

**Fișa detaliată de verificare a standardelor minimale, necesare și obligatorii,  
pentru conferirea titlului didactic de Profesor Universitar/CS I (Domeniul: Inginerie Electrică)**

**Conf. dr. ing. Lucian MIHET (MIHET-POPA)**

**1. Activitatea didactică și profesională (A1)**

**1.1 Cărți și capitole în cărți de specialitate**

1.1.1 Cărți /capitole, didactice sau monografii, cu ISBN ca autor - Profesor/CSI minim 4

**1.1.1.1 Internaționale**

Nr. crt	Publicația	Nr. pg	Indicatori	Punctaj	Obs
1	<b>Lucian MIHET-POPA</b> , Voicu Groza, „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); <a href="http://www.intechopen.com/authorstats/index">http://www.intechopen.com/authorstats/index</a> .	26	Nr.pagini/(2*nr.autori)	26/4=6,5	
2	<b>Lucian MIHET-POPA</b> , 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	32	Nr.pagini/(2*nr.autori)	32/4=8	
				<b>Total 14,5</b>	

**1.1.1.2 Naționale**

Nr. crt	Publicația	Nr. pg	Indicatori	Punctaj	Obs

1.	<b>Lucian MIHET-POPA</b> , „Modelare si Simulare in MATLAB - Simulink cu aplicații in Inginerie Electrica”, Ediția a 2-a, rev. si adaug. Editura POLITEHNICA din Timișoara, Aprilie 2014, ISBN 978-606-554-823-7	408	Nr.pg/(5*nr.aurori)	408/5=81.6	
2.	<b>Lucian MIHET-POPA</b> , „Algoritmi de Modelare si Simulare in Inginerie Electrica utilizând pachetul de programe MATLAB & Simulink”, Editura POLITEHNICA din Timișoara, noiembrie 2010, ISBN 978-606-554-213-6	456	Nr.pg/(5*nr.aurori)	456/5=91,2	
3.	<b>Lucian Mihet-Popa</b> , “Wind Turbines using Induction Generators connected to the grid”, (in English), Editura POLITEHNICA din Timișoara, November 2007, ISBN 978-973-625-533-5.	310	Nr.pg/(5*nr.aurori)	310/5=62	Monografie
4.	<b>Lucian MIHET-POPA</b> , „Modelare si Simulare in MATLAB & Simulink cu aplicații in Inginerie Electrica” Editura POLITEHNICA din Timișoara, 2007, ISBN 978-973-625-439-0	326	Nr.pg/(5*nr.aurori)	326/5=65.2	
5.	<b>Lucian Mihet-Popa</b> , “Wind Turbines using Induction Generators connected to the grid”, Teza de doctorat, Editura POLITEHNICA din Timișoara, 2003, Data ordin confirmare 3876/2004-05-19.	294	Nr.pg/(5*nr.aurori)	294/5=58.80	Teza de doctorat
6.	Lucian MIHET-POPA, „Development of Simulation Tools for Distributed Energy Conversion Systems toward Smart Grids”, Teza de abilitare, Editura POLITEHNICA Timisoara, 2014, ISBN: 978-606-554-885-5	260	Nr.pg/(5*nr.aurori)	260/5=52	
	<b>8 cărți cu ISBN publicate ca autor principal sau unic autor &gt; 4</b>			<b>Total punctaj: 410,8</b>	

## 1.2 Suport didactic

### 1.2.1 Suport de curs inclusiv electronic: Profesor/CS I (minim 2)

Nr. crt	Publicația	Nr. pg	Indicatori	Punctaj	Obs
1.	<b>Lucian MIHET-POPA</b> , „Modelare si Simulare in MATLAB & Simulink cu aplicatii in Inginerie Electrica”, Suport de curs	250	Nr.pg/(10*nr.aurori)	25	

2.	<b>Lucian MIHET-POPA</b> , Tehnici de prelucrare a semnalelor, Suport de curs	141	Nr.pg/(10*nr.autori)	14,1	
3.	<b>Lucian MIHET-POPA</b> , Sisteme dedicate pentru autoturisme, Suport de curs (Master)	225	Nr.pg/(10*nr.autori)	22,5	
4.	<b>Lucian MIHET-POPA</b> , Wind power integration in power systems, Suport de curs (Master)	450	Nr.pg/(10*nr.autori)	45	Cursul a fost predat la Univ. Tehnică din Danemarca-DTU
<b>4 cursuri pe suport electronic &gt; 2 cursuri (cerința minimă)</b>				Total: 106,6	

#### 1.2.2 Îndrumare de laborator/aplicații: Profesor/CS I (minim 2)

Nr. crt	Publicația	Nr. pg	Indicatori	Punctaj	Obs
1.	<b>Lucian MIHET-POPA</b> , Dan Nicoara,,Conversia și utilizarea energiei electrice”, Editura POLITEHNICA din Timișoara, 2005, ISBN: 973-625-254-X	85	Nr. pagini/(20*nr. autori)	2,125	
2.	<b>Lucian MIHET-POPA</b> , Codruța-Mihaela ANCUȚI, Algoritmi de simulare in inginerie electrica, Editura POLITEHNICA din Timișoara, Aprilie 2014, ISBN: 978-606-554-829-9.	158	Nr.pagini/(20*nr.autori)	3,95	
<b>2 îndrumătoare de laborator=cerința minimă</b>				<b>Total 6,075</b>	

**Total puncte Activitate didactică și profesională (A1): 530 > Condiția minimală de 80 de puncte;**

## 2. Activitate de cercetare

### 2.1. Articole în extenso în reviste cotate și în volume Proceedings indexate ISI Thomson-Reuters, brevete de invenție (Minim 8 articole pentru Profesor/CS I)

