

LISTA DE LUCRARI

Prof. dr. ing. Mihaela Marilena ALBU

A1. Activitatea didactica si profesionala

TEZA DE DOCTORAT (T)

T1. **Mihaela Albu**, *Contribuții Privind Studiul Fenomenelor Tranzitorii pe Liniile Electrice de Inalta Tensiune cu Aplicație la Proiectarea Protecțiilor Numerice de Distanță* (Transient Phenomena on HV aerial lines for distance protection design), – UPB, susținută public la 9 ianuarie 1998; **Conducator de doctorat: Prof. Arie A. Arie**,

A1.1. Carti si capitole în carti de specialitate

A1.1.1. Carti cu ISBN/ capitole ca autor didactice sau monografii

A1.1.1.1 internationale

Ca1. K. Holbert, **Mihaela Albu**, F. Mihai, **2004**, *Online Experimentation with a Spectrum Analyzer in a Signal Processing Virtual Laboratory*, book Chapter 19 in *Innovations 2004: World Innovations in Engineering Education and Research*, W. Aung, Ed., Begell House Publishing for International Network for Engineering Education and Research (iNEER), pp. 201-213, ISBN 0-9741252-1-0

A1.1.1.2 nationale

- Cb1.** Cătălin Buiu, **Mihaela Albu**, **2000**, *Agenți software inteligenți. Principii fundamentale și aplicații*, 222 pagini, Ed. ICPE, 2000, ISBN 973-8067-14-6
- Cb2.** Mihaela Albu, **2000**, *Prelucrarea numerică a semnalelor din sistemele de măsurare*, 128 pagini. Ed. PRINTECH, București, ISBN 973-652-148-6
- Cb3.** **Mihaela Albu**, **2001**, *Prelucrarea semnalelor din sistemele de măsurare*, 140 pagini, Editura Secorex, 2001, ISBN 973-85298-8-3
- Cb4.** **Mihaela Albu**, **2002**, *Simulare și experimentare*, capitolul 5 in: G.G. Constandache, coord., *Filosofie și Științe Cognitive*, MatrixRom, București, ISBN 973-685-409-4, pp.128-143
- Cb5.** C. Cepisca, C. Golovanov, C., **Mihaela Albu**, C. Vlăicu, S. Grigorescu, M. Saracin, **2004**: *Bilanțuri electroenergetice. Măsurări electrice*, 106 pagini, Ed. PRINTECH, Bucuresti, 2004, ISBN 973-652-912-6.

A1.1.2. Carti/ capitole de carti ca editor/coordonator

A1.1.2.1 internationale

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A1.1.2.2 nationale:

Cc1. Carmen Golovanov, **Mihaela Albu**, coord., (9 autori) **2001**, *Probleme moderne de măsurare în electroenergetică*, 800 pagini, Editura Tehnică București, 2001, ISBN 973-31-2065-0

A1.2. Suport didactic

A1.2.1. Suport de curs inclusiv electronic (SE)

- SE1.** **Mihaela Albu**, *Elektrische Messtechnik (curs si laborator)*, suport de curs Facultatea de Inginerie cu predare in limi straine, FILS, filiera germana, **1994** -, 327 slide-uri
- SE2.** **Mihaela Albu**, *Prelucrarea semnalelor*, suport de curs Facultatea de Inginerie Electrica, **2006**-, 391 slide-uri
disponibil la: http://www.vlab.pub.ro/courses/prelucrarea_semnalelor/
- SE3.** **Mihaela Albu**, *Sensoren und Aktuatoren*, suport de curs Facultatea de Inginerie cu predare in limi straine, FILS, filiera germana, **2008** -, 272 slide-uri
disponibil la: <http://www.vlab.pub.ro/courses/sensoren/>
- SE4.** **Mihaela Albu**, *Rețele inteligente de distributie a energiei electrice (curs si laborator)*, suport de curs Facultatea de Inginerie Electrica, Master SEA, **2010** -, 179 slide-uri
disponibil la: http://www.vlab.pub.ro/courses/smart_grids/
disponibil la: <http://www.vlab.pub.ro/courses/messtechnik/>
- SE5.** **Mihaela Albu**, *Masurarea marimilor electrice*, suport de curs Facultatea de Energetica, **2012**-, 285 slide-uri
disponibil la: <http://www.vlab.pub.ro/courses/Masurarea%20Marimilor%20electrice/>

