

# List of papers

## a) List of the most relevant publications

### ISI Journals

- [1] **Lucian Mihet-Popa**, F. Blaabjerg and I. Boldea, “*Wind Turbine Generator Modeling and Simulation where Rotational Speed is the Controlled Variable*”, IEEE-IAS Transactions on Energy Conversion, January / February 2004, Vol. 40, No. 1, pp. 3-10, ISSN: 0093-9994, **Accession number: WOS: 000189128300001**, (ISI Journal - ISI Web of Knowledge, Impact Factor 2.578, 50 Citations in ISI Web of Knowledge, 90 in SCOPUS and 145 in Google Scholar).
- [2] **Lucian Mihet-Popa**, „*Current Signature Analysis as Diagnosis Media for incipient fault detection*”, Journal of Advances in Electrical and Computer Engineering, Vol. 7 (14), no. 2 (28), December 2007, ISSN 1582-7445, pp. 11-16, [www.aece.ro](http://www.aece.ro), **Accession number: WOS: 000259903400003** (ISI Journal, ISI Web of Knowledge, Impact Factor: 0.55, 1 citation).
- [3] **Lucian Mihet-Popa**, O. Proștean and I. Szeidert, „*The soft-starters modeling, simulations and control implementation for 2 MW constant-speed wind turbines*”, The International Review of Electrical Engineering – IREE, Vol. 3, No. 1, January-February 2008, pp. 129-135, ISSN: 1827-6660, **Accession number: WOS: 000264607500016** (ISI Journal, ISI Web of Knowledge, Impact factor: 1.4, 1 citation).
- [4] **Lucian Mihet-Popa** and V. Groza, „*Modeling and simulations of a 12 MW wind farm*”, Journal of Advances in Electrical and Computer Engineering, Vol. 10, No. 2, 2010, pp. 141-144, ISSN 1582-7445, [www.aece.ro](http://www.aece.ro), **Accession number: WOS: 000280312600025** (ISI Journal, ISI Web of Knowledge-Impact Factor 0.7).
- [5] **L. Mihet-Popa**, O. M. F. Camacho, P. B. Nørgård and N. Rao „*Electrical Vehicle Batteries Testing in a Distribution Network using Sustainable Energy*”, *IEEE Transactions on Smart Grid*, Special Issue on „Energy Storage Applications for Smart Grid”, Vol. 5, Issue 2, March 2014, pp. 1033-1042, ISSN 1949-3053, Digital Object Identifier: 10.1109/TSG.2014.2299064, Accession Number: **WOS:000331985300052** (ISI Journal, ISI Web of Knowledge, IF 4.34).
- [6] **L. Mihet-Popa**, O. M. F. Camacho, „*Fast Charging and Smart Charging Tests for Electric Vehicles Batteries using Renewable Energy*”, Oil & Gas Science and Technology – Rev. IFP Energies nouvelles (OGST Journal), March 2014, **DOI: 10.2516/ogst/2014001**, ISSN (Print Edition): 1294-4475, ISSN (Electronic Edition): 1953-8189 (ISI Journal, ISI Web of Knowledge, Impact factor: 1.258)

### ISI Proceedings

- [7] **Lucian Mihet-Popa** and Ion Boldea, „*Dynamics of control strategies for wind turbine applications*”, the 10<sup>th</sup> International Conference on Optimisation of Electrical and Electronic Equipment, OPTIM 2006, May 18-19, Poiana Brasov, Vol. 2, pp. 199-206, **WOS: 000256418400033** (ISI Proceedings, ISI Web of Knowledge).
- [8] **L. Mihet-Popa**, V. Groza, O. Proștean and I. Szeidert, „*Modeling and design of a grid connection control mode for a small variable-speed wind turbine system*”, IEEE I2MTC-International instrumentation & measurement technology conference, May 12-15, 2008, Vancouver Island-Canada, pp. 288-293, ISBN:1-4244-1541-1, ISSN: 1091-5281, IEEE Catalog Number: 08CH37941C, **Accession number: WOS: 000261512100056**; (ISI Proceedings, ISI Web of Knowledge).
- [9] **L. Mihet-Popa**, X. Han, H. Bindner, J. Pihl-Andersen and J. Mehmedalic „*Grid Modeling, Analysis and Simulation of different scenarios for a Smart Low-Voltage Distribution Grid*”, in Proc. of IEEE PES-ISGT Europe 2013, Lyngby, Denmark, October 6-9, ISSN: 2165-4816, ISBN: 978-1-4799-2984-9, Accession number: **WOS: 000330939800241** (ISI Proceedings, ISI Web of Knowledge)
- [10] **L. Mihet-Popa** and H. Bindner, „*Simulation models developed for voltage control in a distribution network using energy storage systems for PV penetration*”, in Proc. of the 39th Annual Conference of the IEEE Industrial Electronics Society-IECON'13, November 10-13, Vienna, Austria, pp. 7487-7492, ISSN: 1553-572X, ISBN: 978-1-4799-0224-8, Accession number: **WOS: 000331149507049** (ISI Proceedings, ISI Web of Knowledge).