Nr. crt	Publicația	Nr. pg	Indicatori	Punctaj	Obs
1.	O. M. F. Camacho, P. B. Nørgård, N. Rao and <b>L. Mihet-Popa</b> , „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: <b>WOS:000331985300052 (ISI Journal, ISI Web of Knowledge)</b> .	10	(25+20*factor de impact)/nr. autori	$(25+20*4.334)/4=21.82$	<b>ISI Journal</b>
2.	<b>L. Mihet-Popa</b> , 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, <b>DOI:10.2516/ogst/2014001 (ISI Journal, ISI Web of Knowledge, Impact factor: 1.258)</b>	12	(25+20*factor de impact)/nr. autori	$(25+20*1.258)/2=25.08$	<b>ISI Journal</b>
3.	<b>Lucian Mihet-Popa</b> 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; Accesion number: <b>WOS: 000280312600025 (ISI Journal, ISI Web of Knowledge-Impact Factor 0.76)</b>	4	(25+20*factor de impact)/nr. autori	$(25+20*0.76)/2=20.1$	<b>ISI Journal</b>
4.	<b>Lucian Mihet-Popa</b> , O. Proștean and I. Szeidert, „The soft-starters modeling, simulations and control implementation for 2 MW constant-speed wind turbines”, The International	6	(25+20*factor de impact)/nr. autori	$(25+20*1.4)/3=17.66$	<b>ISI Journal</b>

	Review of Electrical Engineering – IREE, Vol. 3, No. 1, January-February 2008, pp. 129-135, ISSN: 1827-6660; Accesion number: <b>WOS: 000264607500016</b> (ISI Journal, ISI Web of Knowledge, ISI Thomson, <b>Impact factor: 1.4</b> , 1 citation)				
5.	<b>Lucian Mihet-Popa</b> , „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 Accesion number: <b>WOS: 000259903400003</b> ; (ISI Journal, ISI Web of Knowledge, <b>Impact Factor: 0.55</b> , <b>2 citation</b> ).	6	(25+20*factor de impact)/nr. autori	(25+20*0.55)/1= <b>36</b>	<b>ISI Journal</b>
6.	<b>Lucian Mihet-Popa</b> , F. Blaabjerg and I. Boldea, “Wind Turbine Generator Modeling and Simulation where Rotational Speed is the Controlled Variable”, IEEE-IAS Transactions on Industry Application, January / February 2004, Vol. 40, No. 1, pp. 3-10, ISSN: 0093-9994, Accesion number: <b>WOS: 000189128300001</b> , ( <b>ISI Journal - ISI Web of Knowledge, Impact Factor 2.578, 47 Citations</b> ).	8	(25+20*factor de impact)/nr. autori	(25+20*2.578)/3= <b>25.52</b>	<b>ISI Journal</b>
7.	<b>L. Mihet-Popa</b> 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 10-14, Vienna, Austria, pp. 7487-7492, ISSN: 1553-572X, ISBN: 978-1-4799-0224-8, Accesion number: <b>WOS: 000331149507049</b> ( <b>ISI Proceedings</b> , ISI Web of Knowledge).	6	(25+20*factor de impact)/nr. autori	(25+20*0)/2= <b>12.5</b>	
8.	<b>L. Mihet-Popa</b> , 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, Accesion number: <b>WOS: 000330939800241</b> ( <b>ISI Proceedings</b> , ISI Web of Knowledge)	5	(25+20*factor de impact)/nr. autori	(25+20*0)/5= <b>5</b>	
9.	Y. Zong, <b>L. Mihet-Popa</b> , D. Kullman, A. Thavlov, O. Gehrke and	5	(25+20*factor de	(25+20*0)/6= <b>4.16</b>	

	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, Accession number: <b>WOS: 000316564100014 (ISI Proceedings, ISI Web of Knowledge)</b> .		impact)/nr. autori		
10.	<b>L. Mihet-Popa</b> , 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, Graz-Austria, pp. 588-593, ISBN:978-1-4577-1771-0, Accession number: <b>WOS: 000309449100113 (ISI Proceedings, ISI Web of Knowledge)</b> ;		(25+20*factor de impact)/nr. autori	(25+20*0)/3= <b>8.33</b>	
11.	<b>L. Mihet-Popa</b> , 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:978-1-4244-7935-1, ISSN: 1091-5281, IEEE Catalog Number: 08CH37941C; Accession number: <b>WOS: 0002971719003474 (ISI Proceedings, ISI Web of Knowledge)</b>		(25+20*factor de impact)/nr. autori	(25+20*0)/2= <b>12.5</b>	
12.	Szeidert, I.; Biriescu, M.; <b>Mihet-Popa, L.</b> ; Toader, D., „Analysis by numerical simulation regarding the stability of the synchronous generator operating in autonomous or grid connected regime,, Proceedings of the 5th International Symposium on Applied Computational Intelligence and Informatics-SACI 2009, Timisoara-Romania, May 16-18, pp. 262-266, 2009, ISBN: 1-4244-1234-X, Accession number: <b>WOS: 000273929400047 (ISI Proceedings, ISI Web of Knowledge)</b> .	5	(25+20*factor de impact)/nr. autori	(25+20*0)/4= <b>6.25</b>	
13.	I. Szeidert, O. Prosteian, N. Budisan, and Lucian Mihet-Popa, „Considerations regarding the induction generator’s self-excitation within energy power stations”, Proceedings of the 5th International Symposium on Applied Computational Intelligence and Informatics-SACI 2009, Timisoara-Romania,	5	(25+20*factor de impact)/nr. autori	(25+20*0)/4= <b>6.25</b>	

