

L I S T A
lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

Studiul regimului deformant în circuite cu mutatoare - Universitatea din Craiova, 2000

B. Suport didactic

1. I.Neacă - *Metode si procedee tehnologice*_Suport de curs_electronic
2. I.Neacă - *Electricitate*_Suport de curs_electronic
3. I.Neacă - *Electrotermie*_Suport de curs_electronic
4. I.Neacă - *Calitatea energiei electrice in sisteme cu convertoare statice de putere*_Suport de curs-prezentare PDF_electronic
5. I.Neacă - *Electronică analogică*_Suport de curs-prezentare PDF_electronic
6. I.Neacă - *Probleme speciale de proiectare asistată a circuitelor cu microcontrolere*_Suport de curs_electronic
7. I.Neacă - *Analiza interacțiunii rețea – echipamente de comutație*_Suport de curs_electronic
8. I.Neacă - *Modelarea structurilor avansate in electronica de putere*_Suport de curs-prezentare PDF_electronic
9. I.Neacă - *Metode si procedee tehnologice*_Suport laborator_electronic
10. I.Neacă - *Calitatea energiei electrice in sisteme cu convertoare statice de putere*_Suport laborator_electronic
11. I.Neacă - *Probleme speciale de proiectare asistată a circuitelor cu microcontrolere*_Suport laborator_electronic
12. I.Neacă - *Electronică analogică*_Suport laborator_electronic

C. Cărți si capitole în cărți

2016-2025

1. M.I. NEACĂ, A.M. NEACĂ, *ELECTRONICĂ ANALOGICĂ*, Editura Universitaria, Craiova, 2020, (327 pagini), ISBN 978-606-14-1580-9
2. Coautor la cap.9 („*FILE DIN ISTORIA INVATAMANTULUI SUPERIOR POLITEHNIC DIN CRAIOVA*”- 6 coautori, 49 pagini) in cadrul monografiei “Formarea specialistilor sistemului energiei electrice si termice din Romania”- coordonator: Zonel H. Vasiliu, Editura A.G.I.R., 2017, ISBN: 978-973-720-680-0

D. Lucrări indexate ISI/BDI

D1. Reviste

2016-2025

1. M.I. NEACĂ, A.M. NEACĂ, *Mathematical Model for Resistive Tubular Heater*, Proceedings of 13th International Conference on Applied and Theoretical Electricity ICATE 2016, October 6-8, Craiova, Romania, IEEE Catalog No. CFP1699S-USB, ISBN: 978-1-4673-8561-9 (978-1-4673-8562-

6/16/\$31.00©2016 IEEE), Book Series: International Conference on Applied and Theoretical Electricity
Published: 2016 (ISBN: 978-1-4673-8562-6)

IEEE: DOI: 10.1109/ICATE.2016.7754676

<https://ieeexplore.ieee.org/document/7754676>

Web of Science: WOS:000390767500075

http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=D1RnuMuU9EK3nFIJimi&page=1&doc=3&cacheurlFromRightClick=no