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## b) Ph.D. Thesis:

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„*Wind Turbines using Induction Generators Connected to the Grid*”, December 2003, POLITEHNICA University of Timisoara, 295 pg (written in English); Supervisor: Prof. dr. ing. Ion BOLDEA.

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## c) Books & Book Chapters

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### List of books

- [1] **Lucian Mihet-Popa** and Dan Nicoara, „Energy conversion systems and its applications” (in Romanian) – 85 pg.; Editor POLITEHNICA University, 2005, ISBN: 973-625-254-X.
- [2] **Lucian Mihet-Popa**, „Modelling and Simulations using MATLAB & Simulink with applications in electrical engineering”, (in Romanian-326 pg.), Editor POLITEHNICA University of Timisoara, February 2007, ISBN: 978-973-625-439-0.
- [3] **Lucian Mihet-Popa**, “Wind Turbines using Induction Generators connected to the grid”, (in English) - 310 pg.), POLITEHNICA University of Timisoara, November 2007, ISBN 978-973-625-533-5.
- [4] **Lucian Mihet-Popa**, „Simulation Algorithms developed in MATLAB & Simulink”, (in Romanian-456 pg.), Editor POLITEHNICA University of Timisoara, 2010, ISBN 978-973-625-439-0.
- [5] **Lucian Mihet-Popa & Codruța-Mihaela ANCUȚI**, „Applications in Electrical Engineering using MATLAB & Simulink”, (in Romanian-126 pg.), Editor POLITEHNICA University of Timisoara, February 2014, ISBN: 978-606-554-829-9.
- [6] **Lucian Mihet-Popa**, „Modelling and Simulations using MATLAB & Simulink with applications in electrical engineering-Second Edition”, (in Romanian-408 pg.), Editor POLITEHNICA University of Timisoara, May 2014, ISBN: 978-606-554-823-7.
- [7] **Lucian MIHET-POPA**, „Development of Simulation Tools for Distributed Energy Conversion Systems toward Smart Grids”, 260 pg., Editura POLITEHNICA Timisoara, November 2014, ISBN: 978-606-554-885-5.

### Chapters in a book

- [1] **Lucian MIHET-POPA**, „Modeling and simulation of a 12 MW wind farm”, Book Chapter, ISBN: 978-953-307-156-5, InTech 2011, indexed in IET Scopus, Google Scholar (the chapter has reached 5000 downloads); <http://www.intechopen.com/authorstats/index>.
- [2] **Lucian MIHET-POPA**, Voicu Groza, „Control strategies of DER components using energy storage systems and actively controlled loads ”, Book Chapter, ISBN: 978-953-51-4110-5, InTech 2014, indexed in IET Scopus, Google Scholar