	May 16-18, pp. 257-261, 2009, ISBN: 978-1-4244-1234-1, Accession number: <b>WOS: 000248622500045</b> (ISI Web of Knowledge, <b>ISI Proceedings</b> )				
14.	<b>L. Mihet-Popa</b> , C. Volosencu, O. Prostean, and I. Szeidert, „Simulation Algorithm Developed to investigate the effects of various rotor faults in cage-rotor induction machines”, 8th WSEAS International Conference on Power Systems (PS 2008), Santander-Spain, September 23-25, pp. 205-209, ISBN: 978-960-474-006-2; Accession number: <b>WOS: 000262475100034</b> <b>ISI-Proceedings</b> , ISI Web of Knowledge;	5	(25+20*factor de impact)/nr. autori	$(25+20*0)/4=6.25$	
15.	C. Vasar, M. Biriescu and <b>L. Mihet-Popa</b> , „In-Network Aggregation with Size Reduction for Wireless Sensor Networks – Quantitative Analysis”, 19th 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: <b>WOS: 000262860100724</b> ( <b>ISI-Proceedings</b> , ISI Web of Knowledge).	3	(25+20*factor de impact)/nr. autori	$(25+20*0)/3=8.33$	
16.	I. Szeidert, O. Prostean, I. Filip, C. Vasar and <b>L. Mihet-Popa</b> , „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: <b>WOS: 000259080000037</b> ( <b>ISI Proceedings</b> , ISI Web of Knowledge).	4	(25+20*factor de impact)/nr. autori	$(25+20*0)/5=5$	
17.	<b>L. Mihet-Popa</b> , V. Groza, O. Prostean 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: <b>WOS: 000261512100056</b> ( <b>ISI Proceedings</b> , ISI Web of Knowledge)	6	(25+20*factor de impact)/nr. autori	$(25+20*0)/4=6.25$	
18.	<b>Lucian Mihet-Popa</b> , O. Prostean, I. Szeidert, I. Filip, C. Vasar,	6	(25+20*factor de	$(25+20*0)/5=5$	

	“Fault Detection Methods for Frequency Converters Fed Induction Machines”, 12th IEEE Conference on Emerging Technologies and Factory Automation-ETFA 2007, September 25-28, Patras-Greece, pp. 161-168, IEEE Catalog number: 07TH8932C, ISBN: 1-6244-0826-1, Accession number: <b>WOS: 000254117100022 (ISI-Proceedings, ISI Web of Knowledge).</b>		impact)/nr. autori		
19.	N. Budisan, I. Filip, O. Prostean, , I. Szeidert and <b>Lucian Mihet-Popa</b> , „Considerations regarding the induction generator’s self-excitation within energy power stations”, Proceedings of the 4th International Symposium on Applied Computational Intelligence and Informatics-SACI 2007, Timisoara-Romania, May 16-18, pp. 257-262, 2007, ISBN: 1-4244-1234-X, <b>WOS: 000248622500045 (ISI Proceedings - ISI Web of Knowledge).</b>	6	(25+20*factor de impact)/nr. autori	$(25+20*0)/5=5$	
20.	<b>Lucian Mihet-Popa</b> and Ion Boldea, „Dynamics of control strategies for wind turbine applications”, the 10th International Conference on Optimisation of Electrical and Electronic Equipment, OPTIM 2006, May 18-19, Poiana Brasov, Vol. 2, pp. 199-206, <b>WOS: 000256418400033 (ISI Proceedings, ISI Web of Knowledge)</b>	8	(25+20*factor de impact)/nr. autori	$(25+20*0)/2=12.5$	
21.	Lucian Mihet-Popa, Ion Boldea and Ewen Ritchie, “Performance of wind turbine induction generators with self-regulated passive elements in the rotor”, IEEE – the 9th International Conference on Optimisation of Electrical and Electronic Equipment, OPTIM 2004, May 20-21, Poiana Braşov, Vol. 2, pp. 295-303, <b>WOS: 000255388800048 (ISI Proceedings, ISI Web of Knowledge);</b>	6	(25+20*factor de impact)/nr. autori	$(25+20*0)/3=8.33$	
22.	<b>Lucian Mihet-Popa</b> and Ion Boldea, “Variable speed wind turbines using induction generator connected to the grid: digital simulation versus test results”, IEEE – the 9th International Conference on Optimization of Electrical and	6	(25+20*factor de impact)/nr. autori	$(25+20*0)/2=12.5$	



	Electronic Equipment, OPTIM 2004, May 20-21, Poiana Braşov, Vol. 2, pp. 286-294, <b>WOS: 000255388800047 (ISI Proceedings, ISI Web of Knowledge)</b> ;				
23.	<b>Lucian Mihet-Popa</b> , Birgitte Bak-Jensen, Ewen Ritchie and Ion Boldea, "Condition Monitoring of Wind Generators", Record of IEEE-IAS 38th Annual Meeting, Salt Lake City-USA, 2003, 12-16 October, Vol. 3, pp. 1839-1846, ISBN: 0-7803-7883-0, Accession Number: <b>WOS:000187891400268 (ISI Proceedings, INSPEC, IEEE Explore)</b> .	6	(25+20*factor de impact)/nr. autori	(25+20*0)/4= <b>6.25</b>	
24	<b>L. Mihet-Popa</b> , 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. 437-442, ISBN: 978-1-4673-6400-3, <b>WOS:000333188100079 (ISI Proceedings, ISI Web of Knowledge)</b>	6	(25+20*factor de impact)/nr. autori	(25+20*0)/5=5	
25.	<b>L. Mihet-Popa</b> , 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 ( <b>ISI Proceedings, ISI Web of Knowledge</b> (Accesion number: <b>WOS: 000333806702005</b> ))	6	(25+20*factor de impact)/nr. autori	(25+20*0)/4= <b>6.25</b>	
	<b>25 articole &gt; 8 articole (cerința minimă)</b>			<b>TOTAL ISI: 293.93</b>	

2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale (minim 16 pentru profesor/CSI)

Nr. crt	Publicația	Nr. pg	Indicatori	Punctaj	Obs
1.	<b>L. Mihet-Popa</b> , 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 ( <b>Scopus, IEEE Explore, Google Scholar</b> ).	6	20/nr autori	20/3=6.66	
2.	<b>L. Mihet-Popa</b> , 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 ( <b>SCOPUS, Google Scholar</b> ).	6	20/nr autori	20/4=5	
3.	C. Koch-Ciobotaru, <b>L. Mihet-Popa</b> , 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 ( <b>SCOPUS, Inspec, Engineering Village</b> ).	6	20/nr autori	20/4=5	
4.	<b>L. Mihet-Popa</b> , 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 ( <b>SCOPUS, IEEE Explore, Google Scholar</b> ).	10	20/nr autori	20/4=5	
5.	<b>L. Mihet-Popa</b> , 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,	10	20/nr autori	20/2=10	

	2011, pp. 1410-1418, ISSN: 1974-9821 ( <b>Cambridge Scientific Abstract, Elsevier Bibliographic Database SCOPUS, Index Copernicus (Journal Master List): Impact Factor 6.51</b> );				
6.	<b>L. Mihet-Popa, V. Groza, „Modelling and Simulation the Dynamics of 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);</b>	12	20/nr autori	20/2=10	
7.	<b>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);</b>	6	20/nr autori	20/2=10	
8.	<b>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);</b>	8	20/nr autori	20/2=10	
9.	F. Frigura, <b>L. Mihet-Popa</b> , 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, ( <b>Scopus, IEEE Explore, INSPEC, Google Scholar</b> );	6	20/nr autori	20/4=5	
10.	F. Frigura, <b>L. Mihet-Popa</b> , 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 ( <b>Scopus, IEEE Explore, INSPEC, Google Scholar</b> );	6	20/nr autori	20/4=5	
11.	I. Filip, <b>L. Mihet-Popa</b> , I. Szeidert and C. Vasar, „On-line tuning procedure of a recursive parameter estimator used for a synchronous generator adaptive control”, Proceedings of the		20/nr autori	20/4=5	

	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 ( <b>Scopus, IEEE Explore, INSPEC, Google Scholar</b> )				
12.	<b>Lucian Mihet-Popa and I. Filip</b> , „ <i>Modeling and simulations of a soft-starter for large wind turbine induction generators</i> ”, 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 ( <b>Scopus, IEEE Explore, INSPEC, Google Scholar</b> )		20/nr autori	20/2=10	
13.	<b>Lucian Mihet-Popa</b> , V. Groza, „ <i>Modeling, design and simulation of a grid connection control mode for a small variable-speed wind turbine system</i> ”, Electrical Power Conference-IEEE EPC 2009, Vol. 3, pp. 271-279, October 25-26, Montreal, Quebec-Canada, ISBN:978-14244-4509-7, ( <b>Inspec, IEEE Explore, Engineering Village, Google Scholar</b> ).		20/nr autori	20/2=10	
14.	<b>Lucian Mihet-Popa</b> , O. Prosteian and I. Szeidert, „ <i>An experimental laboratory system for monitoring and detection of electrical drives systems with induction machines</i> ”, International Scientific Journal Facta Universitatis - NIS, series Electronics and Energetics, April 2008, Vol. 21, No. 1, pp. 45-54, YU ISSN 0353-3670 ( <b>Scopus, Google Scholar</b> );		20/nr autori	20/3=6.66	
15.	<b>Lucian Mihet-Popa</b> and Ion Boldea, “Control strategies for large wind turbine applications”, Journal of Electrical Engineering-www.jee.ro, Vol. 7, Edition 3rd, October issue 2007, ISSN 1582-4594 ( <b>Inspec, SCOPUS</b> );		20/nr autori	20/2=10	
16.	<b>Lucian Mihet-Popa</b> , V. Groza, O. Prosteian, I. Szeidert, “ <i>Variable speed wind turbines using cage rotor induction generators connected to the grid</i> ”, Electrical Power Conference-IEEE EPC 2007, Vol. 3, pp. 271-279, October 25-26, Montreal, Quebec-Canada, ( <b>Scopus, Inspec, IEEE Explore, Engineering Village</b> ).		20/nr autori	20/4=5	

17.	<b>Lucian Mihet-Popa</b> and Ion Boldea, “ <i>Variable speed wind turbines using induction generator connected to the grid</i> ”, Journal of Electrical Engineering -www.jee.ro, Vol. 2, July 2006, ISSN 1582-4594 ( <b>Inspecc, SCOPUS</b> );		20/nr autori	20/2=10	
18.	<b>Lucian Mihet-Popa</b> , „ <i>Current-signature analysis in converter-fed induction machines under different operation conditions</i> ”, 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 ( <b>INSPEC, Engineering Village, IEEE Explore</b> ).		20/nr autori	20/1=20	
19.	<b>L. Mihet-Popa</b> and J.M. Pacas, „ <i>Active stall constant speed wind turbine during transient grid fault events and sudden changes in wind speed</i> ”, 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 ( <b>British Library, Google Scholar</b> );		20/nr autori	20/2=10	
20.	<b>L. Mihet-Popa</b> and J.M. Pacas, “ <i>Failure Detection in Converter Fed Induction Machines under Different Operation Conditions</i> ”, 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, ( <b>Scopus, IEEE Explore, Google Scholar</b> );	8	20/nr autori	20/2=10	
21.	<b>Lucian Mihet-Popa</b> , „ <i>Variable speed electric generators for the distributed power systems of the future?</i> ” – ELS 2005, International Symposium on unconventional electrical machines, Suceava, 22-23 September, pp. 152-158 ( <b>Google Scholar</b> )	6	20/nr autori	20/1=20	
22.	<b>Lucian Mihet-Popa</b> , „ <i>Control and performance of a Doubly-Fed Induction Machine for Wind Turbine Systems</i> ” – ELS 2005, International Symposium on unconventional electrical	6	20/nr autori	20/1=20	

	machines, Suceava, 22-23 September, pp. 158-164 ( <b>Google Scholar</b> )				
23.	<b>Lucian Mihet-Popa</b> 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 ( <b>Scopus, Google Scholar</b> ).	4	20/nr autori	20/2=10	
24.	<b>Lucian Mihet-Popa</b> , 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 ( <b>INSPEC, Engineering Village-Compendex, IEEE Explore, GEOBASE</b> ).	6	20/nr autori	20/4=5	
25.	<b>Lucian Mihet-Popa</b> , 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 ( <b>SCOPUS, IEEE Explore, Google Scholar</b> ).		20/nr autori	20/3=6.66	
26.	<b>L. Mihet-Popa</b> , „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, <b>ISSN 1224-600X</b> ; ( <b>Google Scholar</b> ).		20/nr autori	20/1=20	
	<b>26 articole &gt; 16 articole (cerința minimă)</b>			<b>TOTAL alte baze de date internaționale: 249.92</b>	