A1.2.2. Indrumare de laborator/aplicatii;

- I1.** Carmen Ionescu Golovanov, Costin Cepisca, **Mihaela Albu**, Sorin Grigorescu, Florin Anghel, Laurentiu Ilie, *Măsurări electrice și electronice, Indrumar de laborator*, 136 pagini, Litografia UPB, **1994**
- I2.** Constantin Vlaicu, **Mihaela Albu**, *Sisteme digitale de măsurare. Îndrumar de laborator*, 60 pagini, Litografia UPB, **1994**.
- I3.** **Mihaela Albu**, *Elektrische Meßtechnik. Labor I*. Indrumar de laborator, 93 pagini, Litografia UPB, **1995**.
- I4.** **Mihaela Albu**, Catalin Dumitriu, coordonator Arie Arie, *Fenomene neliniare in sistemele electroenergetice. Indrumar de laborator*, 39 pagini, Litografia UPB, **1996**.
- I5.** Costin Cepisca, Constantin Vlaicu, Sorin Grigorescu, **Mihaela Albu**, Marius Leucutia, coordonator Costin Cepișcă, *Masurari electrice si electronice. Indrumar de laborator, partea I*, 74 pagini, Secorex, **1996**.
- I6.** Carmen Ionescu Golovanov, Constantin Vlaicu, Florin Anghel, Stefan Andrei, **Mihaela Albu**, Marin Ghinea, Sorin Grigorescu, Laurentiu Ilie, Viorel Petre, Marcel Stanciu, Daniela Urmă, coordonator Carmen Golovanov: *Măsurări electrice si electronice, Indrumar de laborator, partea I-a*, 164 pagini, Litografia UPB, **1996**.
- I7.** Costin Cepisca, Constantin Vlaicu, Sorin Grigorescu, **Mihaela Albu**, Marius Leucutia, coordonator Costin Cepișcă, *Masurari electrice si electronice. Indrumar de laborator, partea a II-a*, 169 pagini, Secorex, **1997**.
- I8.** Carmen Ionescu Golovanov, Constantin Vlaicu, Florin Anghel, Stefan Andrei, **Mihaela Albu**, Marin Ghinea, Sorin Grigorescu, Laurentiu Ilie, Viorel Petre, Marcel Stanciu, Daniela Urmă, coordonator Carmen Golovanov, *Măsurări electrice și electronice, Indrumar de laborator, partea a II-a*, 120 pagini, Lit. UPB, **1997**
- I9.** Costin Cepisca, Constantin Vlaicu, **Mihaela Albu**, Sorin Grigorescu, Florin Anghel, coordonator **Mihaela Albu**, *Elektrische Meßtechnik; Praktikum II*. Indrumar de laborator, 90 pagini, Litografia UPB, **1997**.
- I10.** Carmen Golovanov, Costin Cepisca, Sorin Grigorescu, Constantin Vlaicu, **Mihaela Albu**, Marius Leucutia. *Masurarea mărimilor electrice si neelectrice. Mărimi electrice. Indrumar de laborator*, 133 pagini, Litografia UPB, **1997**.

- I11.** Costin Cepisca, Constantin Vlaicu, Sorin Grigorescu, **Mihaela Albu**, Cosmin Banica, George Seritan, coordonator Costin Cepisca, *Măsurări electrice si sisteme de măsurare. Indrumar de laborator I*, 74 pagini, Litografia UPB, **1999**.
- I12.** Constantin Vlaicu, **Mihaela Albu**, *Sisteme numerice de măsurare asistate de calculator. Îndrumar de laborator*, 84 pagini, Litografia UPB, **1999**
- I13.** Carmen Golovanov, Constantin Vlaicu, coord.; **Mihaela Albu**, Marcel Stanciu, V. Petre, D. Urma, D. Oancea, C. Cepisca, B. Pantelimon, Sorin Grigorescu: *Masurarea mărimilor electrice si neelectrice, partea a III-a. Indrumar de laborator*, 168 pagini, Litografia UPB, **2000**.
- I14.** Carmen Golovanov, Constantin Vlaicu, Florin Anghel, Stefan Andrei, **Mihaela Albu**, Marin Ghinea, Sorin Grigorescu, Laurentiu Ilie, Marcel Stanciu, Daniela Urma: *Masurari electrice si sisteme de masurare, partea I-a. Indrumar de laborator*, 164 pagini, Litografia UPB, **2000**.
- I15.** Carmen Golovanov, Constantin Vlaicu, Sorin Grigorescu, **Mihaela Albu**, Marcel Stanciu, V. Petre, D. Urma, C. Saracin: *Masurari electrice si sisteme de masurare, 1. Indrumar de laborator*, 173 pagini, Litografia UPB, **2001**.

