MEMORIU ȘTIINȚIFIC

Drd. Nistor ANDREI

Studii de doctorat

Perioada: 10.2021 - 12.2025
Conducător științific: Prof.dr.ing. Cezar SCARLAT
Domeniu: inginerie industrială
Titlul tezei de doctorat: Cadru conceptual bazat pe inteligența artificială (AI) pentru lanțurile logistice: Integrarea transportului maritim, portuar și urban.

Activitate științifică

A. Lista de lucrări științifice (articole în reviste sau volume)

1. Andrei, N. (2024). *The Synergy of Artificial Intelligence and Geospatial Technologies in the Decision Making*, FAIMA Business & Management Journal, 12(3), 61–68.
2. Andrei, N. (2025). *AI-driven Optimization in Cargo Transportation: Enhancing Efficiency Through Intelligent Algorithms*, UPB Scientific Bulletin, 87(3), 161–172.
3. Andrei, N. (2026). *Simulation-Based Evaluation of AI-Orchestrated Port–City Logistics*. Urban Science, 10(1). https://doi.org/10.3390/urbansci10010058
4. Andrei, N., & Scarlat, C. (2022). *Geospatial Technology-Based Study on Tourist Accommodation in Bucharest Metropolitan Area–In Relation to Passenger Traffic in Major Transportation Hubs*, Journal of Event, Tourism and Hospitality Studies, 2, 199–231. https://doi.org/10.32890/jeth2022.2.8.
5. Andrei, N., & Scarlat, C. (2025). *AI-Driven Urban Mobility Solutions: Shaping Bucharest as a Smart City.* Urban Science, 9(9), 335. https://doi.org/10.3390/urbansci9090335.
6. Andrei, N., Scarlat, C. & Ioanid, A. (2024). *Transforming E-Commerce Logistics: Sustainable Practices through Autonomous Maritime and Last-Mile Transportation Solutions. Logistics*, 8(3), 71. https://doi.org/10.3390/logistics8030071.
7. Scarlat, C., Ioanid, A. & Andrei, N. (2023). *Use of the geospatial technologies and its implications in the maritime transport and logistics, The International Maritime Transport and Logistic Journal*, 12, 10–17. https://doi.org/10.21622/MARLOG.2023.12.1.041.

B. Cărți și manuale

1. Andrei, N. & Scarlat, C. (2024b). Marine applications: The Future of Autonomous Maritime Transportation and Logistics. In R.M. Abdalla (Ed.), Revolutionizing Earth Observation - New Technologies and Insights. IntechOpen. https://doi.org/10.5772/intechopen.1004275.

C. Participări la conferințe/workshop-uri

1. Sustainable & Innovative Technologies, Towards a Resilient Future - The International Maritime Transport and Logistics Conference, Alexandria, Egipt, 12/03/2023 – 14/03/2023.
2. Towards Increased Business Resilience: Facing Digital Opportunities and Challenges – ICMIE, București, România, 16/11/2023 – 17/11/2023.
3. Towards Smart Green Blue Infrastructure - The International Maritime Transport and Logistics Conference, Alexandria, Egipt, 03/03/2024– 05/03/2024.
4. Leading Change in Disruptive Times - International Conference on Business Excellence, București, România, 20/03/2025 – 23/03/2025.

Student-doctorand,
Nistor ANDREI

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