

LISTA DE LUCRĂRI
a cadrului didactic IORGULESCU MARIANA

A. Teza de doctorat

Sisteme expert pentru testarea si diagnosticarea motoarelor electrice, Domeniul: Inginerie Electrica , UPB, Inginerie electrică, 2006

B. Cărți și capitole în cărți publicate în perioada 2008 - 2017

B1. Cărți și capitole în cărți de specialitate internaționale ca autor (cu ISBN extern)

1. Robert Beloiu, Mariana Iorgulescu, Corina Savulescu, *Autonomous Vehicles: Intelligent Transport Systems and Smart Technologies, Chapter 13. Dynamic Response of Electric Machines for Electric Vehicles/Hybrid Electric Vehicles (EV/HEV)*, Editors: Nicu Bizon, Lucian Dascalescu and Naser Mahdavi Tabatabaei (Faculty of Electronics, Communication and Computers, University of Pitesti, Romania); Chapter 13. Dynamic Response of Electric Machines for Electric Vehicles/Hybrid Electric Vehicles (EV/HEV) ; pp.353-378,(26pp) https://www.novapublishers.com/catalog/product_info.php?products_id=50365, 2014

B2. Cărți și capitole în cărți de specialitate naționale ca autor (cu ISBN intern)

1. Robert Beloiu, Mariana Iorgulescu , Corina Savulescu,, *Autonomous Vehicles: Intelligent Transport Systems and Smart Technologies, Chapter 13. Dynamic Response of Electric Machines for Electric Vehicles/Hybrid Electric Vehicles (EV/HEV)*, Editors: Nicu Bizon, Lucian Dascalescu and Naser Mahdavi Tabatabaei (Faculty of Electronics, Communication and Computers, University of Pitesti, Romania) Chapter 13. Dynamic Response of Electric Machines for Electric Vehicles/Hybrid Electric Vehicles (EV/HEV) (University of Pitesti, Romania), 26 pp. Publishing house of the University of Pitești, Pitești, ISBN 978-606-560-327-1, 2013, 2013

2. Coord: Ioan LIȚĂ, autor -M. Iorgulescu, *Indrumar pentru examenul de licență*, Editura Universitatii din Pitesti 2014, e-ISBN: 978-606-560-383-7, pag: 171-194, 2014

B5. Manuale didactice, suport de curs

1. Mariana Iorgulescu, *Curs Metode si procedee tehnologice*, Universitatea din Pitesti, 120 pag, 2013

C. Lucrări (articole) ISI / BDI publicate în perioada 2008 - 2017

C1. Articole în reviste cotate ISI Thomson Reuters

1. Mariana Iorgulescu, Doru Ursu, *Reactive Power Control and Voltage Stability in Power Systems*, Edited by: Tabatabaei, NM; Aghbolaghi, AJ; Bizon, N; et al. Book Series: Power Systems, Pages: 227-248 DOI: 10.1007/978-3-319-51118-4_6 ; Published: 2017 Accession Number: WOS:000418032900008 Book DOI: 10.1007/978-3-319-51118-4 ISBN: 978-3-319-51118-4; 978-3-319-51117-7; ISSN: 1612-1287 REACTIVE POWER CONTROL IN AC POWER SYSTEMS: FUNDAMENTALS AND CURRENT ISSUES Book Series: Power Systems Pages: 227-248 Published: 2017, 2017, (TC_18_2017_DECIE)

C2. Articole în volume indexate ISI Proceedings

1. Iorgulescu, Mariana, Beloiu, Robert, Cazacu, Dumitru, *Vibration monitoring for electrical equipment faults detection using Fast Fourier Transform*, ADVANCES IN MANUFACTURING ENGINEERING, QUALITY AND PRODUCTION SYSTEMS, VOL I Book Series: Mathematics and Computers in Science and Engineering Pages: 34-+ Published: 2009, 2009

2. Iorgulescu, Mariana, Beloiu, Robert, Popescu, Mihai Octavian, *Vibration monitoring for diagnosis of electrical equipment's faults*, OPTIM 2010: PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, PTS I-IV Book Series: Proceedings of the International Conference on Optimization of Electrical and Electronic Equipment Pages: 493-+ DOI: 10.1109/OPTIM.2010.5510332 Published: 2010, 2010

