

## LIST OF PAPERS

Candidate: **Sorin MUȘUROI**,  
Ph.D (2000)  
Associate Professor (2007)

### a) Papers considered by the candidate to be the most relevant (10 papers)

1. **Mușuroi Sorin**, Olărescu Nicola Valeriu, Vătău Doru, Șorândaru Ciprian, *Equivalent parameters of induction machines windings in permanent regime. Theoretical and experimental determination*, Proceedings of the 9th WSEAS International Conference on POWER SYSTEMS (PS '09), Budapest Tech, Hungary, 3-5 Septembrie, pp. 55-62, ISBN 978-960-474-112-0, ISSN 1790-5117, 2009 – **ISI Proceedings**.
2. **Mușuroi Sorin**, Șorândaru Ciprian, Olărescu Nicola Valeriu, Marcus Svoboda, *Mathematical Model of Three-Phase Asynchronous Servomotors in Stationary Non-sinusoidal Regime*, Proceedings of the 9th WSEAS International Conference on POWER SYSTEMS (PS '09), Budapest Tech, Hungary, 3-5 Septembrie, pp. 123-126, ISBN 978-960-474-112-0, ISSN 1790-5117, 2009– **ISI Proceedings**.
3. **Mușuroi Sorin**, Vătău Doru, Andea Petru, Șurianu Flaviu, Frigură-Iliasa Flaviu, Bărbulescu Constantin, *Analysis of the Magnetic Losses from the Induction Machines Supplied by Inverters*, Proceedings of The International Conference on Computer as a Tool, IEEE Region 8, EUROCON 2007, Warsaw, Poland, 9-12 Septembrie, pp. 1800-1809, ISBN 1-4244-0813-X, Library Of Congress 2006937182, 2007 – **ISI Proceedings**.
4. **Mușuroi Sorin**, Svoboda Marcus, Șorândaru Ciprian, Koblara Thomaque, Olărescu Nicola Valeriu, *Deep bar effects produced by PWM power supplies in induction machines: Application to rotor Parameters determination*, Conference Proceeding of International Conference on Computer as a Tool - Joint with Conftele, EUROCON 2011, Lisbon, Code 85630, 27 - 29 Aprilie, art. no. 5929282, 4 pagini, ISBN 978-142447486-8, 2011 – **IEEE, SCOPUS, INSPEC Proceedings**.
5. **Mușuroi Sorin**, Șorândaru Ciprian, Greconici Marian, Olărescu Nicola Valeriu, Weinman Martin, *Low-Cost Ferrite Permanent Magnet Assisted Synchronous Reluctance Rotor an Alternative Solution for Rare Earth Permanent Magnet Synchronous Motors*, Proceedings of 39th Annual Conference of the IEEE Industrial-Electronics-Society (IECON), Vienna, 10-14 Noiembrie, pp. 2966-2970, ISBN 978-1-4799-0224-8, ISSN 1553-572X, 2013 – **ISI Proceedings**.
6. Șorândaru Ciprian, **Mușuroi Sorin**, Svoboda Marcus, Olărescu Nicola Valeriu, Popovici Dorin, *Field Oriented Control Drives for Naval Mechanism*, Proceedings EUROCON 2009, EUROCON '09. International Conference of IEEE, Saint Petersburg, Russia, 18-23 Mai, pp. 717-720, ISBN 978-1-4244-3861-6, 2009 – **ISI Proceedings**.
7. Olărescu Nicola Valeriu, **Mușuroi Sorin**, Șorândaru Ciprian, Frigură-Iliasa Flaviu, *Scalar control systems with permanent magnet synchronous motors with sinusoidal current control. Calculatin of speed controller parameters*, Revue Roumaine des Sciences Techniques. Serie Electrotechnique et Energetique, Tome 57, Issue 1, pp. 70-79, ISSN 0035-4066, 2012 – **ISI Journal**.
8. Olărescu Nicola Valeriu, **Mușuroi Sorin**, *Enhanced Simplified Control Algorithm for Surface-mounted Permanent Magnet Synchronous Motors with Sinusoidal Excitation*, Conference Proceedings 4th International Power Electronics and Motion Control, Conference IPEMC 2004, Xi'am, China, 14-16 August, pp. 1049-1053, ISBN 7-5605-1869-9, 2004 – **ISI Proceedings**.
9. Olărescu Nicola Valeriu, **Mușuroi Sorin**, Șorândaru Ciprian, Weinmann Martin, Zeh Stefan, *Optimum Current Control for Wide Speed Range operation of PMSM Drive Without*

