

Concurs pentru ocuparea postului poz. 6, de Profesor,
 Departamentul de Energetică,
 Facultatea Inginerie Electrică, Energetică și Informatică Aplicată,
 Disciplinele: Transportul și distribuția energiei electrice II
 Transportul și distribuția energiei electrice,
 Domeniul Energetică,
 Post publicat în Monitorul Oficial al României Partea a III-a nr. 1242 din 03.XII.2021

LISTA DE LUCRĂRI

Candidat: Neagu C. Bogdan Constantin - **Dr./** din 2014, Șef de lucrări / din 2014

1° Teza de doctorat

Contribuții la optimizarea structurii și regimurilor de funcționare ale rețelelor de repartitie și distribuție a energiei electrice, Domeniul: Inginerie Electrică, Data sustinerii 10.01.2014, Conducător științific: Prof. dr. ing. Mircea Dan GUȘĂ

2° Cărți/ cursuri/ manuale publicate în edituri recunoscute din țară sau din străinătate (Ca1, Ca2 etc.), îndrumare publicate/culegeri de probleme (I1, I2 etc.), sisteme de laborator funcționale etc. (D1, D2 etc.) cursuri proprii pe Web, sisteme e-learning etc. (W1, W2 etc.), după caz, precum și alte lucrări (M1, M2 etc.) prin care se aduc contribuții la dezvoltarea activităților didactice/ profesionale.

Ca	Carte/ curs/ manual publicată în editură recunoscută CNCS (unic/ prim autor sau co-autor)	Punctaj
	Ca1. Bogdan-Constantin Neagu , Transportul și Distribuția Energiei Electrice, Suport de curs (prezentari PowerPoint), 284 pag. www.bogdan-neagu.ieceia.tuiasi.ro/didactic/tdee	14.2
	Ca2. Bogdan-Constantin Neagu , Gheorghe Georgescu, Strategia planificării sistemelor de distribuție, vol. 1, Edit. PIM, Iași, Romania, 2017, ISBN 978-606-13-3994-5, 290 pag.	14.5
	Ca3. Bogdan-Constantin Neagu , Strategia planificării sistemelor de distribuție, vol. 2, Editura PIM, Iași, Romania, 2018, ISBN 978-606-13-4696-7, 264 pag.	13.2
	Ca4. Bogdan-Constantin Neagu , Management energetic Gestiunea Energiei, 420 pag, (http://www.efen.ieceia.tuiasi.ro/curs_manager):	21
	Ca5. Bogdan-Constantin Neagu , Management energetic Audit Termoelectric, 364 pag, (http://www.efen.ieceia.tuiasi.ro/curs_manager):	18.2
	Ca6. Bogdan-Constantin Neagu , Management energetic Audit Electroenergetic, 383 pag, (http://www.efen.ieceia.tuiasi.ro/curs_manager):	19.15
I	Indrumar/ culegere de probleme (publicat sau disponibil pe Web)	
	I1. Bogdan-Constantin Neagu , Transportul și distribuția energiei electrice II. Lucrări de laborator bazate pe simulări software, Editura PIM, Iași, Romania, 2021, ISBN 978-606-13-5340-8.	10
	I2. Bogdan-Constantin Neagu , Transportul și distribuția energiei electrice, Elemente constructive ale rețelelor electrice, Editura PIM, Iași, Romania, 2020, ISBN 978-606-13-5340-8.	11.44
	I3. Bogdan-Constantin Neagu , Transportul și distribuția energiei electrice. Lucrări practice de laborator, Publicare online, Iași, 2018, www.bogdan-neagu.ieceia.tuiasi.ro/aplicatii (346 pag).	13.84
	I4. Bogdan-Constantin Neagu , Transportul și distribuția energiei electrice. Analiza asistată de calculator, Publicare online, Iași, 2018, www.bogdan-neagu.ieceia.tuiasi.ro/soft (234 pag).	9.36
D	Sisteme de laborator funcționale	
	D1. Bogdan-Constantin Neagu , Calculul regimului permanent utilizând metoda tensiunilor nodale (soft C#).	1
	D2. Bogdan-Constantin Neagu , Modelarea consumatorilor din nodurile sistemelor de distribuție a energiei electrice (soft Matlab).	1
	D3. Bogdan-Constantin Neagu , Determinarea configurației optime ale rețelelor	1

