

LISTA DE LUCRĂRI

a) Lista lucrări

Listă completă de lucrări

1	Teodosescu, P.D. , Bojan, M., Marschalko, R., Resonant LED driver with inherent constant current and power factor correction, IET Electronics Letters, vol.50, no.15, pp.1086,1088, ISSN: 0013-5194, July 17, 2014. WOS:000340242300031
2	Teodosescu, P.D. , Bojan, M., Vese I.C., Marschalko, R., Research Concerning Unified Electronic Lighting Devices, Proceedings of the Romanian Academy - series A: Mathematics, Physics, Technical Sciences, Information Science, ISSN : 1454-9069, Vol. 16, No.2, 2015. WOS:000357362300014
3	Teodosescu, P.D. , Bojan, M., Denes, F., Marschalko, R. - Research concerning appropriate PFC methods for classic CFL lighting devices, Proceedings of the 15th International Power Electronics and Motion Control Conference, EPE-PEMC 2012, ECCE Europe, Novi Sad, Serbia, Sept. 4-6, 2012, WOS:000337270600061
4	Teodosescu, P.D. , Bojan, M., Pop, A.A., Marschalko, R. - Buck-Boost Corrector Implementing for Compact Fluorescent Lamp Applications, Proceedings of the 13th International Conference on Optimization of Electrical and Electronic Equipments OPTIM 2012, May 24-26, 2012, Brasov, Romania, pp. 833 – 838, WOS:000337270600061
5	Teodosescu, P.D. , Negrea, S.T., Bojan, M., Marschalko, R., Local grid power quality improvements by the use of a high power factor LED device, Proceedings of IEEE 2014 49th International Universities Power Engineering Conference (UPEC), vol., no., pp.1,6, 2-5 Sept. 2014, WOS:000364087800171
6	Gros, I.-C., Radulescu, M., Teodosescu, P.D. , Marginean, C., Implementation of SVM-based Direct Thrust Control of two-phase permanent magnet tubular synchronous actuators, in Advanced Topics in Electrical Engineering (ATEE), 2015 9th International Symposium on, vol., no., pp.236-239, 7-9 May 2015, WOS:000368159800042
7	P. D. Teodosescu , T. Rusu, C. S. Martis, A. C. Pop and I. Vintiloiu, "Considering half bridge converters for switched reluctance motor drive applications," 2015 Intl Aegean Conference on Electrical Machines & Power Electronics (ACEMP), 2015 Intl Conference on Optimization of Electrical & Electronic Equipment (OPTIM) & 2015 Intl Symposium on Advanced Electromechanical Motion Systems (ELECTROMOTION), Side, Turkey, 2015, pp. 186-191. WOS:000382957000034
8	Chirca M., Oprea C.A., Teodosescu P.D. , Breban S., Optimal Design of a Radial Flux Spoke-Type Interior Rotor Permanent Magnet Generator for Micro-Wind Turbine Applications, ICATE 2016, WOS:000390767500045
9	Marschalko, R., Fodor, D., Teodosescu, P.D., Bojan, M. Influence of DC-Link Capacitor Aging on the PWM Converters Operation, Acta Electrotehnica Journal, Mediamira Science Publisher, Volume 52, No.4, 2011, Cluj-Napoca, România, pp. 197-202, ISSN 1841-3323, [Google Scholar]