3. Iorgulescu, Mariana, Beloiu, Robert, Popescu, Mihai Octavian, *Rotor bars diagnosis in single phase induction motors based on the vibration and current spectrum analysis*, OPTIM 2010: PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, PTS I-IV Book Series: Proceedings of the International Conference on Optimization of Electrical and Electronic Equipment Pages: 364- +DOI: 10.1109/OPTIM.2010.5510575 Published: 2010, 2010
4. Iorgulescu, Mariana, Beloiu, Robert, *Study of DC Motor Diagnosis Based on the Vibration Spectrum and Current Analysis*, Book Group Author(s): IEEE Conference: 11th International Conference on Applied and Theoretical Electricity (ICATE) Location: Craiova, ROMANIA Date: OCT 25-27, 2012 Sponsor(s): Romanian Minist Educ, Res, Youth & Sport Natl Author Res; Univ Craiova, Fac Elect Engn; Inst Elect & Elect Engineers; IEEE Romania Sect; IEEE Romania Sect CS Chapter; IEEE Romania Sect EMB Chapter; IEEE Romania Sect EMC Chapter; IEEE Romania Sect PE Chapter; Oltenia Energy Complex 2012 INTERNATIONAL CONFERENCE ON APPLIED AND THEORETICAL ELECTRICITY (ICATE) , 2012, (TC_11_2012_DECIE)
5. Iorgulescu, Mariana; Alexandru, Magdalena; Beloiu, Robert, *Noise and vibration monitoring for diagnosis of DC motor's faults*, PROCEEDINGS OF THE 13TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, VOLS 1-5 Book Series: Proceedings of the International Conference on Optimization of Electrical and Electronic Equipment Pages: 724-729 Published: 2012, 2012, (TC_11_2012_DECIE)
6. Iorgulescu, Mariana, *Iorgulescu, Mariana, Study of Three-Phase Bridge Rectifier Diagnosis based on Output Voltage and Current Analysis*, Book Group Author(s): IEEE Conference: 8th International Symposium on Advanced Topics in Electrical Engineering (ATEE) Location: Bucharest,, Book Group Author(s): IEEE Conference: 8th International Symposium on Advanced Topics in Electrical Engineering (ATEE) Location: Bucharest, ROMANIA Date: MAY 23-25, 2013 2013 8TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE) Published: 2013, 2013
7. Iorgulescu, Mariana, Savulescu, Corina, *Aspects of learning techniques in power system*, Book Group Author(s): IEEE Conference: International Conference on Electronics, Computers and Artificial Intelligence (ECAI) Location: Univ Pitesti, Pitesti, ROMANIA Date: JUN 27-29, 2013 , Sponsor(s): IEEE Region 8; IEEE Ind Applicat Soc; IEEE Romania Sect; 2013 INTERNATIONAL CONFERENCE ON ELECTRONICS, COMPUTERS AND ARTIFICIAL INTELLIGENCE (ECAI) Published: 2013, 2013
8. Iorgulescu, Mariana, Beloiu, Robert, *Faults diagnosis for electrical machines based on analysis of motor current*, Book Group Author(s): IEEE, Conference: International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) Location: ROMANIA Date: MAY 22-24, 2014 , Sponsor(s): IEEE Ind Elect Soc; IEEE Ind Applicat Soc; IEEE Power Elect Soc; Transilvania Univ Brasov, 2014 INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT (OPTIM) Pages: 291-297 Published: 2014, 2014
9. Beloiu Robert, Bostan Ionel, Iorgulescu Mariana, *Dynamic electronic model for a DC motor - simulation and experimental validation*, Book Group Author(s): IEEE Conference: 6th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) Location: Pitesti, ROMANIA Date: OCT 23-25, 2014 Sponsor(s): IEEE; IEEE Romania sect; IEEE Ind Appl Soc PROCEEDINGS OF THE 2014 6TH INTERNATIONAL CONFERENCE ON ELECTRONICS, COMPUTERS AND ARTIFICIAL INTELLIGENCE (ECAI) Book Series: International Conference on Electronics Computers and Artificial Intelligence Published: 2014, 2014
10. Savulescu, Corina, Iorgulescu, Mariana, *The implementation of Hamming decoder on Spartan 3*, Book Group Author(s): IEEE Conference: 6th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) Location: Pitesti, ROMANIA Date: OCT 23-25, 2014 Sponsor(s): IEEE; IEEE Romania sect; IEEE Ind Appl Soc PROCEEDINGS OF THE 2014 6TH INTERNATIONAL CONFERENCE ON ELECTRONICS, COMPUTERS AND ARTIFICIAL INTELLIGENCE (ECAI) Book Series: International Conference on Electronics Computers and Artificial Intelligence Published: 2014, 2014
11. Iorgulescu Mariana, *Study of the lamp's influence on the power quality based on voltage and current analysis*, Published in: Advanced Topics in Electrical Engineering (ATEE), 2015 9th International Symposium on, Page(s): 729 – 734, Bucharest, Romania, DOI: 10.1109/ATEE.2015.7133901, Publisher: IEEE, 2015