	electrice de distribuție arborescente (soft C#).	
	D4. Bogdan-Constantin Neagu , Optimizarea traseelor rețelelor de distribuție utilizând teoria grafurilor (soft C#).	1
	D5. Bogdan-Constantin Neagu , Monitorizarea sarcinilor electrice prin utilizarea contoarelor inteligente (soft LabView).	1
	D6. Bogdan-Constantin Neagu , Calculul indicatorilor caracteristici ai curbelor de sarcină (soft C#).	1
	D7. Bogdan-Constantin Neagu , Calculul pierderilor de putere și energie în rețelele de distribuție (soft Delphi).	1
	D8. Bogdan-Constantin Neagu , Determinarea parametrilor caracteristici ai regimului deformant (soft C#).	1
	D9. Contribuție la dotarea laboratoarelor (calculatoare, kit fotovoltaic, aparate de măsură, lampi și prize inteligente) între anii 2016-2020 aprox. 60650 lei (12130 Euro)	17.32
W	Utilizarea sistemelor de predare/ învățare/ evaluare de tip e-learning/ on-line/ multimedia etc.	
	W1. Bogdan-Constantin Neagu , <i>Transportul și distribuția energiei electrice. Lucrări practice de laborator</i> , Suport de studii pentru laborator (format electronic pdf) (346 pag), disponibil web: www.bogdan-neagu.iecea.tuiasi.ro/aplicatii	3.46
	W2. Bogdan-Constantin Neagu , <i>Transportul și distribuția energiei electrice. Analiza asistată de calculator</i> , Publicare online, Iași, 2018, www.bogdan-neagu.iecea.tuiasi.ro/soft (234 pag).	2.34
	W3 Bogdan-Constantin Neagu , <i>Transportul și Distribuția Energiei Electrice, Note de curs (.pptx)</i> , 284 pag, (www.bogdan-neagu.iecea.tuiasi.ro/didactic/tdee)	2.84
TOTAL		178.85

3^o Cărți/ capitole cărți de specialitate publicate în edituri recunoscute din țară sau din străinătate (Cb1, Cb2 etc.), articole/ studii publicate în reviste din țară/ străinătate, cu factor de impact/ indexate în BDI/ neindexate în BDI (R1, R2 etc.), brevete de invenție (B1, B2 etc.), creații artistice prezentate la manifestări recunoscute din țară/ străinătate (A1, A2 etc.), articole/ studii publicate în volumele manifestărilor științifice naționale/ internaționale indexate BDI/ neindexate BDI (V1, V2 etc.), după caz, precum și alte lucrări (N1, N2 etc.) prin care se aduc **contribuții științifice la dezvoltarea domeniului**.

	Carte de specialitate publicată în editură din străinătate	Punctaj
	Cb1. Gheorghe Grigoraș, Bogdan-Constantin Neagu , Ovidiu Ivanov, Mihai Gavrilaș, Florina Scarlatache, Smart Meter Data-based Strategies in the Optimal Operation of Electric Distribution Systems, Lambert Academic Publishing, Riga, Lituania, 264 pag. (28 pg. Neagu), 2019, 978-620-0-50306-0	3.36
	Cb2. Gheorghe Grigoraș, Florina Scarlatache, Bogdan-Constantin Neagu , Clustering in Power Systems. Applications, Lambert Academic Publishing, Germania, 264 pag. (54 pag. Neagu), 2016, ISBN: 978-3-330-01545-6.	6.48
	Cb3. Mihai Gavrilaș, Bogdan-Constantin Neagu , Enhanced metaheuristic search algorithms. Applications in the management of electricity distribution systems, LAP Lambert Academic Publishing, ISBN 978-620-2-51263-3, Riga, Latvia, 2020.	8.40
	Capitol carte de specialitate publicată în editură din străinătate	
Cb	Cb4. Gheorghe Grigoraș, Bogdan-Constantin Neagu , Regression Analysis-Based Load Modelling for Electric Distribution Networks, Capitol in cartea Numerical Methods for Energy Applications, Editori: Naser Mahdavi Tabatabaei, Nicu Bizon, Springer International Publishing, Switzerland, (27 pag.), 2021, pp. ISBN: 978-3-030-62190-2	1.35
	Cb5. Eduard Lunca, Bogdan-Constantin Neagu , Silviu Vornicu, <i>Finite Element Analysis of Electromagnetic Fields Emitted by Overhead High-Voltage Power Lines, In Numerical Methods for Energy Applications</i> , Editori: Naser Mahdavi Tabatabaei, Nicu Bizon, Springer International Publishing, Switzerland, Capitolul 29, (26 pag.), 2021, ISBN: 978-3-030-62190-2	0.87
	Cb6. Bogdan-Constantin Neagu , Gheorghe Grigoraș, Decision-Making Strategies with Clustering Based Unsupervised Learning for Smart Grids Planning, Capitol in cartea An Introduction to Approaches and Modern Applications with Ensemble Learning, Editor: Yi-Tung Chan, Nova Science Publishers, USA, (40 pag.), 2020, ISBN: 978-1-53618-680-2	2.00
	Cb7. Gheorghe Grigoraș, Ovidiu Ivanov, Bogdan-Constantin Neagu , Pragma Kar, Smart Metering Based Strategies for Improving Energy Efficiency in Microgrid, Capitol in cartea Microgrid Architectures, Control and Protection Methods, Editori: Naser	0.70

