



ROMÂNIA
MINISTERUL EDUCAȚIEI
UNIVERSITATEA DIN CRAIOVA
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Rezultate valorificare cercetare program ISE 2020-2025

RESPONSABIL PROGRAM STUDII LICENȚĂ
ISE,

Conf.dr.ing. Denisa RUȘINARU

UNIVERSITATEA DIN CRAIOVA

Facultatea de Inginerie Electrică

Domeniul de licență: Inginerie Energetică

Programul de studiu: Ingineria Sistemelor Electroenergetice

**Rezultate valorificare cercetare program ISE
2020-2025**

Nr. crt.	Teme de cercetare științifică de la obținerea autorizării provizorii, inclusiv anul care precede evaluarea externă în vederea acreditării (datele suport ale centralizatorului se prezintă în formatul electronic de raportare anuală la CNCSIS)	Modul de finanțare *	Rezultate și modalități de valorificare a cercetării		
			Valoare realizată		Lucrări, publicații, granturi, alte produse ale cercetării **
			An univ.	lei	
1	Integrarea surselor regenerabile de energie în sistemele energetice actuale	Granturi, proiecte de cercetare	2020-2021 2021-2022 2022-2023 2023-2024 2024-2025	95589,00 124734,00 120778,00 124550,00 169852,00	14 contracte 40 lucrări ISI BDI 2 lucrări reviste și conferințe 3 cărți

Nr. crt.	Teme de cercetare științifică de la obținerea autorizării provizorii, inclusiv anul care precede evaluarea externă în vederea acreditării (datele suport ale centralizatorului se prezintă în formatul electronic de raportare anuală la CNCSIS)	Modul de finanțare *	Rezultate și modalități de valorificare a cercetării		
			Valoare realizată		Lucrări, publicații, granturi, alte produse ale cercetării **
			An univ.	lei	
2	Rețele electrice inteligente	Granturi, proiecte de cercetare	2020-2021 2021-2022 2022-2023 2023-2024 2024-2025	2910520,40 121763,40 228929,30 78899,00 65570,50	1 grant 9 contracte 34 lucrări ISI BDI 2 lucrări reviste și conferințe 2 cărți
3	Soluții moderne de conducere, control, monitorizare și transmitere a datelor în sistemele energetice	Granturi, proiecte de cercetare	2020-2021 2021-2022 2022-2023 2023-2024 2024-2025	73316,00 1798504,00 83521,00 106653,65 159459,45	1 grant 10 contracte 26 lucrări ISI BDI 4 lucrări reviste și conferințe 4 cărți
Rezultate – sintetic			6.262.640 lei		2 granturi 33 contracte 100 lucrări ISI BDI 8 lucrări reviste și conferințe 9 cărți

* Contract, grant, plan intern, colaborare etc.