A2. Activitatea de cercetare (A2)

A2.1. Articole in extenso in reviste cotate si in volume proceedings indexate ISI Thomson-Reuters *), brevete de inventie - notatie intermediara [Ris –reviste de specialitate cotate ISI; Vis – volume proceedings indexate ISI; Bis- brevete de inventive]:

- Ris1.** **Mihaela M. Albu**, G.T. Heydt, **2003**, *On the Use of RMS Values in Power Quality Assessment*, IEEE Transactions on Power Delivery, vol. 18, nr. 4, **Oct. 2003**, pp.1586-1588, ISSN: 0885-8977, ISI Web of Science: WOS:000185659500072, **impact factor 1.733**
- Ris2.** Geun-Joon Lee, **Mihaela M. Albu**, G. T. Heydt, **2004**, *A Power Quality Index Based on equipment Sensitivity, Cost and Network Vulnerability*, IEEE Transactions on Power Delivery, vol. 18, Issue 4, **Oct. 2003** Page(s):1586 – 1587, ISSN: 0885-8977, ISI Web of Science: WOS:000222429300080, **impact factor 1.733**
- Ris3.** **Mihaela M. Albu**, K. E. Holbert, G.T. Heydt, S. D. Grigorescu, V. Truşcă, **2004**, *Embedding Remote Experimentation In Power Engineering Education*, IEEE Transactions on Power Systems, vol. 19, no. 1, **February 2004**, pp.139-143, ISSN: 0885-8950, ISI Web of Science: WOS:000188951000019, **impact factor 2.814**
- Ris4.** **Mihaela Albu**, Alessandro Ferrero, Florin Mihai, Simona Salicone, **2005**: *Remote calibration using mobile, multiagent technology*, IEEE Transactions on Instrumentation and Measurement, Vol. 54, Issue 1, **Feb. 2005** Page(s): 24 – 30, ISSN: 0018-9456, ISI Web of Science: WOS:000226342800004, **impact factor 1.79**
- Ris5.** Elias Kyriakides, **Mihaela Albu**, G. T. Heydt, **2007**, *Identification of the standard parameters of a steam turbine – generator using wavelet denoising*, Journal of Electric Power Components and Systems, vol. 38, No. 10, **October 2007**, pp. 1145 – 1158, ISSN: 1532-5016, ISI Web of Science: WOS:000248364200004, **impact factor 0.664**
- Ris6.** Saikat Chakrabarti, Elias Kyriakides, **Mihaela Albu**, **2009**, *Uncertainty in Power System State Variables Obtained Through Synchronized Measurements*, IEEE Transactions on Instrumentation and Measurement, Vol. 58, Issue 8, **Aug. 2009** Page(s):2452 – 2458, ISSN: 0018-9456, ISI Web of Science: WOS:000268033000010, **impact factor 1.79**
- Ris7.** **Mihaela Albu**, Elias Kyriakides, G. Chicco, M. Popa, A. Nechifor, **2010**, *Online Monitoring of the Power Transfer in a DC Test Grid*, IEEE Transactions on Instrumentation and Measurement, vol. 59 , Issue: 5 , **2010**, Page(s): 1104 – 1118, ISSN: 0018-9456, ISI Web of Science: WOS:000276416100014, **impact factor 1.79**
- Ris8.** Markos Asprou, Elias Kyriakides, **Mihaela Albu**, **2014**, *The Effect of Variable Weights in a WLS State Estimator Considering Instrument Transformer Uncertainties*, IEEE Trans. on Instrumentation and Measurement, Vol. 63, Issue: 6, **2014**, Page(s): 1484 – 1495, ISSN: 0018-9456, ISI Web of Science: WOS:000336787700010, **impact factor 1.79**
- Ris9.** A. Nechifor, **Mihaela Albu**, R. Hair, V. Terzija, **2015**, *A flexible platform for synchronized measurements, data aggregation and information retrieval*, Electric Power Systems Research, Elsevier, Vol. 120, **March 2015**, Page(s): 20-31, ISSN: 0378-7796, ISI Web of Science: WOS:000348885700003 **impact factor 1.749**