**Total punctaj articole în reviste și volumele unor manifestări științifice indexate ISI și BDI: 293.93+249.92=543.85**

### 2.3. Granturi/Proiecte câștigate prin competiție

#### 2.4.1. Director/responsabil – Minim 2 pentru Profesor/CS I

##### 2.4.1.1. Internaționale

Nr. crt	Denumire grant/proiect	Anul	Indicatori	Punctaj	Obs
1.	. <b>“Smart Modelling of Optimal Integration of High Penetration of PV-Smooth PV”</b> , ( <a href="http://www.smooth-pv.info/">http://www.smooth-pv.info/</a> ), PV ERA NET - EU International Project, 2011-2013. Beneficiar Riso DTU (Universitatea Tehnica din Danemarca): <b>(WP10 and WP11 Responsible/Leader); Amount: 1.101.000 EUR (278.000 EUR allocated to Riso DTU). 5 Parteneri din 4 țări: Energynautics GmbH(project leader) și EWi Institute-Germania, DTU-Danemarca, KTH-Suedia,TUE Eindhoven University- Olanda</b>	2011-2012	20 * ani de desfășurare	20*2=40	
2.	<b>“Distribution System Planning for Smart Grids-Smart Plan”</b> , ForskEL ID no. 10680, 2012-2013, <b>(WP3 and WP4 Responsible/Leader)</b> . Grant/proiect finanțat de Danish Energy Agency (Energynet.dk) si Danish Technical University-DTU. <b>Amount: 3.483.000 Dkk (465.000 EUR). Parteneri: DTU(Project leader-Dk), SEAS-NVE(Companie private de transport și distribuție a energiei-Dk), DanskEnergi(Compania nationala a Danemarcei de transport și distribuție a energiei)</b>	2012-2013	20 * ani de desfășurare	20*2=40	
3.	<b>“Application of smart grid in photovoltaic power systems-PVNET.dk”</b> , ForskEL Project ID 55802, 2012-2014 <b>(WP2 Responsible/Leader)</b> ; The project was sponsored by Danish Energy Agency -Energinet.dk and Danish Technical University-DTU, under the Electrical Energy Research	2012-2013	20 * ani de desfășurare	20*2=40	

	Program (ForskEL, grant number 55802). <b>Amount: 9.849.000 Dkk (1.320.000 EUR), Parteneri: DTU(Project leader), Danfoss Solar Inverters(Dk), EnergiMidt A/S, Ostkraft(Dk), (<a href="http://orbit.dtu.dk/en/projects/application-of-smart-grid-in-photovoltaic-power-systems(6ed2b04a-b959-4fc2-ace9-ebecfe2e523d).html">http://orbit.dtu.dk/en/projects/application-of-smart-grid-in-photovoltaic-power-systems(6ed2b04a-b959-4fc2-ace9-ebecfe2e523d).html</a>);</b>				
4.	<b>“Distributed Energy Resources Research Infrastructures- DERri”</b> , Seventh Framework Programme-FP7, EU Project No. 228449, 2011-2012; ( <a href="http://www.der-ri.net">www.der-ri.net</a> ). <b>16 Parteneri din 12 țări:</b> RSE(Italy), AIT(Austria), CEA-INES, CRES(Gr), EDF, IWES(Ger),TECNALIA(Sp), KEMA(Nederland), NTUA-ICCS(Gr), TU Lodz(Pl), TUS-RDS(Bg), VTT(Fi), USTRAT(UK), UNIMAN(UK), <b>Amount 180.000 EUR</b> , Beneficiary DTU(Danish Technical University).	2011-2012	20 * ani de desfășurare	20*1=20	
	<b>4 Granturi internaționale ca director/responsabil de proiect &gt; 2 Granturi (cerința minimă)</b>			<b>Total punctaj pentru director/responsabil in granturi internaționale: 140</b>	

## 2.4.2. Membru in echipa

### 2.4.2.1. Internaționale

Nr. crt	Denumire grant/proiect	Anul	Indicatori	Punctaj	Obs
1.	Improvement of the structures and efficiency of small horizontal axis wind generators with non regulated blades, POS_CCE-SEE-RO 018. Beneficiar UPT/Institutul de cercetări pentru energii regenerabile, Contract nr.13/01.03.2009 (646 034 EUR);	2009	4 * ani de desfășurare	4*3=12	
2.	Detection of failures in induction machines fed by voltage source inverters, Postdoc grant of the „Hagen Tschoeltsch-Stiftung”, Mai-Iulie 2004. Grant finantat de: Siegen University (Universitat Siegen)-Germania (3000 EUR)	2004	4 * ani de desfășurare	4*(3/12)=1	



3.	Condition monitoring of wind generators, J 51171/00-0021, Octombrie 2001-Decembrie 2002. Grant finantat de Danish Energy Agency, Aalborg University si VESTAS. Beneficiar: Aalborg University, Danemarca.	2001	4 * ani de desfășurare	4*(15/12)=5	
4.	Power plant characteristic of wind farms, Riso-R-1205, Octombrie 2000-Ianuarie 2001. Grant finantat de Riso National Laboratory & Institute of Energy Technology, Aalborg University-Danemarca.	2000	4 * ani de desfășurare	4*(4/12)=1.33	
				Total punctaj pentru membru in granturi internaționale: <b>19.33</b>	