	Mahdavi Tabatabaei, Ersan Kabalci, Nicu Bizon, Springer International Publishing, Switzerland, 2020, (28 pag.), ISBN: 978-3-030-23722-6.	
	Cb8. Bogdan-Constantin Neagu , Mihai Gavrilas, Optimal Placement of Energy Storage Systems in Prosumer Microgrids, Capitolul 7 in cartea Advances in Engineering Research, Editor Victoria M. Petrova, Nova Science Publishers, USA, 2020, pp. 253 – 273, ISBN: 978-1-53618-508-9	1.00
	Cb9. Bogdan-Constantin Neagu , Gheorghe Grigoras, Ovidiu Ivanov, The Optimal Operation of Active Distribution Networks based on Smart Metering, Capitol in cartea Advanced Communication and Control Methods for Future Smartgrid, Editor: Taha Selim Ustun, IntechOpen, Londra, UK, 2019, (24 pag.) ISBN: 978-1-78984-105-3	0.80
	Cb10. Bogdan-Constantin Neagu , Gheorghe Grigoras, The Assessment of Power Quality in Electric Distribution Systems from Romania, capitol in cartea Advances in Energy Research, Editor Morena J. Acosta, Nova Science Publishers, USA, (55 pag.), 2017, ISBN: 978-1-53612-699-0.	2.75
	Carte de specialitate/ capitol publicat în editură din țară, recunoscută CNCS	
	Cb11. Ivas Dumitru, Bogdan-Constantin Neagu , Atudori Monica, <i>100 de ani de învățământ electrotehnic la Iași</i> , capitol în cartea Formarea specialiștilor sistemului energiei electrice si termice din Romania, coord. Zonel Vasiliu, Editura AGIR, București, Romania, 2017, ISBN 978-973-720-680-0, (103 pag. Neagu B.C.).	2.75
	Cb12. Gheorghe Georgescu, Bogdan-Constantin Neagu , <i>Analiza regimurilor permanente de funcționare ale rețelelor electrice din sistemul electroenergetic</i> , Vol. 2, Ed. PIM, Iași, 2014, (596 pag), ISBN 978-606-13-2128-5.	23.84
	Cb13. Gheorghe Georgescu, Bogdan-Constantin Neagu , <i>Analiza regimurilor permanente de funcționare ale rețelelor electrice din sistemul electroenergetic</i> , Vol. 1, Ed. PIM, Iași, 2014, (568 pag), ISBN 978-606-13-2127-8.	22.72
	Cb14. Gheorghe Georgescu, Bogdan-Constantin Neagu , <i>Proiectarea și exploatarea asistată de calculator a sistemelor publice de repartiție și distribuție a energiei electrice</i> , Vol. 2, Editura Pim, Iași, 2012, (566 pag.), ISBN 978-606-13-088-6-6.	22.64
	Cb15. Gheorghe Georgescu, Bogdan-Constantin Neagu , Romeo Ciobanu, <i>Proiectarea și exploatarea asistată de calculator a sistemelor publice de repartiție și distribuție a energiei electrice</i> , Vol. 1, partea a-II-a, Ed. Pim, Iași, 2011, (586 pag), ISBN 978-606-13-0148-5.	15.63
	Cb16. Gheorghe Georgescu, Bogdan-Constantin Neagu , <i>Proiectarea și exploatarea asistată de calculator a sistemelor publice de repartiție și distribuție a energiei electrice</i> , Vol. 1, partea I-a, Ed. Fundației Academice AXIS, Iași, 2010, (452 pag), ISBN 978-973-7742-87-2.	18.08
	Articol publicat în revistă cotate ISI, cu factor de impact	
R	R1. Ovidiu Ivanov; Bogdan-Constantin Neagu ; Gheorghe Grigoras; Scarlatache, Florina; Gavrilas, Mihai, A Metaheuristic Algorithm for Flexible Energy Storage Management in Residential Electricity Distribution Grids. Mathematics 2021, 9, 2375. WOS:000628360103201	1.20
	R2. Gherghe Grigoras, Bogdan-Constantin Neagu , Florina Scarlatache, Livia Noroc, Ecaterina Chelaru, Bi-Level Phase Load Balancing Methodology with Clustering-Based Consumers' Selection Criterion for Switching Device Placement in Low Voltage Distribution Networks, Mathematics, vol. 9, nr. 5, 542, 2021, Accession Number: WOS:000628360100001	1.20
	R3. Gheorghe Grigoras, Livia Noroc, Ecaterina Chelaru, Florina Scarlatache, Bogdan-Constantin Neagu , Ovidiu Ivanov, Mihai Gavrilas, Coordinated Control of Single-Phase End-Users for Phase Load Balancing in Active Electric Distribution Networks, Mathematics, vol. 9, nr. 21, 2662, 2021, Accession Number: WOS:000719474900001 (Q1)	0.86
	R4. Alexandru Kriukov, Mihai Gavrilas, Ovidiu Ivanov, Gherghe Grigoras, Bogdan-Constantin Neagu , Florina Scarlatache, Novel Decentralized Voltage-Centered EV Charging Control Algorithm Using DSRC System in Low Voltage Distribution Networks, IEEE Access (Early Access), Decembrie 2021, doi: 10.1109/ACCESS.2021.3132419 (Q2)	1.00
	R5. Ovidiu Ivanov, Bogdan-Constantin Neagu , Mihai Gavrilas, Gheorghe Grigoras, A Phase Generation Shifting Algorithm for Prosumer Surplus Management in Microgrids using Inverter Automated Control, Electronics, vol. 10, nr. 22, 2740, 2021, WOS:000727513800001 (Q3)	1.50
	R6. Gheorghe Grigoras, Bogdan-Constantin Neagu , An Advanced Decision Support Platform in Energy Management to Increase Energy Efficiency for Small and	3.00