10	Vese I.C., Radulescu M.M., Teodosescu P.D., Marginenan C.I., Tubular permanent-magnet actuators for linear direct-drive systems, Electromotion Journal, Vol 18, 2011, Cluj-Napoca, Romania, pp. 259-267, ISSN 1223-057X., [INSPEC]
11	Teodosescu, P.D., Bojan, M., Vese, I.C., Marschalko, R., LED Drive Technology Based on CFL Ballast Topology, Acta Electrotehnica Journal, Mediamira Science Publisher, Volume 53, No.3, 2012, Cluj-Napoca, România, pp. 235-241, ISSN 1841-3323. [Google Scholar]
12	Vese I.C, Radulescu M.M., Marginenan C.I, Teodosescu P.D. , Hardware-in-the-Loop Simulation and Implementation of Direct Thrust-Force Control of Two Phase Tubular Permanent-Magnet Actuator, Proceedings of 2012 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2012), THETA 18th edition, May 24-27, 2012, Cluj-Napoca, Romania, pp. 156 – 160, [IEEE], [INSPEC] [Google Scholar].
13	Teodosescu, P.D., Bojan, M., Vese, I.C., Marschalko, R., Study of the improvement of a CFL's power factor by using a valley fill filter, Acta Electrotehnica Journal, Mediamira Science Publisher, Volume 53, No.1, 2012, Cluj-Napoca, România, pp. 74-80, ISSN 1841-3323.[Google Scholar]
14	Teodosescu, P.D., Bojan M., Vese, I.C., Marschalko R., Practical Implementation of a LC Resonant Converter for LED Lighting Applications, Proceedings of The 16th National Conference on Electrical Drives CNAE 2012, 10-12 Oct. 2012, Suceava, Romania, pp. 124 – 129, ISSN 1224-7928. [Google Scholar].
15	Paku R., Bojan M., Teodosescu,P.D., Marschalko, R., Performances of PWM ac-to-dc converters provided with active line conditioning control strategy under non-sinusoidal mains voltage conditions, Acta Electrotehnica Journal, Mediamira Science Publisher, Volume 54, No.3-4, 2013, Cluj-Napoca, România, pp. 230-237, ISSN 1841-3323. [Google Scholar].
16	Gros I.C, Radulescu M.M., Marginenan C.I, Teodosescu P.D., Electromagnetic and Dynamic Performance Analysis of a Two-Phase Permanent-Magnet Tubular Linear Actuator, Acta Electrotehnica Journal, Mediamira Science Publisher, Volume 56, No.4, 2015, Cluj-Napoca, România, pp. 171-174, ISSN 1841-3323, [Google Scholar]
17	Rusu T.,Teodosescu P.D, Pop A.C., Practical implementation of a half-bridge SRM converter for low power applications, Proceedings of the 18th national conference on electrical drives "CNAE 2016", Acta Electrotehnica Journal, Mediamira Science Publisher, Volume 57, No.3-4, 2016, Cluj-Napoca, România, pp. 473-477, ISSN 1841-3323, [Google Scholar]
18	Teodosescu P.D, Sabau S.M., Szekeley N.C., Bojan M., Marschalko R., Theoretical Analysis of the Commutation Frequency Range for a PWM AC-to-DC Converter with Current Hysteresis Modulation, Proceedings of the 18th national conference on electrical drives "CNAE 2016", Acta Electrotehnica Journal, Mediamira Science Publisher, Volume 57, No.3-4, 2016, Cluj-Napoca, România, pp. 473-477, ISSN 1841-3323, [Google Scholar]
19	Operating method of switched reluctance motor Patent Number(s): EP3121952-A1 Inventor(s): POP A C, RUSU T, TEODOSESCU P D, VINTILOIU I Patent Assignee Name(s) and Code(s): BROSE FAHRZEUGTEILE GMBH & CO WUERZBURG(BROS-C) Derwent Primary Accession Number: 2017-07831A [15]
20	ELECTRONIC DEVICE FOR LED LIGHTING SYSTEMS Patent Number(s): RO131169-A0 Inventor(s): TEODOSESCU P. D, SABAU M S, NORBERT C S, BOJAN M, MARSCHALKO R Patent Assignee Name(s) and Code(s): UNIV CLUJ-NAPOCA TEHNICA (UYCL-Non-standard) Derwent Primary Accession Number: 2016-318780 [36]

21	<p>Electro mechanical actuator with electronic control device Patent Number(s): RO131166-A0 Inventor(s): BREBAN S, CHIRCA M, NEAG A V, TEODOSESCU P D Patent Assignee Name(s) and Code(s): UNIV CLUJ-NAPOCA TEHNICA (UYCL-Non-standard) BMENERGY SRL (BMEN-Non-standard) Derwent Primary Accession Number: 2016-32056K [44]</p>
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Listă 10 lucrări selectate