** Se indică numărul pe tipuri și se anexează lista acestora.

D1. INTEGRAREA SURSELOR REGENERABILE DE ENERGIE IN SISTEMELE ENERGETICE ACTUALE

Contracte cu terți

1. Serviciul de validare conformitate unități generatoare, beneficiar Distribuție Oltenia SA, 2020-2026, 283050,00 lei
2. Audit Energetic privind reducerea pierderilor tehnice in Liniile de 110 kV aferente zonei de licenta Distributie Energie Oltenia, prin studierea circulatiilor de puteri si optimizarea schemelor normale de functionare, in functie de productia de energie electrica a parcurilor fotovoltaice si productia de energie electrica în CHE-uri, 17C/04.12.2023, 2023-2024, 60689,00 lei
3. Audit energetic în vederea reducerii pierderilor interne din rețeaua electrică de MT și IT a parcului eolian Fantanele Est, 2C/25.01.2022, 2022, 47481,00 lei
4. Audit energetic în vederea reducerii pierderilor interne din rețeaua electrică de MT și IT a parcului eolian Cogeașlac – Gradina, 3C/25.01.2022, 2022, 47481,00 lei
5. Audit energetic în vederea reducerii pierderilor interne din rețeaua electrică de MT și IT a parcului eolian Fantanele Vest , 4C/25.01.2022, 2022, 47481,00 lei
6. Asistenta tehnica si elaborarea documentatiilor in vederea omologarii Unitatii de Combatere a Caderilor de Grindina Oltenia, 217/11.06.2020, 2020, 2039 lei
7. Studiu de fezabilitate pentru Grupul de Combatere Movileni (Olt) din cadrul Centrului Zonal de Coordonare Muntenia, 7C/08.09.2022 UCV, 2022, 4373 lei
8. Servicii de consultanță în domeniul energiei electrice respective elaborare audit energetic complex pentru stația de epurare Cerât, CLC: 51701794 și stația de epurare Filiași, CLC: 51673392, 8C/24.03.2022, 17826,00 lei
9. Efectuarea auditului energetic pentru cazanul de apa calda de la Centrala termica-sectia 320, Beneficiar Pirelli Tyers Romania SRL, 8/07.06.2024, 2022-2024
10. Asistenta tehnica si elaborarea documentatiilor, conform conform programului de omologare al Unitatilor de Combatere a Caderilor de Grindina, din cadrul SNACP, 10C/07.06.2023, 2023, 23426 lei
11. Audit Energetic privind impactul prosumatorilor si a cresterii/scaderii nivelului de tensiune asupra pierderilor tehnice in retelele de joasa tensiune, Beneficiar Distribuție Energie Oltenia S.A., UCV 16C/13.12.2024, 2024-2025, 69913 lei
12. Raport de monitorizare privind funcționalitatea sistemului de panouri fotovoltaice și a stațiilor de încărcare pentru vehiculele electrice, Beneficiar SC Taverna Drobeta 2007 SRL, 11C/22.07.2024, 2024, 2000 lei
13. Audit energetic complex pentru consumatorii energetici din ICMET-Craiova, Beneficiar ICMET Craiova., 6C/02.06.2025, 27953 lei
14. Servicii de consultanță în domeniul energiei electrice respective elaborare audit energetic complex pentru: Stație Pompare Ape Uzate Interceptor Râului, Craiova , CLC 51547219" și pentru Stația de Pompare Apă Seaca de Câmp, Dolj, 25/01.04.2025, 29512 lei

Lucrări ISI BDI

1. D. Rusinaru, M. P. Mircea, C. G. Buzatu, L. G. Mănescu and C. Bratu, "Integration of Electric Vehicles Charging Infrastructure with Renewable Energy Sources in Urban Environments: Modeling and Optimization Perspectives," 2024 IEEE International Conference on Electrical Systems for Aircraft, Railway, Ship Propulsion and Road Vehicles & International Transportation Electrification Conference (ESARS-ITEC), Naples, Italy, 2024, pp. 1-6, doi: 10.1109/ESARS-ITEC60450.2024.10819773.
2. D. Rusinaru; P.M. Mircea; G.C. Buzatu. Power Quality Impact of Electric Buses' Charging. 2023 Power Quality and Electromagnetic Compatibility at Low Frequency (PQEMC-LF), 10.1109/PQEMC-LF58184.2023.10211420.
3. M. Digă, N. Digă, C. Bratu, P. Nicolescu, G. Vochescu, "Considerations for measuring the electromagnetic interference of LEDs projectors with the supply electrical network", in Proceedings of 2020 Fifth Junior Conference on Lighting (Lighting 2020 Online), 24-26 September 2020, Ruse, Bulgaria, pp. 1-4, <https://conference.nko.bg/conference/>, technically