	Medium Enterprises, Applied Sciences, 2020, 10, 3505. Accession Number: WOS:000541440000166	
R7.	Gheorghe Grigoras, Bogdan-Constantin Neagu , Mihai Gavrilaș, Ion Triștiu, Constantin Bulac, Optimal Phase Load Balancing in Low Voltage Distribution Networks using a Smart Meter Data-based Algorithm, Mathematics, 2020, 8, 549. Accession Number: WOS: 000531824100089	1.20
R8.	Florina Scarlatache, Gheorghe Grigoraș, Vlad-Andrei Scarlatache, Bogdan-Constantin Neagu , Ovidiu Ivanov, A Hybrid Methodology Based on Smart Management Energy Consumption in Irrigation Systems, Electronics, vol. 10, nr. 22, 2864, 2021, WOS:000727225500001 (Q3)	1.20
R9.	Bogdan-Constantin Neagu , Ovidiu Ivanov, Gheorghe Grigoras, Mihai Gavrilaș, Marcel Istrate, New Market Model with Social and Commercial Tiers for Improved Prosumer Trading in Microgrids. Sustainability 2020, 12, 7265, WOS:000584284700001.	1.20
R10.	Bogdan-Constantin Neagu , Ovidiu Ivanov, Gheorghe Grigoras, Mihai Gavrilaș, A New Vision on the Prosumers Energy Surplus Trading Considering Smart Peer-to-Peer Contracts. Mathematics, 2020, 8, 235. Accession Number: WOS:000519234000090	1.50
R11.	Ovidiu Ivanov, Samiran Chattopadhyay, Soumya Banerjee, Bogdan-Constantin Neagu , Gheorghe Grigoras, Mihai Gavrilaș, A Novel Algorithm with Multiple Consumer Demand Response Priorities in Residential Unbalanced LV Electricity Distribution Networks, Mathematics, 2020, 8, 1220. Accession Number: WOS:000567310900001	1.00
R12.	Gheorghe Grigoras, Bogdan-Constantin Neagu , Smart Meter Data-Based Three-Stage Algorithm to Calculate Power and Energy Losses in Low Voltage Distribution Networks. Energies 2019, 12, 3008, Accession Number: WOS:000482174800167	3.00
R13.	Ovidiu Ivanov, Bogdan-Constantin Neagu , Gheorghe Grigoras, Mihai Gavrilaș, Optimal Capacitor Bank Allocation in Electricity Distribution Networks Using Metaheuristic Algorithms. Energies 2019, 12, 4239, Accession Number: WOS:000504898500017	1.50
R14.	Serișan G.-C., Enache B.-A., Grigorescu S.-D., Pațurcă S. V., Cepișcă C., Vasiliki V., Porumb R., Bogdan-Constantin Neagu , Ghiculescu D., <i>Improvement of Teaching Activities in Higher Education: A Case Study</i> , Revue roumaine des sciences techniques. Série Électrotechnique et Énergétique, Tome 64, Issue 2, pp. 169-172, 2019, Accession Number: WOS:000567310900001	0.67
Articol publicat în revistă indexată în baze de date internaționale (BDI)		
R15.	Bogdan-Constantin Neagu , Ovidiu Ivanov, Gheorghe Grigoraș, Mihai Gavrilaș, Short-term Load Forecast Approach Based on Artificial Neural Networks, Buletinul Institutului Politehnic din Iași, Secția: Electrotehnică, Energetică, Electronică, Volumul 65 (69), Fasc. 2, pp. 9-22, 2019, ISSN 1223-8139 (Index Copernicus, getCITED, Ulrich's), cod CNCSIS: 87 http://www.bulipi-eee.tuiasi.ro/archive/2019/fasc.2/p1_f2_2019.pdf .	0.75
R16.	Nicusor Toma, Mihai Gavrilaș, Bogdan-Constantin Neagu , Application of smart metering systems for energy losses assessment and forecasting in distribution systems, Prace Naukowe Politechniki Śląskiej. Elektryka, Wydawnictwo Politechniki Śląskiej, nr. 1, pp. 51-57, Polonia, 2018, (Index Copernicus, getCITED, Ulrich's).	1.00
R17.	Vladut Birjar, Bogdan-Constantin Neagu , Mugurel Rotariu, A Load Flow Comparative Analysis using Commercial Power Systems Tools, Buletinul Institutului Politehnic din Iași, secția Electrotehnică. Energetică. Electronică, Vol. 64 (68), No. 4, 2018, ISSN 1223-8139, p. 139-148 (CNCSIS B+, Index Copernicus, Ulrich's), http://www.bulipi-eee.tuiasi.ro/archive/2018/fasc.4/2018f4contents.pdf .	1.00
R18.	Bogdan-Constantin Neagu , Mugurel Rotariu, An Intelligent Solution for Power Losses Minimization in Electric Distribution Systems, Buletinul Institutului Politehnic din Iași, secția Electrotehnică. Energetică. Electronică, Vol. 63 (67), No. 4, 2017, ISSN 1223-8139, p. 79-92 (CNCSIS B+, Index Copernicus, Ulrich's), http://www.bulipi-eee.tuiasi.ro/archive/2016/fasc.2/2017f4contents.pdf	1.50
R19.	Bogdan-Constantin Neagu , Gheorghe Georgescu, Ovidiu Ivanov, Determining Additional Power and Energy Losses in Low Voltage Electricity Distribution Networks Operated in Distorted and Unbalanced Operation States, Buletinul	1.00