#### 2.4.2.2. Naționale

Nr. crt	Denumire grant/proiect	Anul	Indicatori	Punctaj	Obs
1.	Cercetari privind conducerea unor noi structuri de agregate aeroelectrice cu turbine nereglabile și generator sincron cu magneți permanenți, Cod CNCSIS 372, Tip A-2007, nr. contract 46GR/11.05.2007. Beneficiar CNCSIS (160 000 RON)	2007	2 * ani de desfășurare	2*2=4	
2.	Cercetări privind noi sisteme automate de conversie electromecanica a energiei, cu mașini de inducție, cu aplicație la agregatele aero-electrice , 27688/14.03.2005-Nr. Tema:26A 628. Beneficiar CNCSIS (36 000 RON)	2005	2*ani de desfășurare	2*2=4	
3.	Aționări electrice și Convertoare Statice – AECS, Cod CNCSIS – D 117/1998, Tema 42. Beneficiar CNCSIS (50 000 USD)	1998	2*ani de desfășurare	2*1=2	
				<b>Total punctaj granturi naționale: 10</b>	

Total punctaj granturi: 140+19.33+10=169.33

**Total Puncte Activitate de cercetare (A2): 715 > 300**

## Recunoașterea și impactul activității (A3)

### 3.1. Citări în reviste și volumele conferințelor ISI și BDI pentru Profesor/CS I: minim 40 citări

#### 3.1.1. ISI

Nr. crt	Articolul citat	Indicatori	Punctaj
1.	<b>Lucian Mihet-Popa</b> , F. Blaabjerg and I. Boldea, " <i>Wind Turbine Generator Modeling and Simulation where Rotational Speed is the Controlled Variable</i> ", IEEE-IAS Transactions on Industry Applications, January / February 2004, Vol. 40, No. 1, pp. 3-10, ISSN: 0093-9994, INSPEC Accession Number: 7895740, <b>(ISI Journal - ISI Web of Knowledge, 50 Citations)</b> .	(5*nr.citari)/nr. autori	(5*50)/3=83.33
2.	<b>Lucian Mihet-Popa</b> , Birgitte Bak-Jensen, Ewen Ritchie and Ion Boldea, " <i>Condition Monitoring of Wind Generators</i> ", 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, INSPEC Accession Number: 7798516 <b>(ISI Proceedings)</b> .	(5*nr.citari)/nr. autori	(5*6)/4=7.5
3.	<b>Lucian Mihet-Popa</b> and V. Groza, „ <i>Modeling and simulations of a 12 MW wind farm</i> ”, Journal of Advances in Electrical and Computer Engineering, Vol. 10, No. 2, 2010, pp. 141-144, ISSN 1582-7445, <a href="http://www.aece.ro">www.aece.ro</a> <b>(ISI Journal, ISI Web of Knowledge-Citation)</b> .	(5*nr.citari)/nr. autori	(5*1)/2=2.5
4.	<b>Lucian Mihet-Popa</b> , O. Proștean and I. Szeidert, „ <i>The soft-starters modeling, simulations and control implementation for 2 MW constant-speed wind turbines</i> ”, The International Review of Electrical Engineering – IREE, Vol. 3, No. 1, January-February 2008, pp. 129-135, ISSN: 1827-6660 <b>(ISI Journal, ISI Web of Knowledge, ISI Thomson, Impact factor: 1.4, 1 citation)</b> .	(5*nr.citari)/nr. autori	(5*1)/3=1.66
5.	<b>Lucian Mihet-Popa</b> , „ <i>Current Signature Analysis as Diagnosis Media for incipient fault detection</i> ”, Journal of Advances in Electrical and Computer Engineering, Vol. 7 (14), no. 2 (28), December 2007, ISSN 1582-7445, pp. 11-16, <a href="http://www.aece.ro">www.aece.ro</a> <b>(ISI Journal, ISI Web of Knowledge, Impact Factor: 0.55, 1 citation)</b> .	(5*nr.citari)/nr. autori	(5*2)/1=10
			<b>60 citări</b>
			<b>Total punctaj citări ISI: 105</b>

### 3.1.2. BDI (SCOPUS, Google Scholar)

Nr. crt	Articolul citat	Indicatori	Punctaj
1.	<b>Lucian Mihet-Popa</b> , F. Blaabjerg and I. Boldea, " <i>Wind Turbine Generator Modeling and Simulation where Rotational Speed is the Controlled Variable</i> ", IEEE-IAS Transactions on Energy Conversion, January / February 2004, Vol. 40, No. 1, pp. 3-10, ISSN: 0093-9994, INSPEC Accession Number: 7895740 (Scopus, Google Scholar)	(3*nr.citari)/nr. autori	(3*240)/3=240
2.	<b>Lucian Mihet-Popa</b> , Birgitte Bak-Jensen, Ewen Ritchie and Ion Boldea, " <i>Condition Monitoring of Wind Generators</i> ", 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, INSPEC Accession Number: 7798516 (Scopus, Google Scholar)	(3*nr.citari)/nr. autori	(3*105)/4=78.75
3.	L. Mihet-Popa, „Wind Turbines using Induction Generators connected to the grid”, Ph.D. dissertation, POLITEHNICA University of Timisoara, December 2002	(3*nr.citari)/nr. autori	(3*13)/1=39
4.	C. Koch-Ciobotaru, <b>L. Mihet-Popa</b> , 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 ( <b>SCOPUS, Inspec, Engineering Village</b> ).	(3*nr.citari)/nr. autori	(3*18)/4=13.5
5.	<b>Lucian Mihet-Popa</b> , V. Groza, O. Prosteian, I. Szeidert, " <i>Variable speed wind turbines using cage rotor induction generators connected to the grid</i> ", Electrical Power Conference-IEEE EPC 2007, Vol. 3, pp. 271-279, October 25-26, Montreal, Quebec-Canada, ( <b>Scopus, Inspec, IEEE Explore, Engineering Village</b> ).	(3*nr.citari)/nr. autori	(3*15)/5=9
6.	<b>L. Mihet-Popa</b> , 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	(3*nr.citari)/nr. autori	(3*10)/4=7.5