12. Mariana Iorgulescu, *ELECTRICAL MACHINES LEARNING AND TRAINING IN ONE2ONE PROJECT*, ECAI 2015, Vol. 7 – No. 3/ 2015 ISSN – 1843 – 2115, ISBN 978-1-4673-6647-2, Published in: Electronics, Computers and Artificial Intelligence (ECAI), 2015 7th International Conference on ,Page(s):WE-31 - WE-34,Print ISBN:978-1-4673-6646-5,INSPEC Accession Number:15556233,Conference Location Bucharest,DOI:10.1109/ECAI.2015.7301227,Publisher:IEEE, 2015
13. Beloiu Robert, Bostan, Ionel,Iorgulescu Mariana, *Internationalization of educational programs through European projects*, Conference: 6th International Conference Edu World 2014 Education Facing Contemporary World Issues Location: Pitesti, ROMANIA Date: NOV 07-09, 20146TH INTERNATIONAL CONFERENCE EDU WORLD 2014: EDUCATION FACING CONTEMPORARY WORLD ISSUES Book Series: Procedia Social and Behavioral Sciences Volume: 180 Pages: 1007-1013 Published: 2015, 2015
14. Iorgulescu, Mariana, *Study of single phase induction motor with aluminium versus copper stator winding*, 2016 International Conference on Applied and Theoretical Electricity (ICATE)Year: 2016,Pages: 1 - 5, DOI: 10.1109/ICATE.2016.7754643,IEEE Conference Publications, 2016
15. Mariana Iorgulescu, *Study of Energy Efficiency in Industry*, 2017 10TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE)Book Series: International Symposium on Advanced Topics in Electrical EngineeringPages: 573-578Published: 2017Accession Number: WOS:000403399400112ISBN:978-1-5090-5160-1ISSN: 1843-8571, 2017, (TC_18_2017_DECIE)

C3. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale

1. M.Iorgulescu, R. Beloiu, *Vibration and current monitoring for faults diagnosis of induction motors*, ICATE 2008 - 9-th International Conference on Applied and Theoretical Electricity, Annals of the University of Craiova, Electrical Engineering series, No. 32, 2008; ISSN 1842-4805,pag 102-107, Copernicus Indexed, 2008
2. Mariana Iorgulescu, Robert Beloiu, *Induction Motors Modelling for Faults Diagnosis*, Proceedings of the 2nd SYMPOSIUM ON APPLIED ELECTROMAGNETICS SAEM'08 pag.77-82 Zamość, Poland, June 1 – 4, 2008 ,ISBN 978-83-7373-037-3, <http://www.ptze.pl/nowa/moduly/strony%20informacyjne/UserFiles/80/SAEM08%20-%20materialy.pdf>, 2008
3. M. Iorgulescu, R Beloiu, *The vibration and stator current signature of induction motor*, Technical and Physical Problems of Power Engineering Pitesti ,TPE 2008, ISBN 978-973-690-798-2 pagII-45-II-51, 2008
4. M Iorgulescu, *STUDY RELATION BETWEEN FAULT NOISE IN ELECTRIC MOTOR*, 12-IJTPE-Issue5-Vol2-No4-Dec2010-pp69-73.pdf, ISSN 2077-3528https://scholar.google.ro/scholar?start=10&q=iorgulescu+mariana+&hl=en&as_sdt=0,5, 2010
5. Mariana Iorgulescu, Robert Beloiu, *Noise Monitoring For Faults Diagnosis of Electrical Machines*, Proceedings of the International Conference on ELECTRONICS, COMPUTERS and ARTIFICIAL INTELLIGENCE – ECAI-2011, Vol. 4 – No. 1/ 2011 ISSN – 1843 – 2115 pag. 103- 108, 2011
6. Robert Beloiu, Mariana Iorgulescu, *Set up of Brushless Control Drivers in Hybrid Electric Vehicle*, Proceedings of the International Conference on ELECTRONICS, COMPUTERS and ARTIFICIAL INTELLIGENCE – ECAI-2011, Vol. 4 – No. 1/ 2011 ISSN – 1843 – 2115 pag. 109-112, 2011
7. Mariana Iorgulescu, *Study of power quality improvement. Filters.*, University of Pitesti, Scientific Buletin, Series: Electronics and Computers Science ,Vol. 15, Issue 2/2015 pISSN: 2344-2158, eISSN 2344-216, 2015
8. Mariana Iorgulescu, *Energy Efficiency Management for Metalworking Manufactured*, Journal of Electrical Engineering, Electronics, Control and Computer Science, vol 2, nr.4 (2016),pp 15-20, 2016
9. Mariana Iorgulescu, *Mix of Learning and Training Techniques in Laboratory about Power Factor Compensation*, Journal of Electrical Engineering , Electronics ,Control and Computers EngineeringVol 3, No 2 (2017)<http://jeeccs.net/index.php/journal/article/view/55>, 2017, (TC_18_2017_DECIE)

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Semnătura