- regenerative Unit Utilizing PWM-VSI Overmodulation*, Proceedings of 13th International Conference on Optimization of Electrical and Electronic Equipment OPTIM 2012, Braşov, 24-26 Mai, pp. 612-617, ISBN 978-1-4673-1652-1, 2012- **IEEE, SCOPUS, INSPEC Proceedings**.
10. Olărescu Nicola Valeriu, Weinmann Martin, Zeh Stephan, **Muşuroi Sorin**, Şorândaru Ciprian, *Optimum Current Reference Generation Algorithm for Four Quadrant Operation of PMSMS Drive System without Regenerative Unit*, IEEE INTERNATIONAL SYMPOSIUM ON INDUSTRIAL ELECTRONICS (ISIE 2010), Conference Proceeding, Bari, Italia, 4-7 Iulie, pp. 1408-1413, ISBN 978-1-4244-6391-6, 2010 - **ISI Proceedings**.

## **b) PhD Thesis**

The PhD theses in Electrical Engineering domain, entitled *Analysis of the behavior of low and medium power three-phase squirrel cage induction motors at their power network supplying through a static frequency converter* was defended in April 2000. The PhD jury was composed by Prof. Dr. Ing. Novac Ioan (scientific coordinator), Prof. dr. Ing. Toader Dumitru (president – Politehnica University of Timișoara), Prof. Dr. Ing. Iancu Vasile (member – Technical University Cluj Napoca), Prof.dr.ing. Câmpeanu Aurel (member – University of Craiova) and Academician Dordea Toma (member - Politehnica University of Timișoara). The PhD title was awarded in Electrical Engineering by the Ministry of Education and Research, on the basis of Order no. A209 /20.07.2000.

**Muşuroi Sorin**, *Analysis of the behavior of low and medium power three-phase squirrel cage induction motors at their power network supplying through a static frequency converter*, 213 pages, Timișoara, 2000.

## **c) Books by ISBN / chapters as international copyright**

1. Rui Estevez Araujo, **Sorin Muşuroi**, sa., *Induction motor. Modelling and control, Chapter 2. The Behavior in Stationary Regime of an Induction Motor Powered by Static Frequency Converters*, pp. 45 – 72, Edit. InTech Europe, Rijeka, Croatia, ISBN 979-953-307-716-0, 2012.

## **d) Books by ISBN / chapters as international copyright**

1. **Muşuroi Sorin**, *Maşina de inducție alimentată prin convertoare statice de frecvență*, Edit. Eurostampa, nr. pp. 140, ISBN 978-606-569-815-4, 2014.
2. Valentin Năvrăpescu, Constantin Ghiță, **Sorin Musuroi**, *Maşini și acționări electrice*, Edit. Academiei Oamenilor de Știință din România, nr. pp. 149, (pers. contr. 49 pages), ISBN 978-606-837-139-9, 2011.
3. **Sorin Muşuroi**, Dorin Popovici, *Acționări electrice cu servomotoare*, Edit. Politehnica Timișoara, nr. pp 537 (pers. contr. 270 pages), ISBN (10) 973-625-352-X, ISBN(13) 978-973-625-352-2, 2006.

## **e) Teaching Support. Electronic course support**

1. **Sorin Muşuroi**, *Servomotoare și controlul inteligent al mișcării*, [www.et.upt.ro](http://www.et.upt.ro), no. pp. 178, 2009.
2. **Sorin Muşuroi**, *Controlul acționărilor electrice*, [www.et.upt.ro](http://www.et.upt.ro), no. pp. 109, 2009.

## **f) Teaching Suport. Guidance Laboratory / applications**

1. Gheorghe Atanasiu, **Sorin Muşuroi**, Dorin Popovici, *Modelare dinamică prin SIMULINK. Maşini electrice. Acționări electrice. Convertoare statice*, Editura Politehnica Timișoara., pp. 162 (pers. contr. 36 pages), ISBN (10) 973-625-351-X, ISBN(13) 978-973-625-351-5, 2006.

