

Nume și Prenume: **Petroșanu Dana-Mihaela**

Gradul didactic: lector universitar

Instituția unde este titular: Universitatea Națională de Știință și Tehnologie POLITEHNICA București

Facultatea: de Științe Aplicate

Departamentul: Matematică-Informatică

Link catre pagina personala CRESCDI: <https://crescdi.pub.ro/#/profile/986>

ID CRESCDI: dana.petrosanu@upb.ro

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

1. Contribuții la studiul solidelor cu deformații mari (2010)

B. Cărți și capitole în cărți publicate

1. Mocică Gheorghe, **Petroșanu Dana-Mihaela**, *Integrala Curbilinie în Planul Complex*, Editura Printech, București, 1998.
2. Turtoi Adriana **Petroșanu Dana-Mihaela** **D. Petroșanu**, *Elemente de geometrie*, Editura Fair Partners, București, 2006.
3. **Petroșanu Dana-Mihaela**, Căruțașu George, Căruțașu Nicoleta Luminița, Pîrjan Alexandru, A Review of the Recent Developments in Integrating Machine Learning Models with Sensor Devices in the Smart Buildings Sector with a View to Attaining Enhanced Sensing, Energy Efficiency, and Optimal Building Management, in IoT and Sensor Networks in Industry and Society, Editori Daniele D. Giusto, Virginia Pilloni, Editura MDPI, ISBN 978-3-0365-0216-8 (Hbk), ISBN 978-3-0365-0217-5 (PDF), 64 pagini/340 pagini, **2022**.
4. **Petroșanu Dana-Mihaela**, *Matematici Speciale, Teorie și Aplicații*, Editura Matrix Rom, ISBN 978-606-25-0288-1, București, **2016**.

C. Lucrări indexate ISI/BDI

1. Pîrjan Alexandru, **Petroșanu Dana-Mihaela**, *Exploring Large Language Models in the education process with a view towards transforming personalized learning*, Journal of Information Systems & Operations Management, December **2024**, Vol. 18 Issue 2, pp. 125-171, ISSN 1843-4711
2. Șendre Doinița, **Petroșanu Dana-Mihaela**, Pîrjan Alexandru, *Exploring compression strategies for Large Language Models towards efficient Artificial Intelligence implementations*, Journal of

3. **Petroșanu Dana-Mihaela**, Pîrjan Alexandru, Tăbușcă Alexandru, "Tracing the Influence of Large Language Models across the Most Impactful Scientific Works", MDPI, 30 pagini, **2023**, Electronics 12, no. 24: 4957.
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5. **Petroșanu Dana-Mihaela**, Pîrjan Alexandru, *Electricity Consumption Forecasting Based on a Bidirectional Long-Short-Term Memory Artificial Neural Network*, Sustainability, **2021**, 13, 1.
6. **Petroșanu Dana-Mihaela**, Căruțașu George, Căruțașu Nicoleta Luminița, Pîrjan Alexandru, *A review of the recent developments in integrating machine learning models with sensor devices in the smart buildings sector with a view to attaining enhanced sensing, energy efficiency, and optimal building management*, Energies **2019**, 12, 4745.
7. **Petroșanu Dana-Mihaela**, *Designing, Developing and Validating a Forecasting Method for the Month Ahead Hourly Electricity Consumption in the Case of Medium Industrial Consumers. Processes* **2019**, 7, 310.
8. Duffett Rodney, **Petroșanu Dana-Mihaela**, Negricea Iliuță-Costel, Edu Tudor, *Effect of YouTube Marketing Communication on Converting Brand Liking into Preference among Millennials Regarding Brands in General and Sustainable Offers in Particular. Evidence from South Africa and Romania. Sustainability* **2019**, 11, 604.
9. Pîrjan Alexandru, **Petroșanu Dana-Mihaela**, From bits to qubits, from computing to quantum computing: an evolution on the verge of a revolution in the computing landscape, Journal of Information Systems & Operations Management, May **2019**, Vol. 13 Issue 1, pp. 21-32, ISSN 1843-4711.
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11. Oprea Simona-Vasilica, Pîrjan Alexandru, Căruțașu George, **Petroșanu Dana-Mihaela**, Bâra Adela, Stănică Justina-Lavinia, Coculescu Cristina, *Developing a Mixed Neural Network Approach to Forecast the Residential Electricity Consumption Based on Sensor Recorded Data*, Sensors **2018**, no. 5, ISSN 1424-8220.
12. Pîrjan Alexandru, Oprea Simona-Vasilica, Căruțașu George, **Petroșanu Dana-Mihaela**, Bâra

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14. **Petroșanu Dana-Mihaela**, Pîrjan Alexandru, *Implementation solutions for deep learning neural networks targeting various application fields*, *Journal of Information Systems & Operations Management*, Vol. 11, Nr. 1/**2017**, pp. 154-168, ISSN 1843-4711.
15. **Petroșanu Dana-Mihaela**, Pîrjan Alexandru, *Novel approaches in implementing the Legendre spectral-collocation method using the Compute Unified Device Architecture*, *University Politehnica of Bucharest, Scientific Bulletin, Applied Mathematics and Physics*, ISSN 1223-7027, Series A, Vol. 78, Iss. 3, **2016**, pg. 193-204.
16. Pîrjan Alexandru, **Petroșanu Dana-Mihaela**, *Novel approaches in generating random numbers using graphics processing units*, *University Politehnica of Bucharest, Scientific Bulletin, Series A, Applied Mathematics and Physics*, Vol. 77, Number 1/**2015**, pp. 151-162, ISSN 1223-7027.
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21. Pîrjan Alexandru, **Petroșanu Dana-Mihaela**, *The Impact of 3D Printing Technology on the Society and Economy*, *Journal of Information Systems & Operations Management*, Vol. 7, Nr. 2/**2013**, pp. 360-370, ISSN 1843-4711.
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- 29.** **Petroșanu Dana-Mihaela**, Contributions to the study of large strain solid, University Politehnica of Bucharest, Scientific Bulletin, Series A: Applied Mathematics and Physics, nr.1, **2011**, pp. 139-148.
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Semnătura: