

Lista publicațiilor

Reviste cu factor de impact:

1. Alexandru Dinu, Petre Lucian Ogruțan, *Reinforcement Learning Made Affordable for Hardware Verification Engineers*, 2022 Micromachines, an MDPI Journal, FI 3,523, SRI 1.207, indexare WoS și PubMed

Publicație accesibilă la adresa

<https://www.mdpi.com/2072-666X/13/11/1887/pdf> .

2. Alexandru Dinu, Gabriel Mihail Danciu, Petre Lucian Ogruțan, *Cost-Efficient Approaches for Fulfillment of Functional Coverage during Verification of Digital Designs*, 2022 Micromachines, an MDPI Journal, FI 2.89, SRI 1.171, indexare WoS și PubMed

Publicație accesibilă la adresa

<https://www.mdpi.com/2072-666X/13/5/691/pdf?version=1651229376> .

3. Gabriel Mihail Danciu, Alexandru Dinu, *Coverage Fulfillment Automation in Hardware Functional Verification Using Genetic Algorithms*, Applied Sciences, an MDPI Journal, FI 2.679, SRI 0.923, indexare WoS și PubMed, WOS:000755070200001

Publicație accesibilă la adresa

<https://www.mdpi.com/2076-3417/12/3/1559/pdf> .

4. Alexandru Dinu, Ștefan Gheorghe, Gabriel Mihail Danciu, Petre Lucian Ogruțan, *Debugging FPGA projects using artificial intelligence*, 2021 Romanian Journal of Information Science and Technology, FI 0.63, SRI 0.273, WOS:000704174600003

Publicație accesibilă la adresa <http://romjist.ro/full-texts/paper695.pdf> .

Reviste BDI:

1. Dinu, Alexandru, Adrian Crăciun, and Marian Alexandru. *Hardware reconfiguration of a SoC*. Review of the Air Force Academy 1 (2018): 55-64.

https://www.afahc.ro/ro/revista/2018_1/RevAFAHC-NO1-2018.pdf#page=55

2. Ogrutan, Petre Lucian, Alina Luminita Machidon, and Alexandru Dinu. *Is there a link between creativity and multiculturalism in education?* TEM Journal 8, no. 2 (2019): 577.

Publicație accesibilă la adresa

https://www.academia.edu/download/82187499/TEMJournalMay2019_577_583.pdf .



Conferințe indexate WoS:

1. Alexandru Dinu, Petre Lucian Ogruțan, *Coverage fulfillment methods as key points in functional verification of integrated circuits*, 2019 International Semiconductor Conference (CAS), Sinaia, indexare WoS si IEEE, WOS:000514295300042

Publicație accesibilă la adresa <https://ieeexplore.ieee.org/abstract/document/8923695>.

2. Alexandru Dinu, Petre Lucian Ogruțan, *Opportunities of using artificial intelligence in hardware verification*, 2019 IEEE 25th International Symposium for Design and Technology in Electronic Packaging (SIITME), Cluj-Napoca, indexare WoS si IEEE, WOS:000564733700045

Publicație accesibilă la adresa <https://ieeexplore.ieee.org/abstract/document/8990751/>.

3. Alexandru Dinu, Gabriel Mihail Danciu, Petre Lucian Ogrutan, *Efficient analysis of digital systems' supplied data*, 2020 International Symposium on Electronics and Telecommunications, indexare WoS si IEEE, WOS:000612681000020

Publicație accesibilă la adresa <https://ieeexplore.ieee.org/abstract/document/9301139/>.

4. Alexandru Dinu, Gabriel Mihail Danciu, Petre Lucian Ogrutan, *Debug FPGA projects using machine learning*, 2020 International Semiconductor Conference (CAS), indexare WoS si IEEE, WOS:000637264600039

Publicație accesibilă la adresa <https://ieeexplore.ieee.org/abstract/document/9268007/>.

5. Stefan Gheorghe, Alexandru Dinu, *Controlling hardware design behavior using Python based machine learning algorithms*, 2021 16th International Conference on Engineering of Modern Electric Systems - ICEMES, indexare WoS si IEEE

Publicație accesibilă la adresa <https://ieeexplore.ieee.org/abstract/document/9484105/>.

6. Alexandru Dinu, Gabriel Mihail Danciu, Stefan Gheorghe, *Level up in verification: learning from functional snapshots*, 2021 16th International Conference on Engineering of Modern Electric Systems - ICEMES, indexare WoS si IEEE

Publicație accesibilă la adresa <https://ieeexplore.ieee.org/abstract/document/9484129/>.



7. Iustin Constantin, Alexandru Dinu, Simona Coman, *Automatic light intensity control for a POV technology based display*, 2021 16th International Conference on Engineering of Modern Electric Systems - ICEMES, indexare WoS si IEEE

Publicație accesibilă la adresa <https://ieeexplore.ieee.org/abstract/document/9484113/> .

Cărți:

1. Petre Lucian Ogrutan, Alexandru Dinu, *Inițiative noi și dificultăți ale trecerii la educația prin implicare a studenților la inginerie*, 2021, Editura Universității Transilvania din Brașov, ISBN 978-606-19-1420-3, 86 pagini

2. Gabriel Mihail Danciu, Alexandru Dinu, Alexandra Dobrinaș, *Structuri de date și algoritmi*, 2022, Editura Universității Transilvania din Brașov, ISBN 978-606-18-1483-8

Candidat,

Alexandru Dinu



Brașov,

09.01.2023