## d) Papers published in Journals indexed in International Data Bases

- [1] **Lucian Mihet-Popa**, „Current-signature analysis in converter-fed induction machines under different operation conditions”, ELECTROMOTION, International Scientific Quarterly, ISSN 1223-057X, An international journal devoted to research, development, design and applications of electromechanical energy converters, actuators and transducers, Cluj-Napoca, Romania, May 2006, second issue (**INSPEC, Engineering Village, IEEE Explore**).
- [2] **Lucian Mihet-Popa** and Ion Boldea, “Variable speed wind turbines using induction generator connected to the grid”, Journal of Electrical Engineering –www.jee.ro, Vol. 2, July 2006, ISSN 1582-4594 (**Inspecc, SCOPUS, Google Scholar**);
- [3] **Lucian Mihet-Popa** and Ion Boldea, “Control strategies for large wind turbine applications”, Journal of Electrical Engineering-www.jee.ro, Vol. 7, Edition 3<sup>rd</sup>, October issue 2007, ISSN 1582-4594 (**Inspecc, SCOPUS**);
- [4] **L. Mihet-Popa**, „Grid Connection Control Mode of a Small Variable-Speed Wind Turbine”, Buletinul Științific al Universității POLITEHNICA din Timișoara (Scientific bulletin of POLITEHNICA University of Timișoara, Romania-Transactions on automatic control and computer science), România, Vol. 52 (66), No. 3, Decembrie 2007, ISSN 1224-600X; (**Google Scholar, B<sup>+</sup>-CNCISIS**).
- [5] **Lucian Mihet-Popa** and Ion Boldea, “A Laboratory System for Comprehensive Investigation of Wind Generators”, Paper published in Polish Journal – Przegląd Elektrotechniczny (SEP), R 80 Vol. 2004, No. 3, pp. 200-203, PL ISSN 0033-2097 (**Scopus, Google Scholar**).
- [6] **Lucian Mihet-Popa**, O. Prostean and I. Szeidert, „An experimental laboratory system for monitoring and detection of electrical drives systems with induction machines”, International Scientific Journal Facta Universitatis – NIS, series Electronics and Energetics, Aprilie 2008, Vol. 21, No. 1, pp. 45-54, YU ISSN 0353-3670 (**Scopus, Google Scholar**);
- [7] **L. Mihet-Popa**, V. Groza, „Indicators and signal processing techniques for detection of rotor faults in induction machines”, International Review of Modelling and Simulations-IREMOS, Vol. 3, No. 4, August, 2010, pp. 538-545, ISSN: 1974-9821 (**Cambridge Scientific Abstract, Elsevier Bibliographic Database SCOPUS, Index Copernicus (Journal Master List): Impact Factor 6.51**);

- [8] **L. Mihet-Popa**, V. Groza, „*Dynamic Modeling, Simulation and Control Strategies for 2 MW Wind Generating Systems*”, International Review of Modelling and Simulations-IREMOS, Vol. 3, No. 6, December, 2010, pp. 1410-1418, ISSN: 1974-9821 (**Cambridge Scientific Abstract, Elsevier Bibliographic Database SCOPUS, Index Copernicus (Journal Master List): Impact Factor 6.51**);
- [9] **L. Mihet-Popa**, V. Groza, „*Static and Dynamic Stability Analysis of Distributed Energy Resources Components with Storage Devices and Loads for Smart Grids*”, International Review of Modelling and Simulations-IREMOS, Vol. 4, No. 6, December, 2011, pp. 1410-1418, ISSN: 1974-9821 (**Cambridge Scientific Abstract, Elsevier Bibliographic Database SCOPUS, Index Copernicus (Journal Master List): Impact Factor 6.51**);

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e) **Papers published in Proceedings of International Conferences indexed in ISI Web of Knowledge and International Data Bases**