	Institutului Politehnic din Iași, secția Electrotehnică. Energetică. Electronică, Vol. 63 (67), No. 1, 2017, ISSN 1223-8139, pp. 97-110 (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), http://www.bulipi-eee.tuiasi.ro/archive/2017/fasc.2/p8_f1_2017.pdf .	
R20.	Gheorghe Georgescu, Bogdan-Constantin Neagu , Ovidiu Ivanov, The Evaluation of Active Power Losses in Low Voltage Distribution Systems Operated in Distorting Steady State, Buletinul Institutului Politehnic din Iași, secția Electrotehnică. Energetică. Electronică, Vol. 62 (66), No. 2, 2016, ISSN 1223-8139, p. 97-109 (CNCSIS B+, Index Copernicus), http://www.bulipi-eee.tuiasi.ro/archive/2016/fasc.2/2016f2contents.pdf	1.00
R21.	Bogdan-Constantin Neagu , Gheorghe Georgescu, Ovidiu Ivanov, Voltage Quality Analysis in Low Voltage Public Electric Distribution Networks Operated in Distorted and Unbalanced Conditions, Buletinul Institutului Politehnic din Iași, secția Electrotehnică. Energetică. Electronică, Vol. 62 (66), No. 2, 2016, p. 81-95 (CNCSIS B+, Index Copernicus), http://www.bulipi-eee.tuiasi.ro/archive/2016/fasc.2/2016f2contents.pdf	1.00
R22.	Bogdan-Constantin Neagu , Gheorghe Georgescu, Aspecte privind funcționarea rețelelor electrice de distribuție de joasă tensiune în regim permanent nesinusoidal, Revista Energetica, nr. 2, pp. 60-64, 2016 (CNCSIS B+, Index Copernicus), http://ire.ro/assets/Resources/2016/Numarul%202/energetica-02-2016.pdf .	1.50
R23.	Gheorghe Grigoraș, Bogdan-Constantin Neagu , Market Clearing Price Forecasting in Deregulated Electricity Markets Using a Fuzzy Approach, Acta Electrotehnica, Vo. 56, Nr. 3, pp. 113-116, 2015, ISSN : 1841-3323 (EBSCO) - cod CNCSIS: 576.	1.50
R24.	Bogdan-Constantin Neagu , Gheorghe Grigoraș, Data Mining Tools in Electricity Distribution Systems, Acta Electrotehnica, Vol. 56, Nr. 3, pp. 209-212, 2015, ISSN : 1841-3323 (EBSCO) - cod CNCSIS: 576.	1.50
R25.	Mugurel Rotariu, Bogdan-Constantin Neagu , Human Factor Modelling Using Markov Method, Buletinul Institutului Politehnic din Iași, Tomul LXI (LXV), Fasc. 4, pp. 117-132, 2015. (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.4/p10_f4.pdf .	1.50
R26.	Gheorghe Georgescu, Bogdan-Constantin Neagu , Influence of the Thermal Power Plant Withdrawal on 110 kV Network Steady State, Buletinul Institutului Politehnic din Iași, Tomul LXI (LXV), Fasc. 2, pp. 103-115, 2015. (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.2/p10_f	1.50
R27.	Razvan Pricope, Bogdan-Constantin Neagu , Optimal Reconfiguration of a Wind Farm Power Distribution Network, Buletinul Institutului Politehnic din Iași, Tomul LXI (LXV), Fasc. 2, pp. 91-102, 2015. (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.2/p9_f2_2015.pdf .	1.50
R28.	Gheorghe Georgescu, Bogdan-Constantin Neagu , Mathematic Model and Application for Harmonic Steady-State of the Power Transmission Line, Buletinul Institutului Politehnic din Iași, Tomul LXI (LXV), Fasc. 1, pp. 79-98, 2015. (CNCSIS B+, Index Copernicus), http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.1/p8_f1_2015.pdf .	1.50
R29.	Bogdan-Constantin Neagu , Gheorghe Grigoraș, Florina Scarlatache, Managementul sarcinii în contextul integrării contorizării inteligente în rețelele electrice de distribuție, Revista Energetica, nr. 4, vol. 71, pp. 82-88, 2015, ISSN 1453-2360 (CNCSIS B+, Index Copernicus),	1.00
R30.	Florina Scarlatache, Gheorghe Grigoraș, Bogdan-Constantin Neagu , Impactul generării distribuite asupra reglajului de tensiune în rețelele electrice de distribuție, Revista Energetica, Vol. 62, ISSN: 1453-2360, nr. 3, pp. 105-110, 2014 (CNCSIS B+, Index Copernicus).	1.00
R31.	Bogdan-Constantin Neagu , Power Flow Optimization Using Booster Transformers in High Voltage Distribution Networks, Buletinul Institutului Politehnic din Iași, Tomul LX (LXIV), Fasc. 3, pp. 95-105, 2014. (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, http://www.bulipi-eee.tuiasi.ro/archive/2014/fasc.1/p9_f3_2014.pdf .	3.00
R32.	Gheorghe Georgescu, Bogdan-Constantin Neagu , Monitoring Possibilities and Steady-State Analysis of Electric Energy Repartition Networks, Buletinul Institutului	1.50

