UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
FACULTATEA DE CONSTRUCȚII ȘI INTALAȚII
DEPARTAMENTUL DE INGINERIA INSTALAȚIILOR
Ramura de știință: Inginerie Civilă și Instalații
Domeniul de doctorat: Inginerie Civilă și Instalații

LISTA DE LUCRĂRI

Conf.univ.dr.ing. HUDIȘTEANU VALERIU-SEBASTIAN

A. Teza de doctorat

EFICIENȚA PANOURILOR FOTOVOLTAICE INTEGRATE ÎN FAȚADELE VENTILATE DUBLU VITRATE ALE CLĂDIRILOR, Universitatea Tehnică "Gheorghe Asachi" din Iași, 2016.

B. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în țară la edituri recunoscute CNCSIS și în străinătate

1. **Hudișteanu S.V.**, Chereches N.C. (2026), *Instalații electrice fotovoltaice pentru clădiri*, 389 pag, Editura Universității Tehnice "Gheorghe Asachi" din Iași, ISBN 978-973-621-580-3.
2. R Polcovnicu, N Țăranu, **V-S Hudișteanu**, M Alexa, D Ungureanu (2026), *Sisteme de panouri fotovoltaice pentru acoperișuri cu pantă variabilă*, 239 pag, Ed. Universității Tehnice "Gheorghe Asachi" din Iași, ISBN 978-973-621-578-0.
3. **Hudișteanu S.V.**, Chereches N.C. (2025), *Instalații electrice de joasă tensiune – îndrumar de proiectare*, 232 pag, Editura Universității Tehnice "Gheorghe Asachi" din Iași, ISBN 978-973-621-566-7.
4. **Hudișteanu S.V.**, Chereches N.C. (2022), *Mașini și aparate electrice de joasă tensiune*, 232 pag., Editura Politehnium, Iași, ISBN 978-973-621-514-8.
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C. Lucrări științifice publicate în reviste și în volumele conferințelor indexate Web of Science

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6. Roșu, P.V., Alexandru, C.C., **Hudișteanu, S.**, Chereches, C., Turcanu, E., & Olaru, R. (**2025**). *Comparative Analysis of Energy Management Strategies in an Off-Grid Photovoltaic System with Storage and Active Load Control*. 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), 702-706. 10.1109/SIELMEN67352.2025.11260669

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23. N. C. Chereches, C. G. Popovici, V Cirlan, **S. V. Hudisteanu**, *Solar protection influence on dynamic insulation efficiency of* double *skin facades*, Sustainable Solutions for Energy and Environment (EENVIRO), Cluj Napoca, ROMANIA, 2018, E3S Web of Conferences, Volume 85, **2019**, doi:10.1051/e3sconf/20198504003

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30. C.-G. Popovici, **V. S. Hudișteanu**, *Numerical simulation of HVAC system functionality in a socio-cultural building*, 9th International Conference Interdisciplinarity in Engineering, INTER-ENG 2015, 8-9 October 2015, Tirgu-Mures, Romania, Procedia Technology, Volume 22, **2016**, Pages 535–542. doi:10.1016/j.protcy.2016.01.113

D. Lucrări științifice publicate în reviste indexate BDI (SCOPUS, EBSCO, DOAJ, etc.) și în volumele conferințelor indexate BDI

1. Alexa, M.; Țaranu, N.; **Hudișteanu, S.V.**; Chereches, N.C.; Hudișteanu, I., R A Polcovnicu, The Use of Artificial Intelligence in Evaluation of Heat Extracted from a PVT Panel. J. Phys. Conf. Ser. **2025**, 3071, 012014. DOI:10.1088/1742-6596/3071/1/012014.
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2. Enaru, I.; **Hudișteanu, V.S.**; Burlacu, A.; Chereches, N.C.; Țurcanu, F.E.; Hudișteanu, I. Impact of Storage Space Temperature Variations on Battery Efficiency for Photovoltaic Energy Systems. Journal of Physics: Conference Series **2025**, 3071, 1, DOI:10.1088/1742-6596/3071/1/012019
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3. Panduru, R.M.; Baran, I.; Țurcanu, E.F.; Dumitrescu, L.; **Hudișteanu, S.V.**; Chereches, N.C. Numerical Simulation of Gaseous Fluid Flow through Air Intake Diffuser Using ANSYS Fluent. J. Phys. Conf. Ser. **2025**, 3071, 012007, DOI:10.1088/1742-6596/3071/1/012007
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4. Gherasim, I.; Gălățanu, C.-D.; Bistriceanu, C.-E.; Țurcanu, F.-E.; Roșu, P.-V.; **Hudișteanu, V.-S.**; Luciu, R.-S. The Effect of Artificial Lighting Spectrum on Students' Concentration. In Proceedings of the 10th Conference on Lighting, Iași, Romania, **2025**, DOI: 10.1109/LIGHTING64836.2025.11081790
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5. Popovici, C.-G.; Țurcanu, E.-F.; Ciocan, V.; Chereches, N.-C.; **Hudișteanu, S.-V**. Assessing the Impact of Air Conditioning Systems on Aerosol Dispersion within Intensive Care Units. Rom. J. Civ. Eng. **2025**, 16. DOI: 10.37789/rjce.2025.16.
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20. F-E Turcanu, M Verdes, V Ciocan, C G Popovici, **S V Hudisteanu**, The indoor climate modelling and the economic analysis regarding the energetic rehabilitation of church, Technium: Romanian Journal of Applied Sciences and Technology, 1, pp 67-73, **2019**. DOI:10.47577/technium.v1i.116
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G. Premii, distincții

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Data: 01.10.2026 **Conf.univ.dr.ing. HUDIȘTEANU VALERIU-SEBASTIAN**