- cosponsored by IEEE Xplore (#47792), DOI: 10.1109/Lighting47792.2020.9240594, Electronic ISBN: 978-1-7281-9963-4, CD: 978-1-7281-9962-7, Print on Demand(PoD) ISBN:978-1-7281-9964-1, <https://ieeexplore.ieee.org/document/9240594> (ISI).
4. Stability and Control Problems in Hydropower Plants, *2020 21th International Carpathian Control Conference (ICCC)*, 27-29 October, 2020, High Tatras, Slovakia, 2020, pp. 1-5, doi: 10.1109/ICCC49264.2020.9257294, Electronic ISBN:978-1-7281-1951-9 [IEEE Xplore **INSPEC Accession Number:** 20194353]
 5. Danciu Daniela, Popescu D., Răsvan V. (2020). Stability of Surge Tanks in the Hydroelectric Power Plants - Structures and Problems, 2020 24rd International Conference on System Theory, Control and Computing (ICSTCC), 8-10 Oct. 2020, pp. 398-403, ISSN: 2372-1618, doi: 10.1109/ICSTCC50638.2020.9259788 [ISI Proc., WOS:000646582900067, IEEE Xplore]
 6. D. Rusinaru; P.M.Mircea; G.C. Buzatu. Miron Alba, s.a. Assessment of Prosumer Photovoltaic Installation Impact on Voltage Variations in Low-Voltage Networks, 22nd SGEM International Multidisciplinary Scientific GeoConference 2022, <http://dx.doi.org/10.5593/sgem2022V/4.2/s17.63>
 7. Digă, S. M., Digă, N., Mircea, P. M., Nicolae, M. Ș., Pătru, I., Dinu, R. C. “Considerations on Electromagnetic Disturbances Produced by LEDs Light Sources”, in Proceedings of The First Workshop of the 2023 Power Quality and Electromagnetic Compatibility at Low Frequency (PQEMC-LF), 28-30 June 2023, Craiova, Romania, DOI: 10.1109/PQEMC-LF58184.2023.10211262, Electronic ISBN:979-8-3503-4133-1, Print on Demand(PoD) ISBN:979-8-3503-4134-8, <https://ieeexplore.ieee.org/document/10211262>
 8. Voicu, V., Dina, L.A., Mircea, P.M., Dumbrava, I., “Magnetic and Electric Field Measurement Experiments”, Power Quality and Electromagnetic Compatibility at Low Frequency - PQEMC-LF, 28-30 June 2023, Craiova, Romania, DOI: 10.1109/PQEMC-LF58184.2023.10211641, Electronic ISBN:979-8-3503-4133-1, Print on Demand (PoD) ISBN:979-8-3503-4134-8.