	Politehnic din Iași, Tomul LX (LXIV), Fasc. 2, pp. 93-109, 2014. (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), http://www.bulipi-eee.tuiasi.ro/archive/2014/fasc.2/p6_f22014.pdf .	
R33.	Bogdan-Constantin Neagu , Gheorghe Georgescu, Possibilities of Load Curves Modelling in Electric Energy Distribution Networks, Buletinul Institutului Politehnic din Iași, Tomul LX (LXIV), Fasc. 1, pp. 89-102, 2014. (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), http://www.bulipi-eee.tuiasi.ro/archive/2014/fasc.1/p8_f1_2014.pdf .	1.50
R34.	Bogdan-Constantin Neagu , Gheorghe Georgescu, A Comparative Study Regarding the Efficiency of Technical Losses Evaluation Methods in Low Voltage Electricity Networks, The 4th International Symposium on Electrical Engineering and Energy Converters – WESC 2012, Suceava, Buletinul AGIR nr. 3, pp. 603-610, 2012 (Index Copernicus, getCITED) http://www.agir.ro/buletine/1443.pdf .	1.50
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Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție națională sau încheiate cu institute de cercetare, companii, regii, societăți comerciale
Granturi de cercetare-dezvoltare câștigate prin competiție / director proiect
P1. Platformă software inovativă pentru managementul energetic al consumatorilor finali în vederea creșterii eficienței energetice și a reducerii emisiilor de carbon, Grant PN-III-P2-2.1-CI-2018-1017, Contract nr. 174CI din 04/07/2018, Beneficiar: UEFISCDI, Valoare: valoare 49990 lei, Neagu B.C. (Director)
P2. Management inteligent a centralelor electrice virtuale cu ajutorul platformelor software bazate pe inteligența artificială, în contextul competitivității energetice Europene, Grant PN-III-P2-2.1-CI-2018-1011, Contract nr. 173CI din 02/07/2018, Valoare: 49750 lei, Neagu B.C. (Director)
P3. Dezvoltarea instituțională a TUIASI prin creșterea vizibilității și a performanței cercetării, (TUIASI-COMPETE), Grant PNIII-1.2.PDI-PFC-C1-2018, Contract nr. 9PFE din 18/10/2018, Beneficiar: UEFISCDI, Valoare: 4530000 lei. Tema: Platformă software de asistență decizională orientată spre eficientizarea managementului activității furnizorilor de energie electrică. Neagu B.C. (Responsabil Tema 9)
Granturi de cercetare-dezvoltare câștigate prin competiție / membru proiect
P4. Holistica impactului surselor regenerabile de energie asupra mediului și climei-HORESEC, Grant PN-III-P1-1.2-PCCDI-2017-0404 / 31PCCDI/2018, Director Proiect Cornel Panait, Coordonator Universitatea Maritimă din Constanța, Durata 33 de luni. Valoare totală 5.287.500 lei. Neagu B.C. (Member).
P5. Platforma software de asistare a deciziilor în proiectarea ecologică optimă a instalațiilor electrice cu producere și stocare locală a energiei, în contextul creșterii eficienței energetice, Grant PN-III-P2-2.1-CI-2018-1128, Contract 192CI/25.07.2018, Beneficiar: UEFISCDI, Valoare: 50.000 lei, 2018, Neagu B.C. (Member)
P6. Platforma de management și control integrat al fluxurilor purtătorilor de energie în scopul creșterii eficienței energetice la IMM-uri, Grant PN-III-P2-2.1-CI-2017-0190, Contract 105CI/25.07.2017, Beneficiar: UEFISCDI, Valoare: 50.000 lei, 2017, Neagu B.C. (Member)
P7. Instrument software pentru gestiunea tranzacțiilor pe piața de energie electrică, Grant PN-III-P2-2.1-CI-2017-0328, Contract 45CI/25.07.2017, Valoare: 50.000 lei, 2017, Neagu B.C. (Member)
P8. Zone urbane bioclimatice inteligente cu emisii reduse de carbon ca insule inovatoare energetice într-un oraș durabil (SMART URBAN ISLE). Contract 83/2016 - ERA NET Cofund-83/2016-2018. Valoare proiect: 710.968,5 lei, Neagu B.C. (Member).
P9. Nanomateriale și arhitecturi inovatoare pentru aplicații integrate de captare a energiei piezoelectrice (HarvEnPiez), Contract 50/2016, Proiect Era Net.Nivel internațional. Valoare proiect: 447.750 lei, Neagu B.C. (Member).
P10. Senzori integrați cu caracteristici microfluidice folosind tehnologia LTCC", (INTCERSEN), Contract 9/2015, Proiect internațional Era Net. Valoare proiect: 468.000 lei, Neagu B.C. (Member).
P11. Tehnologii inovative de asamblare – dezasamblare a componentelor nemetalice industriale, bazate pe adezivi electro - activi nano-structurați, Contract de cercetare nr. 7-042/09.05.2011 (MAGBOND), beneficiar Universitatea Tehnică „Gheorghe Asachi” din Iași, durata contractului 2011-2012. (valoare 1.122.730 RON - 249.496 EUR), Neagu B.C. (Member).
P12. Dezvoltarea de bio-senzori prin intermediul unei tehnologii inovative de electro - acoperire a structurilor carbonice cu polimeri activi. Contract de cercetare nr. 7-038/13.05.2011 (CARBIOSENSE), beneficiar Universitatea Tehnică „Gheorghe Asachi” din Iași, durata contractului 2011-2013. (valoare 1.079.300 RON - 239.844 EUR), Neagu B.C. (Member)