1	<p>Operating method of switched reluctance motor Patent Number(s): EP3121952-A1 Inventor(s): POP A C, RUSU T, TEODOSESCU P D, VINTILOIU I Patent Assignee Name(s) and Code(s): BROSE FAHRZEUGTEILE GMBH & CO WUERZBURG(BROS-C) Derwent Primary Accession Number: 2017-07831A [15]</p>
2	<p>Teodosescu, P.D., Bojan, M., Marschalko, R., Resonant LED driver with inherent constant current and power factor correction, IET Electronics Letters , vol.50, no.15, pp.1086,1088, ISSN: 0013-5194, July 17, 2014. WOS:000340242300031</p>
3	<p>Teodosescu, P.D., Bojan, M., Vese I.C., Marschalko, R., Research Concerning Unified Electronic Lighting Devices, Proceedings of the Romanian Academy - series A:Mathematics, Physics, Technical Sciences, Information Science, ISSN : 1454-9069, Vol. 16, No.2, 2015. WOS:000357362300014</p>
5	<p>Teodosescu, P.D., Bojan, M., Denes, F., Marschalko, R. - Research concerning appropriate PFC methods for classic CFL lighting devices, Proceedings of the 15th International Power Electronics and Motion Control Conference, EPE-PEMC 2012, ECCE Europe, Novi Sad, Serbia, Sept. 4-6, 2012, WOS:000337270600061</p>
6	<p>P. D. Teodosescu, T. Rusu, C. S. Martis, A. C. Pop and I. Vintiloiu, "Considering half bridge converters for switched reluctance motor drive applications," 2015 Intl Aegean Conference on Electrical Machines & Power Electronics (ACEMP), 2015 Intl Conference on Optimization of Electrical & Electronic Equipment (OPTIM) & 2015 Intl Symposium on Advanced Electromechanical Motion Systems (ELECTROMOTION), Side, Turkey, 2015, pp. 186-191. WOS:000382957000034</p>
7	<p>Rusu T.,Teodosescu P.D, Pop A.C., Practical implementation of a half-bridge SRM converter for low power applications, Proceedings of the 18th national conference on electrical drives "CNAE 2016", Acta Electrotehnica Journal, Mediamira Science Publisher, Volume 57, No.3-4, 2016, Cluj-Napoca, România, pp. 473-477, ISSN 1841-3323, [Google Scholar]</p>
8	<p>Teodosescu, P.D., Negrea, S.T., Bojan, M., Marschalko, R., Local grid power quality improvements by the use of a high power factor LED device, Proceedings of IEEE 2014 49th International Universities Power Engineering Conference (UPEC), vol., no., pp.1,6, 2-5 Sept. 2014, WOS:000364087800171</p>
9	<p>Teodosescu, P.D., Bojan, M., Pop, A.A., Marschalko, R. - Buck-Boost Corrector Implementing for Compact Fluorescent Lamp Applications, Proceedings of the 13th International Conference on Optimization of Electrical and Electronic Equipments OPTIM 2012, May 24-26, 2012, Brasov, Romania, pp. 833 – 838, WOS:000337270600061</p>
10	<p>Teodosescu, P.D., Bojan, M., Vese, I.C., Marschalko, R., LED Drive Technology Based on CFL Ballast Topology, Acta Electrotehnica Journal, Mediamira Science Publisher, Volume 53, No.3, 2012, Cluj-Napoca, România, pp. 235-241, ISSN 1841-3323. [Google Scholar]</p>

b) Teza de doctorat

„Cercetări privind dezvoltarea balasturilor electronice cu corectarea factorului de putere”

conducător științific : Prof.dr.ing.Richard Marschalko

Universitatea Tehnică din Cluj Napoca

Susținere publică: 22.06.2012.

c) Brevete de Inventie

19	Operating method of switched reluctance motor Patent Number(s): EP3121952-A1 Inventor(s): POP A C, RUSU T, TEODOSESCU P D , VINTILOIU I Patent Assignee Name(s) and Code(s): BROSE FAHRZEUGTEILE GMBH & CO WUERZBURG(BROS-C) Derwent Primary Accession Number: 2017-07831A [15]
20	ELECTRONIC DEVICE FOR LED LIGHTING SYSTEMS Patent Number(s): RO131169-A0 Inventor(s): TEODOSESCU P. D , SABAU M S, NORBERT C S, BOJAN M, MARSCHALKO R Patent Assignee Name(s) and Code(s): UNIV CLUJ-NAPOCA TEHNICA (UYCL-Non- standard) Derwent Primary Accession Number: 2016-318780 [36]
21	Electro mechanical actuator with electronic control device Patent Number(s): RO131166-A0 Inventor(s): BREBAN S, CHIRCA M, NEAG A V, TEODOSESCU P D Patent Assignee Name(s) and Code(s): UNIV CLUJ-NAPOCA TEHNICA (UYCL-Non- standard) BMENERGY SRL (BMEN-Non-standard) Derwent Primary Accession Number: 2016-32056K [44]

d) Cărți și capitole în cărți

Cărți

1	Richard Marschalko, Fodor Dénes, Petre Dorel Teodosescu , Electronica Pentru Inginerii Electrotehnicieni, Vol.IV – Elemente Moderne De Electronica De Putere, Editura Mediamira, Cluj-Napoca, 2014.
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Capitole în cărți