2. Ștefan Bartzler, **Sorin Mușuroi**, *Bazele tehnologiei produselor electrotehnice*, Îndrumător de lucrări, Litografia Universității POLITEHNICA Timișoara, nr. pp. 182 (pers. contr. 91 pages, 50%), 1998.
3. Ștefan Bartzler, **Sorin Mușuroi**, *Tehnologia de fabricație a produselor electrotehnice*, Îndrumător de lucrări, Litografia Universității POLITEHNICA Timișoara, nr. pp. 182 (pers. contr. 91 pages, 50%), 1997.

## **g) Articles published in international journals (ISI, BDI)**

### **g. 1) ISI Journals**

1. Vătău Doru, **Mușuroi Sorin**, Bărbulescu Constantin, Babescu Marius, *PV systems modelling and optimal control*, Energy Conversion and Management, Volume 84, August 2014, pp. 448-456, ISSN 0196-8904.
2. Olărescu Nicola Valeriu, **Mușuroi Sorin**, Șorândaru Ciprian, Frigură-Iliasa Flaviu, Mihai, *Scalar control systems with permanent magnet synchronous motors with sinusoidal current control. Calculatin of speed controller parameters*, Revue Roumaine des Sciences Techniques. Serie Electrotechnique et Energetique, Tome 57, Issue 1, pp. 70-79, ISSN 0035-4066, 2012.

### **g. 2) BDI Journals**

1. Olărescu Nicola Valeriu, Weinmann Martin, **Mușuroi Sorin**, Șorândaru Ciprian, *Novel flux-weakening control algorithm for PMSM with large DC-link variations utilizing PWM-VSI overmodulation*, Electromotion, Vol. 20, No. 1–4, pp. 53–59, ISSN 1223-057X, 2013.
2. Nanu Sorin, Lie Ioan, Belgiu George, **Mușuroi Sorin**, *High Speed Digital Controller Implemented with FPGA Board*, Scientific Bulletin of the Politehnica University of Timișoara - Transactions on Electronics and Communications, Volume 5569, Number 2, pp. 17-22, ISSN 1583-3380, 2010.
3. **Mușuroi Sorin**, Olărescu Nicola Valeriu, Vătău Doru, Șorândaru Ciprian, *Theoretical and Experimental Determination of Equivalent Parameters of Three-Phase Induction Motor Windings in Case of Power Electronic Converters Supply*, WSEAS Transactions on Systems, Volume 8, Issue 10, October, pp. 1115-1124, ISSN 1109-2777, 2009.
4. **Mușuroi Sorin**, Șorândaru Ciprian, Olărescu Nicola Valeriu, Marcus Svoboda, *Mathematical Model Associated to Three-Phase induction Servomotors in the Case of Scalar Control*, WSEAS Transactions on Systems, Volume 8, Issue 10, October, pp. 1125-1134, ISSN 1109-2777, 2009.
5. Marincu Adrian, Greconici Marian, **Mușuroi Sorin**, *The Electromagnetic Field Around a High Voltage 400 kV Electrical Overhead Lines and the Influence on the Biological Systems*, Facta Universitatis, Series: Electronics and Energetics, University of Nis, Serbia and Montenegro, Vol. 18, No.1, April, pp. 105-111, ISSN 0353-3670, COBISS. SR-ID 12826626, 2005.
6. **Mușuroi Sorin**, Olărescu Nicola Valeriu, *The Equivalent Factors Determination of Rotor Parameters Modification In Case of Cage Induction Motors Supplied By Static Frequency Converter*, Applied Research Review on Technology and Automation, Athens Piraeus, Greece, Vol. I, No.1, pp. 363-366, ISSN – 1109-2262, 2000.
7. **Mușuroi Sorin**, Bogoevici Gheorghe, *Theoretical Aspects Regarding the Penetration Deepness of the Electromagnetic Field in Rotor Bars, Placed in Randomised Slots, in Case of Induction Motors, Having as Source of Supply the Static Frequency Converters*, Buletinul Institutului Politehnic Iași, Conferința Internațională de Inginerie Electrică și Energetică, EPE-ETH 1999, Iași, Tomul XLV(IL), Fasc. 5, pp. 202-205, ISSN 0258-9109, 1999.

