

**MAXIMIZING THE RENEWABLE ENERGY HOSTING
CAPACITY OF DISTRIBUTION NETWORKS, acronym MAREHC**

**Participarea la conferințe științifice internaționale pentru diseminarea
rezultatelor**

1. SINTEA S., PANAIT C., HNATIUC B., HNATIUC M., POMAZAN C., ***CONTROL ASPECTS CONCERNING DC/AC THREE PHASES SINUSOIDAL POWER INVERTER***, the 2026 IEEE Conference on Advanced Topics on Measurement and simulation (ATOMS), 13-15 May 2026, Technical University of Cluj-Napoca, Cluj-Napoca, Romania.
2. VASILESCU M-V., PANAITESCU M., PANAITESCU F-V., VOICU I., FAITER C., PANAIT C., ***STRATEGIC IMPLEMENTATION OF A HYBRID ENERGY MANAGEMENT SYSTEM FOR CRUISE VESSELS***, the 2026 IEEE Conference on Advanced Topics on Measurement and simulation (ATOMS), 13-15 May 2026, Technical University of Cluj-Napoca, Cluj-Napoca, Romania.
3. SIMION I., LAZAROIU G., PANAIT C., GRIGORIU M-R., NICULESCU A.E., ***ENERGY COMMUNITIES – A SOLUTION TO MAKE CONSUMPTION MORE EFFICIENT***, the 2026 IEEE Conference on Advanced Topics on Measurement and simulation (ATOMS), 13-15 May 2026, Technical University of Cluj-Napoca, Cluj-Napoca, Romania.
4. OSMAN M. G., PANAIT C., STREJOIU C.V., SIMION I., NICULESCU A.E., ***IMPACT ASSESSMENT OF HIGH-POWER EV CHARGING ON DISTRIBUTION TRANSFORMERS WITH INTEGRATED BATTERY ENERGY STORAGE***, the 2026 IEEE Conference on Advanced Topics on Measurement and simulation (ATOMS), 13-15 May 2026, Technical University of Cluj-Napoca, Cluj-Napoca, Romania.
5. BOSOC C.S., Adelaida HEIMAN A., CONSTANTIN A., ANDRONIC R., CONSTANTINESCU R.C., TAMAS R.D., ***A COMPARISON BETWEEN DIFFERENT MACHINE LEARNING APPROACHES FOR PATHLOSS PREDICTION AS A FUNCTION OF SCATTERER DENSITY***, the 2026 IEEE Conference on Advanced Topics on Measurement and simulation (ATOMS), 13-15 May 2026, Technical University of Cluj-Napoca, Cluj-Napoca, Romania.
6. OSMAN M. G., LAZAROIU G., STREJOIU C.V., PANAIT C., SIMION I., ***AI-BASED OPTIMIZATION OF HYDROGEN PRODUCTION AND STORAGE SYSTEMS***, la ISTINYE UNIVERSITY ISTAMBUL, Turkiye în perioada 10- 13 MAY 2026.
7. SINTEA S., HNATIUC B., PANAIT C., POMAZAN C., HNATIUC M., ***COMPARATIVE STUDY BETWEEN PRIMARY ELECTRICAL ENERGY STORAGE DEVICES***, 2025 6th International Conference on Communications, Information, Electronic and Energy Systems (CIEES) 26 – 28 November, 2025, Ruse, Bulgaria.
8. STREJOIU CV., LAZAROIU G., OSMAN M. G., PANAIT C., LEHTONEN M., ***EVALUATING THE IMPACT OF TEMPERATURE ON PHOTOVOLTAIC EFFICIENCY USING PVCASE SOFTWARE***, Proceedings of 25th International Multidisciplinary Scientific Geo Conference SGEM 2025, Proceedings Paper, DOI 10.5593/sgem2025v/4.2/s16.07, ISSN 1314-2704 ISBN 978-619-7603-93-4, Volume 25, Issue 4.2, Viena, 03-06 December 2025.
9. OSMAN M. G., LAZAROIU G., SIMA O., STREJOIU CV., LEHTONEN M., ***MODELING AND SIMULATION OF A 300 V LI-ION BATTERY SYSTEM WITH A DC MACHINE AND VARIABLE LOAD***, Proceedings of 25th International Multidisciplinary Scientific Geo Conference SGEM 2025, Proceedings Paper, DOI:10.5593/sgem2025v/4.2/s16.13, ISSN 1314-2704 ISBN 978-619-7603-93-4, Volume 25, Issue 4.2, Viena, 03-06 December 2025.

10. SINTEA S., and , ***SWITCHING ASPECTS CONCERNING POWER VOLTAGE STABILIZER CIRCUITS***, SGEM INTERNATIONAL SCIENTIFIC CONFERENCES ON EARTH & PLANETARY SCIENCES, ISSN: 1314-2704, ISBN: 978-619-7603-78-1, Viena, 03-06 December 2025.
11. NEDELICU A-T., PANAITESCU F-V., PANAITESCU M., NITA CM., FAITAR C., ***STUDY ON THE DEVELOPMENT OF OFFSHORE WIND FARMS ON THE BLACK SEA COAST***, SGEM INTERNATIONAL SCIENTIFIC CONFERENCES ON EARTH & PLANETARY SCIENCES, ISSN: 1314-2704, ISBN: 978-619-7603-78-1, Viena, 03-06 December 2025.
12. VOICU I., ACOMI N., PANAITESCU F-V., PANAITESCU M., ***A SIMULATION-BASED ASSESSMENT OF COST EFFECTIVENESS OF ONSHORE POWER SUPPLY UNDER THE EU ETS FRAMEWORK***, SGEM INTERNATIONAL SCIENTIFIC CONFERENCES ON EARTH & PLANETARY SCIENCES, ISSN: 1314-2704, ISBN: 978-619-7603-78-1, Viena, 03-06 December 2025.
13. OSMAN M. G., LAZAROIU G., POPESCU L.G., CIUCUR V.V., ***ELECTRIC VS. HYDROGEN VEHICLES: A COMPARATIVE ANALYSIS FOR SUSTAINABLE MOBILITY***, XXVth International Multidisciplinary Scientific GeoConference Surveying, Geology and Mining, Ecology and Management – SGEM 2025, Proceedings of 25th International Multidisciplinary Scientific GeoConference SGEM 2025, ISSN 1314-2704 ISBN [978-619-7603-83-5](https://doi.org/10.5593/sgem2025/4.1/s16.08), Volume 25, Issue 3.1, <https://doi.org/10.5593/sgem2025/4.1/s16.08>, Issue 10.5593/sgem2025/4.1, Albena 28 Jun - 7 Jul, 2025.
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19. Gheorghe LazaroIU, Cristian Valentin Strejoiu, Mohammed Gmal Osman, Cornel Panait, Dorel Stoica, ***INCREASING THE ENERGY EFFICIENCY AND ECONOMIC VIABILITY OF A PHOTOVOLTAIC PARK IN CRAIOVA***, paper ID: #65, 9th International HYDROGEN TECHNOLOGIES Congress, Dokuz Eylul University, Izmir, Turkiye 25- 28 MAY 2025.

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