1	Teodosescu P.D. , Marschalko R., Considerations Concerning the State of the Art and Future Trends in Compact Fluorescent Lamps, <i>vol.Promovarea dezvoltarii durabile in spatiul dunarean prin cooperare culturala si stiintifica, Sectiunea IV- Fizica si Stiinte ingineresti</i> , Editura Mediamira, Cluj-Napoca, 2010, pp. 308 -315, ISBN: 978-973-713-276-5.
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2	Teodosescu Petre Dorel , Szekely Norbert Csaba, Sabau Madalina Sabina, Bojan Mircea, Analysis of a resonant AC-AC LED driver, Intech OPTOELECTRONICS, ISBN 978-953-51-5219-4, 2017
3	Stefan Breban, Ioana Gros, Calin Marginean, Petre Teodosescu , Fuzzy logic energy management for a residential power system using renewable energy sources, Intech FUZZY CONTROL SYSTEMS, ISBN 978-953-51-5391-7, 2017
4	Ruba Mircea, Teodosescu Petre Dorel , Design, power electronics and torque control of switched reluctance machines, Intech SWITCHED RELUCTANCE MOTOR - CONCEPT, CONTROL AND APPLICATIONS, ISBN 978-953-51-5525-6, 2017

e) Articole/studii în extenso, publicate în reviste din fluxul științific internațional principal

Reviste ISI

1	Teodosescu, P.D. , Bojan, M., Marschalko, R., Resonant LED driver with inherent constant current and power factor correction, IET Electronics Letters , vol.50, no.15, pp.1086,1088, ISSN: 0013-5194, July 17, 2014. WOS:000340242300031
2	Teodosescu, P.D. , Bojan,M., Vese I.C., Marschalko, R., Research Concerning Unified Electronic Lighting Devices, Proceedings of the Romanian Academy - series A:Mathematics, Physics, Technical Sciences, Information Science, ISSN : 1454-9069, Vol. 16, No.2, 2015. WOS:000357362300014

Reviste BDI

1	Marschalko, R., Fodor, D., Teodosescu, P.D. , Bojan, M. Influence of DC-Link Capacitor Aging on the PWM Converters Operation, Acta Electrotehnica Journal, Mediamira Science Publisher, Volume 52, No.4, 2011, Cluj-Napoca, România, pp. 197-202, ISSN 1841-3323, [Google Scholar]
2	Vese I.C., Radulescu M.M., Teodosescu P.D. , Marginenan C.I., Tubular permanent-magnet actuators for linear direct-drive systems, Electromotion Journal, Vol 18, 2011, Cluj-Napoca, Romania, pp. 259-267, ISSN 1223-057X., [INSPEC]
3	Teodosescu, P.D. , Bojan, M., Vese, I.C., Marschalko, R., LED Drive Technology Based on CFL Ballast Topology, Acta Electrotehnica Journal, Mediamira Science Publisher, Volume 53, No.3, 2012, Cluj-Napoca, România, pp. 235-241, ISSN 1841-3323. [Google Scholar]
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7	Rusu T., Teodosescu P.D. , Pop A.C., Practical implementation of a half-bridge SRM converter for low power applications, Proceedings of the 18th national conference on electrical drives "CNAE 2016", Acta Electrotehnica Journal, Mediamira Science Publisher, Volume 57, No.3-4, 2016, Cluj-Napoca, România, pp. 473-477, ISSN 1841-3323, [Google Scholar]
8	Teodosescu P.D. , Sabau S.M., Szekeley N.C., Bojan M., Marschalko R., Theoretical Analysis of the Commutation Frequency Range for a PWM AC-to-DC Converter with Current Hysteresis Modulation, Proceedings of the 18th national conference on electrical drives "CNAE 2016", Acta Electrotehnica Journal, Mediamira Science Publisher, Volume 57, No.3-4, 2016, Cluj-Napoca, România, pp. 473-477, ISSN 1841-3323, [Google Scholar]