 9. Digă, S. M., Digă, N., Mircea, P. M., Pătru, I., Nicolae, M. Ș., Mircea, I. “Considerations on Electromagnetic Disturbances Appearing in Electrical Energy Smart Metering Systems”, in Proceedings of The 18-th International Conference on Electrical Machines, Drives and Power Systems ELMA 2023, June 29 - July 1 2023, Varna, Bulgaria, Technically Co-sponsored by IEEE (conference record 58392X), DOI: 10.1109/ELMA58392.2023.10202538, Electronic ISBN: 979-8-3503-1127-3, USB ISBN: 979-8-3503-2810-3, Print on Demand (PoD) ISBN: 979-8-3503-1128-0, <https://ieeexplore.ieee.org/document/10202538>.
 10. Diga, S.M., Navrapescu, V., Diga, N., Bratu, C., Mircea,P.M., „Considerations on the Harmonic Regime Produced by the Faults Appeared in the Medium Voltage Networks with the Neutral Treated by Extinguishing Coil”, 2021 International Conference on Applied and Theoretical Electricity (ICATE), May 27-29, 2021, Craiova, Romania, ISSN 2376-4163, ID 63, DOI 10.1109/ICATE49685.2021.9465063.
 11. Buzatu, G.,C., Mircea,P.M., Bratu, C., Ursu, D., Butoarca, I.E., Chera, G., „Possibilities to Improve Energy and Economic Efficiency for an Overhead Transformer Station and Related Network”, 2021 International Conference on Applied and Theoretical Electricity (ICATE), May 27-29, 2021, Craiova, Romania, ISSN 2376-4163, ID 109, DOI 10.1109/ICATE49685.2021.9465012.
 12. Digă, S. M., Digă, N., Mircea, P. M., Pătru, I., Radu, E. D., “Considerations for Some Immunity Tests to the Disturbances to Which LED Luminaires Are Subjected”, 2021 Sixth Junior Conference on Lighting, 23-25 September 2021, Gabrovo, Bulgaria, <https://conference.nko.bg/>, IEEE (conference record #49406), DOI: 10.1109/Lighting49406.2021.9599043, Electronic ISBN: 978-1-6654-3792-9 CD: 978-1-6654-3791-2 Print on Demand (PoD) ISBN:978-1-6654-3793-6, <https://ieeexplore.ieee.org/document/9599043>.
 13. L. Mandache, A. Marinescu, I. Dumbrava, A High Frequency Current Transformer With Improved Low Frequency Current Capability, *Revue roumaine des sciences techniques-serie electrotechnique et energetique*, ISSN 0035-4066, Jan-Jun 2020, Vol. 65, Issue 1-2, pp. 53-59.
 14. L.G. Mănescu, D. Rușinaru, C. Buzatu, L. Mandache, A. Băndoi, C. Sitnikov, C. Popîrlan, C.M. Negrilă, C.G. Bocean, Smart Storage and Grid Services Based on Removable Modular Batteries for EV, 2021 International Conference on Applied and Theoretical Electricity (ICATE), Craiova, Romania, 2021, pp. 1-6.