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**ISI Proceedings**

- [1] **Lucian Mihet-Popa**, Birgitte Bak-Jensen, Ewen Ritchie and Ion Boldea, “*Condition Monitoring of Wind Generators*”, Record of IEEE-IAS 38<sup>th</sup> Annual Meeting, Salt Lake City-USA, 2003, 12-16 October, Vol. 3, pp. 1839-1846, ISBN: 0-7803-7883-0, **Accession Number: WOS:7798516 (ISI Proceedings, INSPEC, IEEE Explore), 3 Citations in ISI Web of Knowledge, 70 in Google Scholar**.
- [2] **Lucian Mihet-Popa** and Ion Boldea, “*Variable speed wind turbines using induction generator connected to the grid: digital simulation versus test results*”, IEEE – the 9<sup>th</sup> International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2004, May 20-21, Poiana Braşov, Vol. 2, pp. 286-294, **WOS: 000255388800047 (ISI Proceedings, ISI Web of Knowledge)**;
- [3] **Lucian Mihet-Popa**, Ion Boldea and Ewen Ritchie, “*Performance of wind turbine induction generators with self-regulated passive elements in the rotor*”, IEEE – the 9<sup>th</sup> International Conference on Optimisation of Electrical and Electronic Equipment, OPTIM 2004, May 20-21, Poiana Braşov, Vol. 2, pp. 295-303, **WOS: 000255388800048 (ISI Proceedings, ISI Web of Knowledge)**;
- [4] N. Budisan, I. Filip, I. Szeidert and **Lucian Mihet-Popa**, „*Considerations regarding the induction generator’s self-excitation within energy power stations*”, Proceedings of the 4<sup>th</sup> International Symposium on Applied Computational Intelligence and Informatics-SACI 2007, Timisoara-Romania, May 16-18, pp. 257-262, 2007, ISBN: 1-4244-1234-X, **WOS: 000248622500045 (ISI Proceedings - ISI Web of Knowledge)**.
- [5] **Lucian Mihet-Popa**, O. Prostean, I. Szeidert, I. Filip, C. Vasar, “*Fault Detection Methods for Frequency Converters Fed Induction Machines*”, 12<sup>th</sup> IEEE Conference on Emerging Technologies and Factory Automation-ETFA 2007, September 25-28, Patras-Greece, pp. 161-168, IEEE Catalog number: 07<sup>th</sup>8932C, ISBN: 1-6244-0826-1, **Accession number: WOS: 000254117100022 (ISI-Proceedings, ISI Web of Knowledge)**.
- [6] I. Szeidert, O. Prostean, I. Filip, C. Vasar and **L. Mihet-Popa**, „*Issues regarding the modeling and simulation of wind energy conversion system’s components*”, International Conference on Automation, Quality & Testing, Robotics (AQTR 2008), May 22-25, pp. 225-228, Cluj-Napoca, 2008 IEEE-TTLC, ISBN: 978-1-4244-2576-1, **Accession number: WOS: 000259080000037 (ISI Proceedings ISI Web of Knowledge)**.
- [7] C. Vasar, M. Biriescu and **L. Mihet-Popa**, „*In-Network Agreggation with Size Reduction for Wireless Sensor Networks – Quantitative Analysis*”, 19<sup>th</sup> DAAAM International Symposium 2008 on Intelligent Manufacturing & Automation, Trnava-Slovakia, 22-25 October 2008, ISBN: 978-3-901509-68-1, pp. 1449-1450, **Accession number: WOS: 000262860100724 (ISI-Proceedings, ISI Web of Knowledge)**.
- [8] **L. Mihet-Popa**, C. Volosencu, O. Prostean, and I. Szeidert, „*Simulation Algorithm Developed to investigate the effects of various rotor faults in cage-rotor induction machines*”, 8<sup>th</sup> WSEAS International Conference on Power Systems (PS 2008), Santander-Spain, September 23-25, pp. 205-209, ISBN: 978-960-474-006-2; **Accession number: WOS: 000262475100034 (ISI-Proceedings, ISI Web of Knowledge)**;
- [9] I. Szeidert, O. Prostean, N. Budisan, and **Lucian Mihet-Popa**, „*Considerations regarding the induction generator’s self-excitation within energy power stations*”, Proceedings of the 5<sup>th</sup> International Symposium on Applied Computational Intelligence and Informatics-SACI 2009, Timisoara-Romania, May 16-18, pp. 257-261, 2009, ISBN: 1-4244-1234-X, **Accession number: WOS: 000248622500045 (ISI Web of Knowledge, ISI Proceedings)**.
- [10] **L. Mihet-Popa**, V. Groza, „*Annual energy loss distribution of a large scale variable-speed wind turbine systems*”, IEEE I2MTC-International instrumentation & measurement technology conference, May 12-15, 2011, Vancouver Island-China, pp. 288-293, ISBN:1-4244-1541-1, ISSN: 1091-5281, IEEE Catalog Number: 08CH37941C; **Accession number: WOS: 0002971719003474 (ISI Proceedings, ISI Web of Knowledge)**
- [11] **L. Mihet-Popa**, F. Isleifsson and V. Groza, „*Experimental Testing for Stability Analysis of Distributed Energy Resources Components with Storage Devices and Loads*”, IEEE I2MTC-International instrumentation & measurement technology conference, May 12-15, 2012, Gratz-Austria, pp. 588-593, ISBN:978-1-4577-1771-0, **Accession number: WOS: 000309449100113 (ISI Proceedings, ISI Web of Knowledge)**;
- [12] **L. Mihet-Popa**, C. Koch-Ciobotaru, F. Isleifsson and H. Bindner, „*Development of tools for DER Components in a distribution network*”, the 20<sup>th</sup> International Conference on Electrical Machines, IEEE ICEM 2012, September 2-5, Marseille-France, pp. 1022-1031, ISSN 1842-0133 (**ISI Proceedings, ISI Web of Knowledge (Accession number: WOS: 000333806702005), SCOPUS, Google Scholar**).