P13.	Școala Universitară de formare inițială și continuă a personalului didactic și a trainerilor din domeniul specializărilor tehnice și ingineresti – DidaTec, Contract POSDRU / 87 / 1.3 /S /6089, beneficiar Universitatea Tehnică „Gheorghe Asachi” din Iași, durata contractului 2012-2013. Neagu B.C. (Member)
P14.	Specializarea personalului didactic universitar pentru funcția de supervisor de practică tehnologică și de cercetare, Cod contract: 57/1.3/S/17884, beneficiar Universitatea Tehnică „Gheorghe Asachi” din Iași, durata contractului 2010-2012. Neagu B.C. (Member)
Contracte încheiate cu institute de cercetare/companii/regii/societăți comerciale	
P15.	Proгноza de consum propriu tehnologic pentru rețeaua de energie electrică din zona de activitate a Delgaz Grid. S.A. pentru anul 2019, Contract nr. 1305P / 14.02.2019; beneficiar: Delgaz Grid.S.A, Valoare: 7500 euro, Neagu B.C. (Member)
P16.	Proгноza de consum propriu tehnologic pentru rețeaua de energie electrică din zona de activitate a Delgaz Grid. S.A. pentru anul 2018., Contract nr. 3105P / 14.02.2018; beneficiar: Delgaz Grid. S.A ,Valoare:9981 euro, Neagu B.C. (Member)
P17.	Prestări servicii cercetare: prelucrare MST instantanee și stabilire locații MST 1 zi, Contract nr. 12697/05.07.2017, beneficiar: Delgaz Grid S.A, valoare 9783 lei, Neagu B.C. (Member).
P18.	Proгноza de consum propriu tehnologic pentru rețeaua de energie electrică din zona de activitate a Delgaz Grid. S.A., Contract nr. 448P / 15.03.2017; beneficiar: Delgaz Grid. S.A ,Valoare: 44888 lei, Neagu B.C. (Member)
P19.	Elaborare studiu - Servicii de consultanță de specialitate în proiectul EON Moldova Distribuție de reducere a pierderilor tehnice în rețelele de distribuție a energiei electrice pentru perioada 2016; Contract nr. 684P / 21.04.2016; beneficiar: EON Distribuție România S.A., Valoare: 60000 lei, Neagu B.C. (Member).
P20.	Servicii de consultanță de specialitate în proiectul EON Moldova Distribuție de reducere a pierderilor tehnice în rețelele de distribuție, Contract nr. 1398P / 08.10.2014, beneficiar: E.ON Moldova Distribuție S.A., Valoare: 194000 lei, Neagu B.C. (Member).
P21.	Studiu de determinare a consumului propriu tehnologic în rețelele de joasă tensiune aferente jud. Bacău, aparținând E.ON Moldova Distribuție S.A, Contract de cercetare nr. 3564P / 01.11.2011, 2011, beneficiar: E.ON Moldova Distribuție S.A, Valoare: 50000 lei, Neagu B.C. (Member)
P22.	Contract cercetare nr. 1265P/2010 , Analiza structurii și a posibilităților de reconfigurare în regimurile post avarie a rețelelor electrice, a calității energiei electrice livrate consumatorilor, prognoza sarcinilor, dimensionarea optimă din punct de vedere tehnico-economic a elementelor componente, precum și calculul regimurilor simetrice, a regimurilor de avarie (scurtcircuite) și a regimurilor deformante care apar în sistemele de repartizare și distribuție a energiei electrice (valoare 3500 RON + TVA). Neagu B.C. (Member).