	Conference on Optimisation of Electrical and Electronic Equipment, IEEE OPTIM 2012, May 24-26, Brasov-Romania, pp. 1022-1031, ISSN 1842-0133 ( <b>SCOPUS, IEEE Explore, Google Scholar</b> ).		
7.	I. Szeidert, O. Proștean, I. Filip, C. Vasar and <b>L. Mihet-Popa</b> , „ <i>Issues regarding the modeling and simulation of wind energy conversion system’s components</i> ”, 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 ( <b>Scopus, Google Scholar</b> ).	(3*nr.citari)/nr. autori	(3*10)/5=6
8.	<b>Lucian Mihet-Popa</b> , O. Proștean and I. Szeidert, „ <i>The soft-starters modeling, simulations and control implementation for 2 MW constant-speed wind turbines</i> ”, The International Review of Electrical Engineering – IREE, Vol. 3, No. 1, January-February 2008, pp. 129-135, ISSN: 1827-6660 ( <b>Scopus, Google Scholar</b> )	(3*nr.citari)/nr. autori	(3*15)/3=15
9.	<b>L. Mihet-Popa</b> and J.M. Pacas, “ <i>Failure Detection in Converter Fed Induction Machines under Different Operation Conditions</i> ”, 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, ( <b>Scopus, IEEE Explore, Google Scholar</b> );	(3*nr.citari)/nr. autori	(3*8)/2=12
10.	<b>L. Mihet-Popa</b> , V. Groza, „ <i>Indicators and signal processing techniques for detection of rotor faults in induction machines</i> ”, International Review of Modelling and Simulations-IREMOS, Vol. 3, No. 4, August, 2010, pp. 538-545, ISSN: 1974-9821 ( <b>Cambridge Scientific Abstract, Elsevier Bibliographic Database SCOPUS, Index Copernicus</b> );	(3*nr.citari)/nr. autori	(3*10)/2=15
11.	Y. Zong, <b>L. Mihet-Popa</b> , D. Kullman, A. Thavlov, O. Gehrke and H. Bindner, „ <i>Model Predictive Controller for Active Demand Side Management with PV Self-Consumption in an Intelligent Building</i> ”, IEEE PES Innovative Smart Grid Technologies Europe, Berlin-Germany, October 14-17 ( <b>Scopus, IEEE Explore, Google Scholar</b> )	(3*nr.citari)/nr. autori	(3*10)/6=5
12.	<b>L. Mihet-Popa</b> and J.M. Pacas, „ <i>Active stall constant speed wind turbine during transient grid fault events and sudden changes in wind speed</i> ”,	(3*nr.citari)/nr. autori	(3*5)/2=7.5

	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 ( <b>British Library, Google Scholar</b> );		
13.	<b>Lucian Mihet-Popa</b> , F. Blaabjerg and I. Boldea, " <i>Simulation of Wind Generator Systems for the Power Grid</i> ", 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 ( <b>SCOPUS, IEEE Explore, Google Scholar</b> ).	(3*nr.citari)/nr. autori	(3*4)/3=4
14.	<b>Lucian Mihet-Popa</b> and I. Filip, " <i>Modeling and simulations of a soft-starter for large wind turbine induction generators</i> ", 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 ( <b>Scopus, Google Scholar</b> ).	(3*nr.citari)/nr. autori	(3*3)/2=4.5
15.	<b>Lucian Mihet-Popa</b> , " <i>Current Signature Analysis as Diagnosis Media for incipient fault detection</i> ", Journal of Advances in Electrical and Computer Engineering, Vol. 7 (14), no. 2 (28), December 2007, ISSN 1582-7445, pp. 11-16 ( <b>Scopus, Google Scholar</b> )	(3*nr.citari)/nr. autori	(3*3)/1=9
16.	<b>Lucian Mihet-Popa</b> and Ion Boldea, " <i>Dynamics of control strategies for wind turbine applications</i> ", 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 ( <b>Scopus, Google Scholar</b> )	(3*nr.citari)/nr. autori	(3*3)/2=4.5
17.	<b>L. Mihet-Popa</b> , V. Groza, " <i>Dynamic Modeling, Simulation and Control Strategies for 2 MW Wind Generating Systems</i> ", International Review of Modelling and Simulations-IREMOS, Vol. 3, No. 6, December, 2010, pp. 1410-1418, ISSN: 1974-9821 ( <b>Cambridge Scientific Abstract, Elsevier Bibliographic Database SCOPUS, Index Copernicus (Journal Master List): Impact Factor 6.51</b> );	(3*nr.citari)/nr. autori	(3*2)/2=3
18.	<b>Lucian Mihet-Popa</b> and V. Groza, " <i>Modeling and simulations of a</i>	(3*nr.citari)/nr.	(3*2)/2=3

	12 MW wind farm", Journal of Advances in Electrical and Computer Engineering, Vol. 10, No. 2, 2010, pp. 141-144, ISSN 1582-7445 (Scopus, Google Scholar)	autori	
19.	L. Mihet-Popa, V. Groza, O. Prostean 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 (Scopus, Google Scholar);	(3*nr.citari)/nr. autori	(3*2)/4=1.5
20.	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 (Scopus, Google Scholar);	(3*nr.citari)/nr. autori	(3*2)/2=3
21.	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 (Scopus, IEEE Explore, Google Scholar).	(3*nr.citari)/nr. autori	(3*2)/3=2
22.	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	(3*nr.citari)/nr. autori	(3*2)/2=3
23.	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);	(3*nr.citari)/nr. autori	(3*1)/2=1.5
24.	Szeidert, I.; Biriescu, M.; Mihet-Popa, L.; Toader, D., „Analysis by numerical simulation regarding the stability of the synchronous	(3*nr.citari)/nr. autori	(3*1)/4=0.75

	<i>generator operating in autonomous or grid connected regime,,</i> Proceedings of the 5 <sup>th</sup> International Symposium on Applied Computational Intelligence and Informatics-SACI 2009, Timisoara-Romania, May 16-18, pp. 262-266, 2009, ISBN: 1-4244-1234-X (Scopus, Google Scholar)		
25.	<b>Lucian Mihet-Popa</b> , O. Prostean, I. Szeidert, I. Filip, C. Vasar, " <i>Fault Detection Methods for Frequency Converters Fed Induction Machines</i> ", 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(Scopus, Google Scholar);	(3*nr.citari)/nr. autori	(3*1)/5=0.6
			<b>Total citări BDI 590</b>
	<b>Total citări (ISI + BDI)=(60+590)=650 &gt; 40 (minim necesar)</b>		<b>Total punctaj citări BDI: 485.5</b>