- [13] Y. Zong, **L. Mihet-Popa**, D. Kullman, A. Thavlov, O. Gehrke and H. Bindner, „Model Predictive Controller for Active Demand Side Management with PV Self-Consumption in an Intelligent Building”, IEEE PES Innovative Smart Grid Technologies Europe, Berlin-Germany, October 14-17, ISBN: 978-146732597-4, Accession number: **WOS:000316564100014** (ISI Proceedings, ISI Web of Knowledge).
- [14] **L. Mihet-Popa**, X. Han, H. Bindner, J. Pihl-Andersen and J. Mehmedalic „Development and Modeling of different scenarios for a Smart Distribution Grid”, in Proc. of the 8<sup>th</sup> International Symposium on Applied Computational Intelligence and Informatics-IEEE SACI 2013, Timisoara-Romania, May 23-25, pp. 257-261, ISBN: 978-1-4673-6400-3, **WOS:000333188100079** (ISI Proceedings, ISI Web of Knowledge).

## International Conferences indexed in International Data Bases (SCOPUS, INSPEC, Google Scholar)

- [1] **Lucian Mihet-Popa**, F. Blaabjerg and I. Boldea, “*Simulation of Wind Generator Systems for the Power Grid*”, Record of IEEE – the 8<sup>th</sup> International Conference on Optimisation of Electrical and Electronic Equipment, OPTIM 2002, Poiana Brasov-Romania, 16-18 May, 2002, Vol. 2, pp. 423-428 (**SCOPUS, IEEE Explore, Google Scholar**).
- [2] **Lucian Mihet-Popa**, Birgitte Bak-Jensen, Ewen Ritchie and Ion Boldea, “*Current Signature Analysis to Diagnose Incipient Faults in Wind Generator Systems*”, ELECTROMOTION 2003, Marrakech-Morocco, 26-28 November, Vol. 2, pp. 647-652 (**INSPEC, Engineering Village-Compendex, IEEE Explore, GEOBASE**).
- [3] **L. Mihet-Popa** and J.M. Pacas, “*Failure Detection in Converter Fed Induction Machines under Different Operation Conditions*”, Proceedings of International Electric Machines and Drives Conference (IEMDC), San Antonio-Texas, May 15-18, 2005, Vol. 3, pp. 967-974, IEEE Cat. No. 05EX1023C, (**Scopus, IEEE Explore, Google Scholar**);
- [4] **L. Mihet-Popa** and J.M. Pacas, “*Active stall constant speed wind turbine during transient grid fault events and sudden changes in wind speed*”, Proceedings of International Exhibition & Conference for Power Electronics Intelligent Motion Power Quality, 26<sup>th</sup> International PCIM Conference, Nuremberg, 7-9 June, 2005, pp. 646-651 (**British Library, Google Scholar**);
- [5] **Lucian Mihet-Popa**, „*Variable speed electric generators for the distributed power systems of the future?*” – ELS 2005, International Symposium on unconventional electrical machines, Suceava, 22-23 September, pp. 152-158 (**Google Scholar, CNCISIS-B**);
- [6] **Lucian Mihet-Popa**, „*Control and performance of a Doubly-Fed Induction Machine for Wind Turbine Systems*” – ELS 2005, International Symposium on unconventional electrical machines, Suceava, 22-23 September, pp. 158-164 (**Google Scholar, CNCISIS-B**);
- [7] **Lucian Mihet-Popa**, V. Groza, O. Prostean, I. Szeidert, “*Variable speed wind turbines using cage rotor induction generators connected to the grid*”, Electrical Power Conference-IEEE EPC 2007, Vol. 3, pp. 271-279, October 25-26, Montreal, Quebec-Canada, (**Scopus, Inspec, IEEE Explore, Engineering Village**).