## **h) Articles published in international conferences**

### **h.1) ISI Proceedings**

1. **Muşuroi Sorin**, Şorândaru Ciprian, Greconici Marian, Olărescu Nicola Valeriu, Weinman Martin, *Low-Cost Ferrite Permanent Magnet Assisted Synchronous Reluctance Rotor an Alternative Solution for Rare Earth Permanent Magnet Synchronous Motors*, Proceedings of 39th Annual Conference of the IEEE Industrial-Electronics-Society (IECON), Vienna, 10-14 November, pp. 2966-2970, ISBN 978-1-4799-0224-8, ISSN 1553-572X, 2013.
2. Şorândaru Ciprian, Babescu Marius, **Muşuroi Sorin**, *Load control method for photovoltaic solar panels based on the measurement of short circuit currents*, Proceedings of 17th International Conference System Theory, Control and Computing (ICSTCC), Sinaia, 11-13, October, pp. 503-506, ISBN 978-1-4799-2228-4, ISSN 978-1-4799-2227-7, 2013.
3. Babescu Marius, Şorândaru Ciprian, **Muşuroi Sorin**, Svoboda Marcus, Olărescu Nicola Valeriu, *An Approach on Mathematical Modeling of Photovoltaic Solar Panels*, Proceedings of 8th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI) 2013, Timișoara, 23-25 May, pp. 239-243, ISBN 978-1-4673-6400-3, 978-1-4673-6397-6, 2013.
4. Olărescu Nicola Valeriu, Weinmann Martin, Zeh Stefan, **Muşuroi Sorin**, Şorândaru Ciprian, *Control of Wide Speed Range PMSM Drives with Large DC-Link Variations without Regenerative Unit utilizing PWM-VSI overmodulation*, Proceedings of 4th Annual IEEE Energy Conversion Congress&Exposition ECCE 2012, Raleigh, North Carolina, 15-20 September, pp. 831-837, ISBN 978-1-4673-0801-42012, 2012.
5. Olărescu Nicola Valeriu, Weinmann Martin, Zeh Stephan, **Muşuroi Sorin**, Şorândaru Ciprian, *Optimum torque control algorithm for wide speed range and four quadrant operation of stator flux oriented induction machine drive without regenerative unit*, Proceedings of 3rd Annual IEEE Energy Conversion Congress and Exposition, ECCE 2011, Conference Proceeding, Phoenix, AZ; Code 87357, 17 September, pp. 1773-1777, ISBN 978-145770542-7, 2011.
6. Olărescu Nicola Valeriu, Weinmann Martin, Zeh Stephan, **Muşuroi Sorin**, Şorândaru Ciprian, *Optimum Current Reference Generation Algorithm for Four Quadrant Operation of PMSMS Drive System without Regenerative Unit*, IEEE INTERNATIONAL SYMPOSIUM ON INDUSTRIAL ELECTRONICS (ISIE 2010), Conference Proceeding, Bari, Italia, 4-7 July, pp. 1408-1413, ISBN 978-1-4244-6391-6, 2010.
7. Olărescu Nicola Valeriu, Weinmann Martin, Zeh Stephan, **Muşuroi Sorin**, Şorândaru Ciprian, *Optimum Current Reference Generation Algorithm for PMSMS Drive System for Wide Speed Range*, MELECON 2010, THE 15TH IEEE MEDITERRANEAN ELECTROTECHNICAL CONFERENCE, Conference Proceeding, Malta, 25-28 April, pp. 1073-1077, ISBN 978-1-4244-5795-3, 2010.
8. Koblara Thomaque, Şorândaru Ciprian, **Muşuroi Sorin**, Svoboda Marcus, *A low voltage sensorless switched reluctance motor drive using flux linkage method*, Proceedings of the International Conference on Optimisation of Electrical and Electronic Equipment, OPTIM 2010, 20 - 22 May, pp. 665-672, ISSN 18420133, ISBN 978-142447019-8, 2010.
9. Olărescu Nicola Valeriu, **Muşuroi Sorin**, Şorândaru Ciprian, Weinmann Martin, Zeh Stephan, *Optimum Current Command Algorithm for Wide Speed Range and Four Quadrant Operation of PMSMS Drive without Regenerative Unit*, Proceedings of the International Conference on Optimisation of Electrical and Electronic Equipment, OPTIM 2010, 20 - 22 May, pp. 704-709, ISSN 18420133, ISBN 978-142447019-8, 2010.
10. **Muşuroi Sorin**, Olărescu Nicola Valeriu, Vătău Doru, Şorândaru Ciprian, *Equivalent parameters of induction machines windings in permanent regime. Theoretical and experimental determination*, Proceedings of the 9th WSEAS International Conference on POWER SYSTEMS (PS '09), Budapest Tech, Hungary, 3-5 September, pp. 55-62, ISBN 978-960-474-112-0, ISSN 1790-5117, 2009.