f) Publicații în extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate

Conferințe ISI Proceedings

1	Teodosescu, P.D. , Bojan, M., Denes, F., Marschalko, R. - Research concerning appropriate PFC methods for classic CFL lighting devices, Proceedings of the 15th International Power Electronics and Motion Control Conference, EPE-PEMC 2012, ECCE Europe, Novi Sad, Serbia, Sept. 4-6, 2012, WOS:000337270600061
2	Teodosescu, P.D. , Bojan, M., Pop, A.A., Marschalko, R. - Buck-Boost Corrector Implementing for Compact Fluorescent Lamp Applications, Proceedings of the 13th International Conference on Optimization of Electrical and Electronic Equipments OPTIM 2012, May 24-26, 2012, Brasov, Romania, pp. 833 – 838, WOS:000337270600061
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5	P. D. Teodosescu , T. Rusu, C. S. Martis, A. C. Pop and I. Vintiloiu, "Considering half bridge converters for switched reluctance motor drive applications," 2015 Intl Aegean Conference on Electrical Machines & Power Electronics (ACEMP), 2015 Intl Conference on Optimization of Electrical & Electronic Equipment (OPTIM) & 2015 Intl Symposium on Advanced Electromechanical Motion Systems (ELECTROMOTION), Side, Turkey, 2015, pp. 186-191. WOS:000382957000034
6	Chirca M., Oprea C.A. , Teodosescu P.D. , Breban S., Optimal Design of a Radial Flux Spoke-Type Interior Rotor Permanent Magnet Generator for Micro-Wind Turbine Applications, ICATE 2016, WOS:000390767500045

Conferințe BDI

1	Vese I.C, Radulescu M.M., Marginenan C.I, Teodosescu P.D. , Hardware-in-the-Loop Simulation and Implementation of Direct Thrust-Force Control of Two Phase Tubular Permanent-Magnet Actuator, Proceedings of 2012 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2012), THETA 18th edition, May 24-27,
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	2012, Cluj-Napoca, Romania, pp. 156 – 160, [IEEE], [Google Scholar].
2	Teodosescu, P.D. , Bojan M., Vese, I.C., Marschalko R., Practical Implementation of a LC Resonant Converter for LED Lighting Applications, Proceedings of The 16th National Conference on Electrical Drives CNAE 2012, 10-12 Oct. 2012, Suceava, Romania, pp. 124 – 129, ISSN 1224-7928. [Google Scholar].

g) Contracte de cercetare

Director de proiect

1	Proiect: Dispozitiv inovativ de protectie a rețelei de energie electrică fata de consumatorii electronici cu factor de putere redus. IEDPFC Finantat de MEN-UEFISCDI prin programul National de Cercetare PNII - PARTENERIATE ÎN DOMENII PRIORITARE – PCCA 2014 Cod proiect: PN-II-PT-PCCA-2013-4-0914 Numar de contract: 60/2014 Valoarea totală a proiectului: 1.550.000 lei Director de proiect: șl.dr.ing. Petre Dorel TEODOSESCU
2	Proiect: Micro-invertoare cu densitate mare de putere si eficienta ridicata pentru surse regenerabile de energie – MICROINV Acțiunea: POC-A1-A1.2.3-G-2-15 Parteneriate pentru transfer de cunoștințe Nr. contract de finanțare: 16/1.09.2016 Date de identificare proiect: ID: P_40_391, MySMIS: 105616 Valoarea totală a proiectului: 8.833.750 lei Director de proiect: șl.dr.ing. Petre Dorel TEODOSESCU

Membru echipă proiect

1	Proiect:Sistem de Propulsie Electromagnetică Lejer si Eficient Energetic pentru Vehicule Electrice (ELIMPUS). Proiect PN II-CNCSIS Nr. contract TE 30/2015. Valoarea totală a proiectului - 549 930 lei. Director de proiect: conf.dr. ing. Daniel FODOREAN
2	Proiect: Tehnologii avansate pentru vehicule electrice urbane inteligente – URBIVEL Acțiunea: POC-A1-A1.2.3-G-2-15 Parteneriate pentru transfer de cunoștințe Nr. contract de finanțare: 11/01.09.2016 Date de identificare proiect: ID: P_40_333, MySMIS: 105565 Valoarea totală a proiectului: 15.682.673,75 lei Director de proiect: prof.dr.ing. Claudia Steluța MARȚIȘ
3	Proiect: Optimal Low-Noise Energy-Efficient Electrical Machines and Drives for Automotive Applications (EMDA_LoOp) Proiect FP7 Marie Curie Industry-Academia Partnerships and Pathways (IAPP) Parteneri: Universitatea Tehnică din Cluj-Napoca și Brose Fahrzeugteile GmbH & Co. (Germania) Finanțator: Comisia Europeană Director de proiect: Claudia MARȚIȘ 2013-2016 http://www.emda-loop.com

4

Strengthening the Research Potential of CAREESD in the Field of Electromechanical Systems and Power Electronics for Sustainable Applications (ESPESA)
Proiect H2020: H2020-TWINN-2015 - Twinning Coordination and support actions
Finanțator: Comisia Europeană
Director de proiect: Claudia MARȚIȘ
2016-2018
www.espesa.utcluj.ro

Data

29.05.2017

Semnătura

S.L.Dr.Ing. Teodosescu Petre Dorel