- [8] **Lucian Mihet-Popa**, V. Groza, “*Modeling, design and simulation of a grid connection control mode for a small variable-speed wind turbine system*”, Electrical Power Conference-IEEE EPC 2009, Vol. 3, pp. 271-279, October 25-26, Montreal, Quebec-Canada, ISBN:978-14244-4509-7, (**Inspec, IEEE Explore, Engineering Village, Google Scholar**).
- [9] **Lucian Mihet-Popa and I. Filip**, „*Modeling and simulations of a soft-starter for large wind turbine induction generators*”, Proceedings of the 5<sup>th</sup> International Symposium on Applied Computational Intelligence and Informatics-CONTI 2010, Timisoara-Romania, May 27-29, pp. 257-262, 2010, ISBN: 1-4244-1234-X (**Scopus, Google Scholar**).
- [10] I. Filip, **L. Mihet-Popa**, I. Szeidert and C. Vasar, „*On-line tuning procedure of a recursive parameter estimator used for a synchronous generator adaptive control*”, Proceedings of the 5<sup>th</sup> International Symposium on Applied Computational Intelligence and Informatics-CONTI 2010, Timisoara-Romania, May 27-29, pp. 257-262, 2009, ISBN: 1-4244-1234-X (**Scopus, Google Scholar**).
- [11] F. Frigura, **L. Mihet-Popa**, D. Vatau, D.P. Cristian, „*A few aspects concerning the thermal connection of ZnO based varistors*”, International Universities’ Power Engineering Conference-UPEC 2010, Cardiff-UK, 31<sup>st</sup> August-3<sup>rd</sup> September, ISBN 978-095655702 (**Scopus, IEEE Explore, INSPEC, Google Scholar**);
- [12] F. Frigura, **L. Mihet-Popa**, D. Vatau, C. Barbulescu, „*Heat dissipation improvement for ZnO based varistors*”, International Conference on Harmonics and Quality of Power -ICHQP 2010, Bergamo-IT, 26-29 September, ISBN 978-142447244-4 (**Scopus, IEEE Explore, INSPEC, Google Scholar**);
- [13] **L. Mihet-Popa**, V. Groza, „*Modeling and Simulation of a Soft-Starter for a 2 MW Wind Turbine Generators*”, IEEE-EPEC 2010, August 26-27, Halifax-Canada, ISBN:978-1-4244-8188-0 (**IEEE Explore, INSPEC, Google Scholar**);
- [14] **L. Mihet-Popa**, C. Koch-Ciobotaru, F. Isleifsson and H. Bindner, „*Development of tools for simulation systems in a distribution network and validated by measurements*”, the 13<sup>th</sup> International Conference on Optimisation of Electrical and Electronic Equipment, IEEE OPTIM 2012, May 24-26, Brasov-Romania, pp. 1022-1031, ISSN 1842-0133 (**SCOPUS, IEEE Explore, Google Scholar**).
- [15] C. Koch-Ciobotaru, **L. Mihet-Popa**, F. Isleifsson and H. Bindner, „*Simulation Model developed for a Small-Scale PV-System in a Distribution Network*”, Proceedings of the 7<sup>th</sup> International Symposium on Applied Computational Intelligence and Informatics-IEEE SACI 2012, Timisoara-Romania, May 24-26, pp. 257-261, ISBN: 1-4244-1234-X, (**SCOPUS, Inspec, Engineering Village, Google Scholar**).

- [16] **L. Mihet-Popa**, O.M.F. Camacho and P.B. Norgard, „Charging and discharging tests for obtaining an accurate dynamic electro-thermal model of high power lithium-ion pack system for hybrid and EV applications”, in Proc. of the IEEE PES Power Tech Conference, Grenoble, June 16-20, 2013, ISBN: 978-146735669-5 (**Scopus, IEEE Explore, Google Scholar**).