11. **Muşuroi Sorin**, Şorândaru Ciprian, Olărescu Nicola Valeriu, Svoboda Marcus, *Mathematical Model of Three-Phase Asynchronous Servomotors in Stationary Non-sinusoidal Regime*, Proceedings of the 9th WSEAS International Conference on POWER SYSTEMS (PS '09), Budapest Tech, Hungary, 3-5 September, pp. 123-126, ISBN 978-960-474-112-0, ISSN 1790-5117, 2009.
12. Şorândaru Ciprian, **Muşuroi Sorin**, Svoboda Marcus, Olărescu Nicola Valeriu, Popovici Dorin, *Field Oriented Control Drives for Naval Mechanism*, Proceedings EUROCON 2009, EUROCON '09. International Conference of IEEE, Saint Petersburg, Russia, 18-23 May, pp. 717-720, ISBN 978-1-4244-3861-6, 2009.
13. Olărescu Nicola Valeriu, Weinmann Martin, Zeh Samuel, **Muşuroi Sorin**, *Novel Flux Weakening Control Algorithm for PMSMS*, Proceedings of 2009 International Conference on Power Engineering Energy and Electrical Drives, Lisbon, IEEE Ind. Elect. Soc., 18-20 March, pp. 123-127, ISBN 978-1-4244-4611-7, 2009.
14. Vătău Doru, Frigură-Iliasa Flaviu, Bărbulescu Constantin, **Muşuroi Sorin**, *“On Line” Control of a Power Process. Fuzzy-logic Applications*, Proceedings of the 8th WSEAS International Conference on POWER SYSTEMS (PS 2008), Santander, Cantabria, Spain, 23-25 September, pp. 277-280, ISBN 978-960-474-006-2, ISSN 1790-5117, 2008.
15. Vătău Doru, Frigură-Iliasa Flaviu, Bărbulescu Constantin, **Muşuroi Sorin**, *A Few Aspects Concerning the On-voltage Working Techniques Applied at S.T. Timisoara, as a Way of Reducing All Maintenance Costs and to Increase the Availability of the Power Lines*, Proceedings of the 8th WSEAS International Conference on POWER SYSTEMS (PS 2008), Santander, Cantabria, Spain, 23-25 September, pp. 34-39, ISBN 978-960-474-006-2, ISSN 1790-5117, 2008.
16. Olărescu Valeriu, **Muşuroi Sorin**, Şorândaru Ciprian, Atanasiu Gheorghe, *Enhanced Current-Sensorless Drive System for PMSMS Using Two Hall-Effect Sensors for Wide Speed Range*, Proceedings of the 11th International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2008, Braşov 22-23 May, pp. 87-92, ISBN 978-973-131-030-5, Library of the Congress: 2007905111, 2008.
17. **Muşuroi Sorin**, Vătău Doru, Andea Petru, Şurianu Flaviu, Frigură-Iliasa Flaviu, Bărbulescu Constantin, *Analysis of the Magnetic Losses from the Induction Machines Supplied by Inverters*, Proceedings of The International Conference on Computer as a Tool, IEEE Region 8, EUROCON 2007, Warsaw, Poland, 9-12 September, pp. 1800-1809, ISBN 1-4244-0813-X, Library Of Congress 2006937182, 2007.
18. Madescu Gheorghe, Biriescu Marius, Greconici Marian, **Muşuroi Sorin**, Moţ Marţian, *Field Analysis of Induction Machine Using Two Different Models*, Proceedings International Aegean Conference on Electrical Machines and Power Electronics&Electromotion, Bodrum, Turkey, 10-12 September, pp. 616-620, ISBN 978-975-93410-2-2, 2007.
19. Olărescu Nicola Valeriu, **Muşuroi Sorin**, *Enhanced Simplified Control Algorithm for Surface-mounted Permanent Magnet Synchronous Motors with Sinusoidal Excitation*, Conference Proceedings 4th International Power Electronics and Motion Control, Conference IPEMC 2004, Xi'am, China, 14-16 August, pp. 1049-1053, ISBN 7-5605-1869-9, 2004.