15. L. Mandache, A. Marinescu, A Ferrite Round Rod WPT Coupler for Power Supply of Medium Voltage Devices, 2021 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, Romania, 2021, pp. 1-7.
16. L. Mandache, A. Marinescu, I.G. Sirbu, Lumped Circuit Model of High-Frequency Power Transformers for Time-Domain Analysis, 2020 7th International Conference on Energy Efficiency and Agricultural Engineering (EE&AE), Ruse, Bulgaria, 2020, pp. 1-4.
17. L. Mandache, A. Marinescu, I.-G. Sirbu, "Lumped Circuit Model of High-Frequency Power Transformers for Time-Domain Analysis", 2020 7th International Conference on Energy Efficiency and Agricultural Engineering (EE&AE), 12th - 14th November, 2020, Ruse, Bulgaria, p.1-4 (IEEEExplore, Scopus).
18. Marin, I., Mircea, P.M., Ciontu, M., Mircea, I., Buzatu, C.G. Study of Overvoltages at the Extinguishing Coil Disconnection from Medium Voltage Networks in Stabilized Earthing Regime, 2021 INTERNATIONAL CONFERENCE ON APPLIED AND THEORETICAL ELECTRICITY (ICATE)
19. Nicola, M., Ciontu, M., Ivanov, S. Improved Control Strategy of Unified Power Quality Conditioner Using Fractional Order Controller and Particle Swarm Optimization, 2021 INTERNATIONAL CONFERENCE ON APPLIED AND THEORETICAL ELECTRICITY (ICATE)
20. Marin, I., Ursu, D., Ciontu, M., Mircea, P.M., Rusinaru, D., Mircea, I., "Influence of MV Networks' Distributed Neutral Grounding on the Homopolar Directional Current Protection", 2022 International Conference and Exposition on Electrical and Power Engineering (EPE), 20-22 Octombrie 2022, Iasi, Romania. IEEEExplore, 301-306, ISBN 978-1-6654-8994-2/22, DOI: 10.1109/EPE56121.2022.9959814, ISSN: 2644-223X ,
21. Marin, I., Ursu, D., Mircea, P.M., Ciontu, M., Mircea, I., "Study of Overvoltages Due to Single Phase Defects in Networks with Insulated Neutral and Shunt Breaker", 2022 IEEE 20th International Power Electronics and Motion Control Conference (PEMC), 25-28 Septembrie 2022, Brasov, Romania. IEEEExplore, pg 143-149, ISSN: 2473-0165, DOI:10.1109/PEMC51159.2022.9962932, INSPEC Accession Number: 22336313.
22. Diga, S.M., Patru, I., Diga, N., Mircea, P.M., Mircea, I., "Aspects of Photometric Calculation and Monitoring of Parameters Related to an Interior Lighting Installation", Proceedings of Seventh Junior Conference on Lighting (Lighting 2022 Conference), 19-21 September 2022, Sozopol, Bulgaria, DOI:10.1109/Lighting56379.2022.9929029, <https://ieeexplore.ieee.org/document/9929029>.
23. Marin, I., Mircea, P.M., Ursu, D., Bratu, C., Butoarca, I.E., Mircea, I., „Influence of the single-phase fault passing resistance on the shunt breaker technical efficiency”, International Conference on Electromechanical and Energy Systems SIELMEN, Craiova, Romania & Chisinau, Republica MOLDOVA, 11-13 October 2023, pp. 1- 6, DOI: 10.1109/SIELMEN59038.2023.10290736, Electronic ISBN: 979-8-3503-1524-0, Print on Demand (PoD) ISBN: 979-8-3503-1525-7.
24. Danciu Daniela, Popescu D., Răsvan V. (2023). Water Hammer Stability for a Hydroelectric Plant with Local Nonlinear Hydraulic Losses, 2023 European Control Conference (ECC), June 13-16, 2023. Bucharest, Romania, eISBN: 978-3-907144-08-4, pp. 1-6, doi: 10.23919/ECC57647.2023.10178313. [ISI, WOS:001035589000198, IEEE Xplore]
25. Voicu, V., Dina, L.A., Dumbrava, I., Mircea, P.M., Fieraru, I., "Experiments on the Measurement of the Electromagnetic Field", International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, Chisinau, Republica MOLDOVA, 11-13 October 2023, pp. 1-6, DOI: 10.1109/SIELMEN59038.2023.10290854, Electronic ISBN: 979-8-3503-1524-0, Print on Demand (PoD) ISBN: 979-8-3503-1525-7.
26. A.M. Duinea, F.E. Stan Ivan, „Technical-economic analysis of the solution for modernizing low voltage distribution electrical networks”, JOURNAL OF SUSTAINABLE ENERGY VOL. 12, NO. 1, JUNE, 2021, pag. 34-39, ISSN 2067-5534 © 2021 JSE
27. A.M. Duinea, F.E. Stan Ivan, „Solution for modernizing the public street lighting system with LED type lamps and remote management”, JOURNAL OF SUSTAINABLE ENERGY VOL. 12, NO. 2, JUNE, 2021, pag. 71-76, ISSN 2067-5534 © 2021 JSE
28. Danciu Daniela, D. Popescu and V. Răsvan. (2022). "On the Stability Models for the Surge Tanks in Hydraulic Plants," 2022 23rd International Carpathian Control Conference (ICCC),