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## f) Other papers published in Journals indexed B<sup>+</sup>, B or C (CNCSIS)

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- [1] **Lucian Mihet-Popa**, „*Variable Speed Wind Turbines using Cage Rotor Induction Generators Connected to the Grid*”, Proceedings of the 12<sup>th</sup> Romanian National Conference of Electrical Drives (CNAE), Cluj-Napoca, September 23<sup>rd</sup>-25<sup>th</sup>, 2004, Cluj-Napoca, pp. 261-266 (**CNCSIS**);
- [2] **Lucian Mihet-Popa**, „*A comprehensive Laboratory System for Monitoring and Detection of Wind Generators*”, Proceedings of the 12<sup>th</sup> Romanian National Conference of Electrical Drives (CNAE), Cluj-Napoca, September 23<sup>rd</sup>-25<sup>th</sup>, 2004, pp. 271-276 (**CNCSIS-B+**);
- [3] **Lucian Mihet-Popa**, „*Negative sequence method to detect incipient faults in variable-speed wind generators systems*”, Proceedings of the 13<sup>th</sup> Romanian National Conference of Electrical Drives (CNAE), Ploiesti, September 23<sup>rd</sup>-25<sup>th</sup>, 2006, pp. 137-146; ISSN 1224-8495 (**CNCSIS-B**).
- [4] **Lucian Mihet-Popa**, „*Estimation of the wind generator systems efficiency*”, Proceedings of the 13<sup>th</sup> Romanian National Conference on Electrical Drives (CNAE 2006), Ploiesti, September 23<sup>rd</sup>-25<sup>th</sup>, 2006, pp. 147-154 ; ISSN 1224-8495 (**CNCSIS-B**).
- [5] **Lucian Mihet-Popa**, O. Prostean and I. Szeidert, „*A comprehensive laboratory system for monitoring and detection of electrical drives systems*”, Proceedings of the 8<sup>th</sup> International Conference on Applied Electromagnetics-PES 2007, Nis-Serbia, September 3-5, 2007, ISBN 978-86-85195-43-8.
- [6] **Lucian Mihet-Popa**, I. Szeidert and Cristian Vasar, „*2 MW Active Stall Controlled Wind Turbines Versus Pitch Controlled Wind Turbines*”, ELS 2007, International Symposium on Electrical Engineering and Energy Converters, Suceava – Romania, 27-28 September, pp. 121-126, ISBN 978-973-666-259-1 (**CNCSIS-B**).
- [7] **Lucian Mihet-Popa**, G. Prostean and I. Szeidert, „*The comparison between annual energy loss distribution for two variable speed wind turbine concepts of 3 MW*”, ELS 2007, International Symposium on Electrical Engineering and Energy Converters, Suceava – Romania, 27-28 September, pp. 115-120, ISBN 978-973-666-259-1 (**CNCSIS-B**).
- [8] **Lucian Mihet-Popa**, Dan Nicoara, „*Sisteme neconvenționale de conversie a energiei-Dezvoltare-Tendințe actuale*”, BULETINUL AGIR 2007-Energii alternative, Nr. 3, pp. 2-9, ISSN 1224-7928; (**CNCSIS- B<sup>+</sup>**).
- [9] **Lucian Mihet-Popa**, Dan Nicoara, „*Evaluarea pierderilor într-un sistem de conversie a energiei eoliene cu viteză variabilă*”, BULETINUL AGIR 2007-Energii alternative, Nr. 3, pp. 58-62, ISSN 1224-7928; (**CNCSIS- B<sup>+</sup>**).
- [10] **Lucian Mihet-Popa**, Dan Nicoara, „*Principalele configurații ale sistemelor solare și topologii de invertare fotovoltaice*”, BULETINUL AGIR 2007-Energii alternative, Nr. 3, pp. 79-83, ISSN 1224-7928; (**CNCSIS-B<sup>+</sup>**).
- [11] M. Buzera, G. Prostean, G. Belgiu and **L. Mihet-Popa**, „*Detecting the integrity of the shape of vegetal products by using non-destructive techniques*”, Scientific Bulletin of the POLITEHNICA University of Timișoara, Romania-Transactions on MECHANICS (Buletinul Științific al Universității POLITEHNICA din Timișoara, România-Seria Macanică), Tomul 52 (66), Fascicola 5, 2007, pp. 13-17, ISSN 1224-6077 (**B<sup>+</sup>-CNCSIS**).
- [12] M. Buzera, G. Prostean, **L. Mihet-Popa** and G. Belgiu, „*Filtration techniques used in the processes of automatic classification of the products*”, Scientific Bulletin of the POLITEHNICA University of Timișoara, Romania-Transactions on MECHANICS (Buletinul Științific al Universității POLITEHNICA din Timișoara, România-Seria Macanică), Tomul 52 (66), Fascicola 5, 2007, pp. 9-13, ISSN 1224-6077 (**B-CNCSIS**).
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