2. M.I. NEACĂ, *The Matlab-Simulink model for monitoring of the power loss in inverters which supplies a BLDC motor*, Proceedings of 2018 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR) – THETA 21th edition – May 24-26, 2018, Cluj-Napoca, Romania, , IEEE Catalog Number: CFP18AQT-USB, ISBN: 978 – 1 – 5386 – 2203 – 2, ©2018,
IEEE: DOI: 10.1109/AQTR.2018.8402764
<https://ieeexplore.ieee.org/document/8402764>
Web of Science: WOS:000450065900060
http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=D1RnuMuU9EK3nFIJimi&page=1&doc=1&cacheurlFromRightClick=no
3. M.I. NEACĂ, A.M. NEACĂ, *Determination of the Power Loss in Inverters which Supplies a BLDC Motor*, Proceedings of International Symposium on Fundamentals of Electrical Engineering 2016 (ISFEE 2016), București, Romania, June 30 – July 2, 2016, Cat. No.: CFP1693Y-USB, ISBN: 978-1-4673-9574-8, Published: 2016
IEEE: DOI: 10.1109/ISFEE.2016.7803168
<https://ieeexplore.ieee.org/document/7803168>
Web of Science: WOS:000392434400020
http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=D1RnuMuU9EK3nFIJimi&page=1&doc=2&cacheurlFromRightClick=no
4. M.I. NEACĂ, *Simulink Model for Resistive Tubular Heater*, Proceedings of 2018 International Conference on Applied and Theoretical Electricity ICATE, October 4-6, Craiova, Romania, IEEE Catalog No. CFP1899S-USB, ISBN: 978-1-5386-3805-7, Published: 2018
IEEE: DOI: 10.1109/ICATE.2018.8551453
<https://ieeexplore.ieee.org/document/8551453>
Scopus: <https://www.scopus.com/record/display.uri?eid=2-s2.0-85059988720&origin=resultslist&sort=plf-f&src=s&st1=Neaca&sid=12314D77300545431E595A089E75F675.aXczxbyuHHiXgaIW6Ho7g%3a20&ot=b&sdt=b&sl=18&s=AUTHOR-NAME%28Neaca%29&relpos=0&citeCnt=0&searchTerm=#references>
5. M.I. NEACĂ, *Comparative Simulation of the Dynamic Regimes of Resistive Heating Elements*, Proceedings of 12th International Conference and Exhibition on Electromechanical and Energy Systems SIELMEN 2019, October 9 – Craiova, Romania & October 10-11 - Chișinău, Republica Moldova, Pages: 188-193, Published: 2019
INSPEC Accession Number: 19172152
IEEE: DOI: 10.1109/SIELMEN.2019.8905842
<https://ieeexplore-ieee-org.am.e-nformation.ro/document/8905842>
6. 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>)

D2. Manifestări științifice

2016-2025

E. Lucrări publicate în reviste și volume de conferințe cu referenți (neindexate)

2016-2025

1. **NEACĂ, M.I.**, *The Influence of the Output Current Deforming Regime on the Input Current Harmonics for a Three-Phase Rectifier Bridge*, ANNALS OF THE UNIVERSITY OF CRAIOVA - Electrical Engineering Series , no.41, 2017, ISSN: 1842-4805, pag.136-142.
<http://elth.ucv.ro/fisiere/anale/wp-content/uploads/2018/01/The-Influence-of-the-Output-Current-Deforming-Regime-on-the-Input-Current-Harmonics-for-a-Three-Phase-Rectifier-Bridge.pdf>
 Google Scholar: https://scholar.google.com/citations?hl=en&user=T9gIzKoAAAAJ#d=gs_md_cita-d&u=%2Fcitations%3Fview_op%3Dview_citation%26hl%3Den%26user%3DT9gIzKoAAAAJ%26csta-rt%3D20%26pagesize%3D80%26citation_for_view%3DT9gIzKoAAAAJ%3AKlAtU1dfN6UC%26tzm%3D-180
 Copernicus : <https://journals.indexcopernicus.com/search/article?articleId=1583213>
2. **M.I. NEACĂ**, *The Resistive Tubular Heater - Mathematical and Simulation Model*, Analele Universității din Craiova, seria Inginerie Electrică, No. 42, Vol. 42 (Issue 2), Issue 2, 2018, ISSN 1842-4805, pag.71 – 80, Ed. Universitaria,
<http://aparate.elth.ucv.ro/web/Arhiva/AnaleleUCv%202018/Anale%202018%20final%20%2Bcoperta.pdf>
 Copernicus: <https://journals.indexcopernicus.com/search/article?articleId=1881188>
3. **M.I. NEACĂ**, *Interdependence between the harmonics of the output and input currents to a three phase rectifier bridge*, Proceedings of the 11th International Conference on Electromechanical and Power Systems (SIELMEN 2017), 11 October 2017 Iasi / 12-13 October 2017, Chisinau, IEEE Catalog Number: CFP17L58-USB, ISBN: 978-1-5386-1845-5, pg.513-517
[\(http://www.sielmen.tuiasi.ro/2017/index.php/technical-program/ \)](http://www.sielmen.tuiasi.ro/2017/index.php/technical-program/)

F. Brevete obținute în întreaga activitate

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G. Participare la proiecte de cercetare

G1. Granturi / proiecte câștigate prin competiție națională/internațională

2021-2025

2016-2020

G2. Contracte de cercetare / consultanță (valoare echivalentă de minim 2.000 Euro)

2021-2025

2016-2020

Data:
01.10.2025

Semnătura: