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**Lucrări științifice, cărți și brevete în domeniul disciplinelor din postul didactic
(2000-2010)**

A. Lucrări indexate ISI/BDI

| Nr. crt. | An, luna | Autor(i) | Titlu lucrare | Volumul ISI Proceedings in care a fost publicata lucrarea | Pag., nr. pagini | ISBN | Site web conferinta |
|----------|------------------|--|---|--|--------------------------|---|---|
| 1 | 2005, mai | Marignetti, F.; Delli Colli, V.; Cancelliere, P.; Scarano, M.; Boldea, I.; Topor, M | A Fractional Slot Axial Flux PM Direct Drive | Electric Machines and Drives, 2005 IEEE International Conference | Pp. 689 – 695, 7 pag. | E-ISBN: 0-7803-8988-3 Print ISBN: 0-7803-8987-5 | http://ieeexplore.ieee.org |
| 2 | 2009, septembrie | Deaconu, Sorin Ioan; Topor, Marcel; Tutelea, Lucian; Popa, Gabriel Nicolae; Abrudean, Cristian | Mathematical model of a reactive homopolar synchronous machine with stator excitation | Power Electronics and Applications, 2009. EPE '09. 13th European Conference on 8-10 Sept. 2009 | Pp. 1 – 9 | 978-1-4244-4659-0 | www.ieee.org |
| 3 | 2009, iulie | Bistriean, D.A., Dragomirescu, I., Muntean, S., Topor, M | Numerical Methods For Convective Hydrodynamic Stability Of Swirling Flows | Recent Advances In Systems, Proceedings Of The 13 th Wseas International Conference On Systems, Rodos, Grecia, Indexata Isi | pp. 283-288, 6 pg. | 978-960-474-097-0 | http://www.wseas.us/conferences/2009/rodos/ics/ |
| 4 | 2009, iulie | Deaconu Sorin Ioan, Topor Marcel, Popa Gabriel Nicolae, Bistriean Diana Alina | Analysis Of Hybrid Power System Incorporating Squirrel Cage Induction Generators | Recent Advances In Systems, Proceedings Of The 13 th Wseas International Conference On Systems, Rodos, Grecia, Indexata Isi | pp. 289-294, 6 pg. | 978-960-474-097-0 | http://www.wseas.us/conferences/2009/rodos/ics/ |
| 5 | 2009 | Deaconu, S.I.; Topor, M.; Popa, G.N.; Popa, I; | Comprehensive Analysis For Modernization Of 100 T Electric Arc Furnace For Steel Production | Iecon '09. 35th Annual Conference Of Ieee Industrial Electronics, 2009. | 6 | | www.ieee.org |
| 6 | 2009 | Deaconu, S.I.; Topor, M.; Tutelea, L.; Popa, G.N.; Abrudean, C.; | Modeling And Experimental Investigations Of A Reactive Homo-Heteropolar Brushless Synchronous Machine | Industrial Electronics, 2009. Iecon '09. 35th Annual Conference Of Ieee | 6 | 978-1-4244-3476-3 | www.ieee.org |
| 7 | 2009, decembrie | Gelu Ovidiu Tirian, Camelia Bretotean Pinca, Daniela Cristea, Marcel Topor | Research On The Elimination Of Cracks In Continuous Casting Plant Using Fuzzy Logic | Recent Advances In Circuits, Systems, Electronics, Control And Signal Processing- Proceedings Of The 8-Th Wseas International Conference On Circuits, Systems, Electronics, Control And Signal Processing, Puerto De La Cruz, Canary Islands, 14-16 December, Spania, Indexata Isi | PP. 273-278, 6 PAG | 978-960-474-139-7 | www.wseas.us/conferences/2009 |
| 8 | 2010, iulie | Sorin Ioan Deaconu, Marcel Topor, Gabriel Nicolae Popa, Tihomir Latinovic | Improvement Of The Eaf's Energetic Parameters Using Capacitive inductive Filters | Latest Trends On Systems (Volume I), Proceedings Of The 14-Th Wseas International Conference On Systems, Corfu Island, Grecia, 22-24 Iulie, Indexata Isi | pp. 474-479, 6 pag. | 978-960-474-199-1 | www.wseas.us/conferences/2010 |

B. Lucrări publicate în reviste și volume de conferințe cu referenți

Reviste

| Nr. crt. | An, luna | Autor(i) | Titlu articol | Revista in care a fost publicat articolul | Nr. vol., pag., nr. pagini | ISSN | Site web revista | Clasificare CNCIS |
|----------|-----------------|---|---|---|--|-----------|---|-------------------|
| 1 | 2008, aprilie | Topor, Marcel; Chun, Yon-Do; Koo, Dae-Hyun; Han, Pil-Wan; Woo, Byung-Chul; Boldea, Ion | Application of flux reversal principle for axial flux permanent magnet machines | Journal of Applied Physics Volume 103, Issue 7 | Pp. 07F127 - 07F127-3; | 0003-6951 | http://jap.aip.org | Indexata ISI |
| 2 | 2008 | Tutelea, L.N.; Myung Chin Kim; Topor, M.; Ju Lee; Boldea, I.; | Linear Permanent Magnet Oscillatory Machine: Comprehensive Modeling For Transients With Validation By Experiments | Ieee Transactions On Electronics/ Vol 55, Issue: 2 | 3 pag. | 0278-0046 | http://www.trans-ie.uni-wuppertal.de/ | Indexata ISI |
| 3 | 2010, noiembrie | Deaconu Sorin Ioan , Topor Marcel, Popa Gabriel Nicolae , Bistriean Diana | Experimental Study and Comparative Analysis of Transients of Induction Motor with Soft Starter Startup | Advances in Electrical and Computer Engineering, Suceava, Romania | Volume 10, Number 3, 2010, pp.27-33 | 1582-7445 | http://www.aece.ro/ | Indexata ISI |

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| Nr. crt. | An, luna | Autor(i) | Titlu lucrare | Conferinta internationala (nume, loc, perioada de desfasurare,vol.) | Pag., nr. pagini | ISBN | Site web conferinta |
|----------|---------------------|---|---|--|-------------------------|------------------------|--|
| 4 | 2009, aprilie | Deaconu Sorin, Topor Marcel, Popa Gabriel, Bistriean Diana | Application of the squirrel cage asynchronous machine working as single phase generator in microhydro power plants | International Symposium Interdisciplinary Regional Research ISIRR 2009, Romania-Hungary-Serbia, Hunedoara, 23-24 April, 2009, Annals Of Faculty Engineering Hunedoara , Journal Of Engineering Tome VII, Fascicule 3 | pp.324-331, 8 pag. | 1584-2673, | www.fih.upt.ro |
| 5 | 2010, 4-5 noiembrie | Bistriean Diana, Osaci Mihaela, Topor Marcel | Solutions To Accelerate Matlab Programs With GPU Computing | International Symposium on Advanced Engineering & Applied Management, 40 th Anniversary in Higher Education (1970-2010) | pp. II59-II64 6 pag. | ISBN 978-973-0-09340-7 | www.fih.upt.ro |
| 6 | 2010, 4-5 noiembrie | Bistriean Diana, Osaci Mihaela, Topor Marcel | Numerical Investigation Of Swirling Flows Stability Using Matlab Distributed Computing Server On A Windows Operating System Environment | International Symposium on Advanced Engineering & Applied Management, 40 th Anniversary in Higher Education (1970-2010) | pp. II71-II78 6 pag. | ISBN 978-973-0-09340-7 | www.fih.upt.ro |