## **h.2) BDI Proceedings**

1. Svoboda Marcus, Frigură-Iliasa Flaviu, **Muşuroi Sorin**, Şorândaru Ciprian, *The implementation of the fuzzy logic controller for permanent magnet synchronous machines*, Conference Proceeding IEEE EuroCon 2013, Zagreb, Croatia, 1- 4 July, pp. 1988-1991, ISBN 978-146732232-4, 2013.
2. Babescu Marius, Şorândaru Ciprian, **Muşuroi Sorin**, Svoboda Marcus, *Dynamics of the Diesel Wind System with Asynchronous Generators*, Proceedings of 7th IEEE International Symposium on Applied Computational Intelligence and Informatics, Timişoara, SACI 2012, 24-26 May, pp. 359-364, ISBN 978-1-4673-1011-6, 2012.

3. Olărescu Nicola Valeriu, **Muşuroi Sorin**, Şorândaru Ciprian, Weinmann Martin, Zeh Stefan, *Optimum Current Control for Wide Speed Range operation of PMSM Drive Without regenerative Unit Utilizing PWM-VSI Overmodulation*, Proceedings of 13th International Conference on Optimization of Electrical and Electronic Equipment OPTIM 2012, Braşov, 24-26 May, pp. 612-617, ISBN 978-1-4673-1652-1, 2012.
4. Babescu Marius, Olărescu Valeriu Nicola, Şorândaru Ciprian, Greconici Marian, **Muşuroi Sorin**, *Control of a wind system at an optimal speed*, Conference Proceeding of 6th IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2011, Timişoara, 19-21 May, pp. 555 – 558, ISBN 978-142449109-4, 2011.
5. Babescu Marius, Şorândaru Ciprian, Greconici Marian, Svoboda Marcus, **Muşuroi Sorin**, *Optimal control for a wind system considering the time evolution of the wind speed and the variation of the kinetic energy*, Conference Proceeding of 6th IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2011, Timişoara, 19-21 May, pp. 549 – 553, ISBN 978-142449109-4, 2011.
6. **Muşuroi Sorin**, Svoboda Marcus, Şorândaru Ciprian, Koblara Thomaque, Olărescu Nicola Valeriu, *Deep bar effects produced by PWM power supplies in induction machines: Application to rotor Parameters determination*, Conference Proceeding of International Conference on Computer as a Tool - Joint with Conftele, EUROCON 2011, Lisbon, Code 85630, 27 - 29 April, art. no. 5929282, 4 pages, ISBN 978-142447486-8, 2011.
7. Şorândaru Ciprian, **Muşuroi Sorin**, Svoboda Marcus, Koblara Thomaque, Olărescu Nicola Valeriu, *Sensor-based fixed-point DSP control of a 8/6 Switched Reluctance Motor*, Conference Proceeding of International Conference on Computer as a Tool - Joint with Conftele, EUROCON 2011, Lisbon, Code 85630, 27 - 29 April, art. no. 5929285, 4 pages, ISBN 978-142447486-8, 2011.
8. Vătău Doru, Şurianu Flavius Dan, **Muşuroi Sorin**, Frigură-Iliasa Flaviu, Proştean Octavian, *220 kV and 400 kV power plant electromagnetic pollution analysis*, Conference Proceeding of International Conference on Computer as a Tool - Joint with Conftele, EUROCON 2011, Lisbon, art. no. 5929407, 4 pages, ISBN 978-142447486-8, 2011.
9. **Muşuroi Sorin**, Torac Ileana, *A Simulink Model of a Direct Orientation Control Scheme for Torque Control Using a Current-Regulated PWM Inverter*, Proceedings of the 1st International Scientific Conference on Information Technology and Quality. TEI of Piraeus, Greece, University of Paisley, U.K., Athens, 5-6 June, pages 60-63, ISBN 1-903978-19x, 2004.
10. Olărescu Valeriu, **Muşuroi Sorin**, *The Simplify Control Algorithm for Permanent Synchronous Motors with Sinusoidal Current Control (BLAC)*, Conference Proceedings, 16th International Conference on Electrical Machines ICEM 2004, Cracow-Poland, 5-8 September, no., 401, 4 pages, ISBN 12-345678-90, 2004.
11. **Muşuroi Sorin**, Bogoevici Gheorghe, *The Determination of the Equivalent Modification Factors of the Rotoric Parameters whit the Cage Induction Motors are Being Supplied by Inverters*, Conference Record of the 15th International Conference on Electrical Machines ICEM 2002, Bruges, 25-28 August, Index 367, D 2002/0277/3, pp. 238 BOOK OF ABSTRACTS, ISBN 90-76019-18-5, 2002.
12. Torac Ileana, **Muşuroi Sorin**, *Analytical Approach to the Q-Axis Field Computation for the Reluctance Motor with Axially Laminated Rotor*, Proceedings of the 4th International Conference on Technology and Automation, ATEI Thessaloniki, Greece, Volum publicat in Ed. Tziola Technical Publications, pp. 157-161, 5-6 October, ISBN 960-8050-98-7, 2002.
13. **Muşuroi Sorin**, Olărescu Nicola Valeriu, *The Mathematical Model for Three-Phase Cage Induction Motors Supplied by Static Frequency Converters*, Proceedings of the International Aegean Conference on Electrical Machines and Power Electronics, Acemp 2001, Kuşadası-Turkey, 27-29 June, pp. 260-264, ISBN 975-93410-0-x, 2001.