Note:

(1) Fiecare lucrare este prezentată, în limba în care a fost publicată / expusă, corespunzător structurii "I, II, III, IV, V, VI", unde:

- I - indicativul (T1, T2 etc.; Ca1, Ca2 etc.; ...), care se scrie "bold" la lucrările realizate după acordarea ultimului titlu didactic/ grad profesional (**Ca1, I1** etc., după caz);
- II - autorii în ordinea din publicație, cu scriere "bold" **a candidatului**;
- III - *titlul*, scris "italic";
- IV - editura sau revista sau manifestarea și/sau alte elemente de localizare, după caz;
- V - intervalul de pagini din publicație, respectiv, pp ...-..., numărul total de pagini, respectiv, ... pg., sau alte date similare, după caz;
- VI - anul sau perioada de realizare, după caz;

- (2) În cadrul fiecărui grup de lucrări (Ca1, Ca2 etc.; I1, I2 etc. ; ...), lucrările sunt în ordine invers cronologică;
- (3) În cazul în care o grupă de lucrări nu se regăsește în activitatea candidatului, respectiva grupă poate fi eliminată din listă;
- (4) Candidații au libertatea să completeze lista și cu alte grupe de lucrări.

Data:
07.01.2022

Candidat,
Bogdan-Constantin Neagu