- 2022, pp. 208-214, doi: 10.1109/ICCC54292.2022.9805945, Publisher IEEE, Electronic ISBN: 978-1-6654-6636-3. [ISI Proc, WOS: 000925203600037, IEEE Xplore]
29. Manolea G., Novac A., Alboteanu L., Cerban G., Novac M., Contributions regarding the realization of a drive system for winding thin rubber bands, ANNALS of Faculty Engineering Hunedoara – International Journal of Engineering Tome XX [2022] | Fascicule 3 [August], ISSN: 2601-2332 (online, all four fascicules) ISSN-L: 1584-2665, Indexat: Index Copernicus
 30. Alboteanu, I.L. and Militaru A.C., Small Scale Model of Heating, Ventilation and Air Conditioning System, Procc. of 2021 International Conference on Applied and Theoretical Electricity (ICATE), MAY 27-29, 2021, ISSN2376-4163, WOS:000709089900014
 31. Mihăiță Lincă, Constantin Vlad Suru, Mihaela Popescu, Alexandru Bitoleanu and Cristian Bratu, The Implementation of Quasi-Oriented Rotor Field Control Algorithm for Induction Motor Traction Systems, Annals of the University of Craiova, Electrical Engineering series, No. 48, Issue 1, 2024; ISSN 1842-4805 eISSN 2971-9852, DOI: 10.52846/AUCEE.2024.02
 32. Mihaita Linca, Ion Popa, Constantin Vlad Suru and Florin Ravigan, Comparative Performance Analysis of Photovoltaic Power Plants – a Case Study, Annals of the University of Craiova, Electrical Engineering series, No. 47, Issue 1, 2023; ISSN 1842-4805 eISSN 2971-9852, DOI: 10.52846/AUCEE.2023.10
 33. M. Linca, I. Popa, C. V. Suru and F. Ravigan, "Comparative Analysis of Performances of Photovoltaic Power Plants," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-6, doi: 10.1109/SIELMEN59038.2023.10290833.
 34. Digă, S.-M., Digă, N., Mircea, P.M., Pătru, I., Bratu, C., Dina, L.-A., “Considerations on Forecasting the Production of Photovoltaic Parks in Operation”, 2025 ATEE 14th International Symposium on Advanced Topics in Electrical Engineering.
 35. M.I. Neacă, Solar Tracking System for Several Groups of Solar Panels, 2021 International Conference on Applied and Theoretical Electricity (ICATE), May 2021, Craiova, Romania IEEE: DOI: 10.1109/ICATE49685.2021.9465057 (<https://ieeexplore-ieee-org.am.e-nformation.ro/document/9465057>)
 36. Radu Cristian Dinu, Felicia Elena Stan Ivan, Adelaida Mihaela Duinea, Florin Ravigan, Modeling and Simulation of the Variation of the Thermal Flux Yielded by a Medium Temperature Radiant Panel Using Matlab - Simulink, 2024 International Conference on Applied and Theoretical Electricity, ICATE 2024, 24-26 october 2024, Craiova, DOI: 10.1109/ICATE62934.2024.10749409, <https://ieeexplore.ieee.org/document/10749409>
 37. Radu Cristian Dinu, Felicia Elena Stan Ivan, Gabriel Cosmin Buzatu, Comparative Analysis Concerning the Use of the Thermal Potential of Combustion Gases in Industrial Cogeneration Systems, Analele Universității din Craiova, seria Inginerie Electrică, Nr. 48, Volumul 1, 2024, ISSN 1842-4805, <https://journals.indexcopernicus.com/search/details?id=769>
 38. Duinea Mihaela-Adelaida, Stan-Ivan Felicia-Elena, Dinu Radu-Cristian, Mărgineanu Alina-Daniela, Andreea Maria Neacă „Operational Scenarios for Power Plants in the Context of Reducing the Use of Solid Fuel”, 2025, International Conference on Electromechanical and Energy Systems, SIELMEN 2025, 16-17 october 2025
 39. Stan-Ivan Felicia-Elena, Duinea Mihaela-Adelaida, Dinu Radu-Cristian, Buzatu Gabriel-Cosmin, Bratu Cristian, Mircea Paul-Mihai, „Analizing the impact of cooling systems on the performance of fotovolatic panels”, 2025, International Conference on Electromechanical and Energy Systems, SIELMEN 2025, 16-17 october 2025
 40. Stan-Ivan, F., E., Dinu, R.C., Duinea, A., M., „Modeling and Simulation of Unit Heat Flux and Temperatures for a Multilayer Wall Using Ansys”, 2024 International Conference on Applied and Theoretical Electricity, ICATE 2024, 24-26 october 2024, Craiova, DOI: 10.1109/ICATE62934.2024.10748633, <https://ieeexplore.ieee.org/document/10748633>