**Total punctaj citări: 105+485.5=590.5**

3.3. Membru in colectivele de redacție sau comitete științifice al revistelor si manifestărilor științifice, organizator de manifestări științifice, recenzor pentru reviste si manifestări științifice, naționale si internaționale (punctajul se acorda pentru fiecare revista, manifestare științifica si recenzie)

3.3.1. ISI (10 puncte/activitate)

Nr. crt	Recenzor pentru reviste si manifestări științifice sau Eveniment științific	Punctaj	Obs
1.	Recenzor pentru revista ELSEVIER „Energy Conversion and Management”,	10*5=50	
2.	Recenzor pentru revista IET „Wind Energy”,	10*3=30	
3.	Recenzor pentru revista IEEE Transactions on Smart Grid/IF 4.334	10*3=30	

4.	Recenzor pentru Conferinta ISI „IEEE PES ISGT”, Lyngby, Danemarca, November 2013,	10*10=100	Membru in comitetul de organizare al Conferintei
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### 3.3.2. BDI (6 puncte/activitate)

Nr. crt	Recenzor pentru reviste si manifestări științifice sau Eveniment științific	Punctaj	Obs
1.	Recenzor pentru Conferința Internațională „IEEE ICEM 2010, 2012”, I2MTC	6*5=30	
2.	Recenzor pentru revista JEE, 2004-2010,	6*5=30	
3.	Recenzor pentru Conferința ISI „IEEE PES ISGT”, Lyngby November 2013,	6*10=60	

### 3.6. Premii internaționale (10 puncte):

Nr. crt	Premii internaționale	Punctaj	Obs
1.	The paper published by the IEEE IAS Transactions on Industry Applications in 2004 entitled “ <b>Wind Turbine Generator Modeling and Simulation Where Rotational Speed is the Controlled Variable</b> ”, January / February 2004, Vol. 40, No. 1, received the 2005 <b>Second Prize Paper Award</b> ;	10	

3.7. Membru in academii, organizații, asociații profesionale de prestigiu, naționale si internaționale, apartenența la organizații din domeniu educației si cercetării

3.7.4. Asociații profesionale internaționale (5 puncte) si naționale(2 puncte)

-IEEE Membership number 92262859 (5 puncte)



**Total punctaj A3:  $590,5+347=937,5$**

**Condiția minimă pt. Profesor:  $A1+A2+A3=80+300+60=440$**

**Total puncte realizat:  $A1+A2+A3=530 + 715 + 937,5 = 2182,5$**

**$2182,5 > 440$**

Timișoara, 18.11.2014

Lucian MIHEȚ (MIHEȚ-POPA)

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# FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE, necesare și obligatorii, pentru conferirea titlului didactic de Profesor Universitar

Domeniul: INGINERIE ELECTRICĂ

Candidat: Conf. dr. ing. Lucian MIHEȚ (MIHEȚ-POPA)

Facultatea de Electrotehnică și Electroenergetică, Departamentul de Inginerie Electrică

UNIVERSITATEA POLITEHNICA TIMISOARA

## 1. Activitatea didactică și profesională (A1)

Activitate	Nr. minim	Nr. realizat	Punctaj obținut
1.1. Cărți și capitole în cărți de specialitate			
1.1.1 Cărți /capitole, didactice sau monografii, cu ISBN ca autor	4	8	410,8
1.1.1.1 Internaționale		2 capitole de carte	14.5
1.1.1.2 Naționale		6 carti(1 monografie + 5 carti ca unic autor)	
1.2 Suport didactic			
1.2.1 Suport de curs inclusiv electronic	2	4	106.6
1.2.2 Îndrumător de laborator/aplicații	2	2	6.075
			<b>Total: 530</b>

**Total puncte obținute pentru Activitate didactică și profesională (A1): 530 > Condiția minimală de 80 de puncte**

## 2. Activitatea de cercetare (A2)

Activitate	Nr. minim	Nr. realizat	Punctaj obținut
2.1 Articole în extenso în reviste cotate și în volume Proceedings indexate ISI Thomson-Reuters, brevete de	8	25	293.93
2.2 Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale	16	26	249.92
2.3 Granturi/Proiecte câștigate prin competiție			
2.3.1 Director/Responsabil (Granturi internaționale)	2	4	140
2.3.2 Membru în echipa de cercetare		7	29.33
2.3.2.1 Granturi internaționale		4	19.33

2.3.2.2 Granturi naționale		3	10
			<b>Total: 715</b>

**Total Puncte realizate pentru Activitatea de cercetare (A2): 715 > 300**

### 3. Recunoașterea si impactul activității (A3)

Activitate	Nr. minim	Nr. realizat
<b>3.1 Citări in reviste si volumele conferințelor ISI si BDI</b>	40	<b>650 (60 ISI+590 BDI)</b>
3.1.1 Citări in revistele si volumele conferințelor indexate ISI		105
3.1.2 Citări in revistele si volumele conferințelor indexate BDI		485,5
3.3 Membru in colectivele de redacție sau comitete științifice al revistelor si manifestărilor științifice, organizator de manifestări științifice, recenzor pentru reviste si manifestări științifice, naționale si internaționale		330
3.6 Premii internaționale		10
3.7 Membru in academii, organizații, asociații profesionale de prestigiu, naționale si internaționale, apartenența la organizații din domeniu educației si cercetării		7
		<b>Total: 937,5</b>

**Total Puncte realizate pentru Recunoașterea si impactul activității (A3):937,5>60**

**Punctaj total realizat: A1 + A2 + A3= 530+713,18+937,5=2182,5**

Condiția minimală pentru Profesor A1+A2+A3=80+300+60=440

Calculul detaliat al punctajului realizat este redat in Fisa detaliata de verificare a standardelor minimale

Timișoara

18 Noiembrie 2014

Conf.dr.ing. Lucian MIHEȚ (MIHET-POPA)

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