicine & Biology Society - EMBC 2019, Berlin, Germany, 23-27 July 2019, pp. 6498-6504. <https://ieeexplore.ieee.org/abstract/document/8857960>.
4. **Vizitiu, A.**, Puiu, A. Reangamornrat, S., Itu, L. *Data-Driven Adversarial Learning for Sinogram-Based Iterative Low-Dose CT Image Reconstruction*, 23rd Inter. Conf. on System Theory, Control and Computing - ICSTCC 2019, Sinaia, Romania, 9-11 Oct. 2019, pp. 668-674. <https://ieeexplore.ieee.org/abstract/document/8885947>.
5. **Vizitiu, A.**, Itu, L.M., Nita, C., Suciu, C. *Optimized three-dimensional stencil computation on Fermi and Kepler GPUs*. 2014 IEEE High Performance Extreme Computing Conference (HPEC), Avenue Waltham, MA, 11-14 September 2014, pp. 1-6. <https://ieeexplore.ieee.org/abstract/document/7040968>.

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¹ Lista lucrărilor didactice și științifice este folosită pentru verificarea îndeplinirii indicatorului "Toate posturile didactice sunt acoperite cu cadre didactice ce au pregătirea inițială, sunt doctori / doctoranzi și cercetează în domeniul în care se includ disciplinele din postul ocupat".

² Bazele de date considerate la punctul C sunt cele recunoscute de comisia CNATDCU a domeniului declarat de cadrul didactic.