Lucrări reviste și conferințe

1. Rusinaru,D., Mircea,P.M., Buzatu, G.C., Manescu, L.G., Alba, M., “Assessment of prosumer photovoltaic installation impact on voltage variations in low-voltage networks”, SGEM 22 International Scientific Conferences on Earth & Planetary Sciences Extended Scientific

Sessions „Green Sciences for Green Life “SCHÖNBRUNN Palace, Vienna, 6 - 9 December, 2022.

2. Marin, I., Mircea, P.M., Butoarca, I.E., Ursu, D., Popescu, F., Mircea, I., “Technical efficiency of the shunt breaker in case of a single-phase fault close to the power transformation station”, International Conference on Applied Mathematics & Computer Science - ICAMCS 2023, 8-10 August, Lefkada Island, Greece, IEEE Catalog Number: CFP23T98-ART, ISBN: 979-8-3503-2426-6

Cărți, capitol de cărți

1. Coordonator Fota Constantin, Competitivitatea Olteniei- trecut, prezent, perspective-studiu interdisciplinar, Manolea Gh. Alboteanu I.L., Marinescu S., Bratu C., Cap. 2 Eficiența energetică a sistemelor fotovoltaice cu destinații particulare, Ed. Universitaria Craiova 2022, ISBN 978-606-14-1872-5, pg. carte -129, pg. cap.- 26.
2. Editors: Lazaroiu, G.C., Roscia, M., Dancu. V.S., *Energy Transition Holistic Impact Challenge (Ethic): A New Environmental And Climatic Era*, Chapter 16 - **Mircea, P.M.**, Editura Springer, eBook ISBN 978-3-031-55448-3.
3. **Dinu, R., C.**, Bratu, C., *Aplicații în energetică*, Editura AGIR, București, 2023, ISBN: 978-973-720-900-9 (336 pagini)

D2. REȚELE ELECTRICE INTELIGENTE

Granturi

1. Acțiuni ITN Horizon 2020 ”European Training network Of PhD researchers on Innovative EMI analysis and power Applications: ETOPIA, 2020-2024, 409524 lei

Contracte cu terți

1. Servicii de consultanță în domeniul energiei electrice respectiv elaborare audit energetic complex pentru Puțuri Captare nr.1-4 Dăbuleni, CLC 50245309” și pentru Stația de pompare Ape Pluviale Calafat CLC 50137506, 6C/29.02.2024, 13328,00 lei
2. Servicii de consultanță în domeniul energiei electrice respectiv elaborare audit energetic complex pentru Stația de apă Gioroc I – CLC 50236446 și Stația de Epurare Bechet - CLC 51691571, 4C/15.03.2023, 19575,00 lei
3. Audit energetic complex in cadrul societatii Uzina Mecanica Sadu S.A, 7C/26.04.2023, 29631,00 lei
4. Parteneriate pentru transfer de cunostinte, cercetare tehnologica si aplicata pentru solutii inovative de sisteme inteligente destinate cresterii eficientei energetice, 76/08.09.2016, 2016-2021, 2031620 lei
5. Sistem de tractiune inteligent, eficient energetic pentru noi generatii de masini feroviare usoare, 59/05.09.2016, 2016-2021, 774250 lei
6. Cercetari privind parametri electrici si mecanici ai cablurilor sertizate utilizate in constructia generatoarelor electrice, 28C/22.11.2019, 2019-2021
7. Cercetari privind determinarea experimentală a parametrilor electrici si mecanici ai cablurilor sertizate utilizate in constructia locomotivelor electrice, 16.09.2020, 2020-2022
8. Cercetari privind determinarea experimentală a parametrilor electrici si mecanici ai cablurilor sertizate utilizate in constructia locomotivelor electrice, 20C/24.10.2022, 2022-2024, 7068.6 lei
9. Cercetari privind parametri electrici si mecanici ai cablurilor sertizate utilizate in constructia generatoarelor electrice, 7C/03.03.2022, 2022-2024, 98270.2 lei

Lucrări ISI BDI

1. C. Bazavan, H. Roibu, S.I. Cismaru, Daniela Rosca, N.G. Bizdoaca, 2022, Design of a new sensor architecture for mechatronic systems interconnected with virtual environments, 11th

- Mediterranean Conference on Embedded Computing (MECO), Montenegro, pp 504-509, IEEE Catalog Number CFP2239T-ART, ISBN 978-1-6654-6828-2, ISSN 2637-9511
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