## i) Articles published in international conferences (without indexing)

### i.1) International conferences from abroad

1. Ursu Dragoș, Păpușoiu Gheorghe, Svoboda Marcus, **Mușuroi Sorin**, *Angle transducer for the monitor of the power factor on the alternative current machines*, Proceedings of International Scientific Conference eRA-4, SynEnergy Forum(S.E.F.) – 2, TEI of Piraeus&University of Paisley, 24-26 September, 6 pages, ISBN 1791-1133, 2009.
2. Glava Mariana, Păpușoiu Gheorghe, Olărescu Nicola Valeriu, **Mușuroi Sorin**, *Three-phase rectifier with linear dependency between rectified voltage and command voltage*, Proceedings of International Scientific Conference eRA-4, SynEnergy Forum(S.E.F.) – 2, TEI of Piraeus&University of Paisley, 24-26 September, 6 pages, ISBN 1791-1133, 2009.
3. Greconici Marian, Madescu Gheorghe, **Mușuroi Sorin**, Moț Marțian, *Numerical Computation of the Restoring Force in a Cylindrical Bearing Containing Magnetic Liquid*, Serbian Journal of Electrical Engineering, pp. 183-190, ISSN 1451-4869, Volume 5, No. 2, , 2008.
4. Șorândaru Ciprian, Sfâșie Andreea, **Mușuroi Sorin**, Olărescu Nicola Valeriu, *PLC Control of an industrial process using LabVIEW*, International Conference on Remote Engineering and Virtual Instrumentation – REV 2008, Duesseldorf, 23-25 June, 6 pages, ISBN 978-3-89958-352-6, POS. 02.7, 2008.
5. Svoboda Marcus, Greconici Marian, Șorândaru Ciprian, **Mușuroi Sorin**, *Intelligent Control of the Permanent Magnet Synchronous Machine*, 14th International Symposium on Power Electronics – Ee 2007, Novi Sad, 7-9 November, 6 pages, ISBN 978-86-7892-067-7, Paper No. T4-1.7, 2007.
6. **Mușuroi Sorin**, Madescu Gheorghe, Moț Marțian, Greconici Marian, *The Analysis of the Skin Effect in the Deep Bars of the Rotors of the Induction Motors Supplied by Inverters*, Proceedings of the 8th International Conference on Applied Electromagnetics PES 2007, Nis, Serbia, 3-5 September, 6 pages, ISBN 978-86-85195-43-8, 2007.
7. **Mușuroi Sorin**, Greconici Marian, Moț Martian, *A Direct FOC of a Inverter Fed Induction Motor*, Electronics, Yu ISSN 1450-5843, Vol. 9, No. 2, pp. 53 – 56, 2005.

### i.2) International conferences in Romania

1. Cornea Octavian, Șorândaru Ciprian, **Mușuroi Sorin**, *Experimental Determination of the Moment of Inertia for Switched Reluctance Motor*, International Symposium on Electrical Engineering and Energy Converters – ELS 2007, Suceava, 27-28 September, pp. 165-168, ISBN 978-973-666-259-1, 2007.
2. Șorândaru Ciprian, **Mușuroi Sorin**, *Low Cost Data Acquisition Setup for Electrical Machines Laboratory*, 15th IMEKO TC4 Symposium on Novelties in Electrical Measurements and Instrumentation, Iași, 18-22 September, pp. 659-664, ISBN 978-973-667-260-6, 978-973-667-260-0, 2007.
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