- Vis1.** **Mihaela Albu**, P. Postolache, C. Golovanov, **2000**, *Non-stationary Signals' Analysis in Power Systems A Time-Frequency Approach*, 10th Mediterranean Electrotechnical Conference, MeleCon2000, pp. 1181-1184, ISBN: 0-7803-6290-X, ISI Web of Science WOS:000166106500287
- Vis2.** G T. Heydt, D. S. James, E.S. Gel, **Mihaela Albu**, N.F. Hubele, **2003**, *The Reliability Analysis of High Power Switches Composed of Series and Parallel Branches*, Proc. of the IEEE PES 2003 General Meeting, Toronto, Canada, 13-17 July 2003, pp.472-479, ISBN: 0-7803-7989-6, ISI Web of Science WOS:000187500300119
- Vis3.** **Mihaela Albu**, A. Ferrero, F. Mihai, Simona Salicone, **2003**, *Remote Calibration Using Mobile, Multi-Agent Technology*, Proc. of International Measurement and Technology Conference IMTC/2003 - 20-22 May, 2003 - Vail, CO, USA, pp. 802-806, ISBN: 0-7803-7705-2, ISI Web of Science WOS:000183417200153
- Vis4.** Postelnicu, I.; Nemes, C.; **Mihaela Albu**, Nemes, T.; **2005**, *Improving Romanian academic environment: A project*. Proc. of 3rd Balkan Region Conference on Engineering Education, Advancing Engineering Education, pp. 59-62, Sibiu, ROMANIA, 12-15 Sept. 2005, ISBN: 973-739-147-0, ISI Web of Science WOS:000242322000012
- Vis5.** R. Magureanu, **Mihaela Albu**, A. M. Dumitrescu, M. Priboianu, **2006**, *A practical solution for grid connected dispersed generation from renewable sources: DC connection*, Proc. of SPEEDAM 2006 – IEEE Conference, Taormina, June 2006, pp. 1228-1231, ISBN: 1-4244-0193-3, ISI Web of Science WOS:000245297200221
- Vis6.** Duyar, C. Kuzkaya, K. Duyar, R. Măgureanu, M. Naumof, M. Priboianu, **Mihaela Albu**, **2007**, *Monitoring and Diagnosis for Induction Microhydro Electric Generators*, Proc. of SDEMPED, the 6th IEEE International Symposium on Diagnostics for Electric Machines, Power Electronics and Drives, Cracow (Poland), September 6-8, 2007, pp. 399-404, ISBN: 978-1-4244-1061-3, ISI Web of Science WOS:000253679600036
- Vis7.** D. Deaconu, A. Chirila, **Mihaela Albu**, L. Toma, **2007**: *Studies on a LV DC network*, Proc. of EPE2007, Sept. **2007**, Aalborg, Denmark (Proc. of EPE 2007, CD ROM), pp. 1-7, ISBN: 9789075815108, ISI Web of Science WOS:000255993601091
- Vis8.** R. Magureanu, **Mihaela Albu**, M. Priboianu, A.M. Dumitrescu, **2007**, *A DC Distribution Network with Alternative Sources*, Proc. of the 15th Mediterranean Conference on Control and Automation – MED07, 27-30 June, 2007 Athens, Greece, pp. 1-4, ISBN: 978-1-4244-1281-5, ISI Web of Science WOS:000257100800218
- Vis9.** S. Chakrabarti, D. Eliades, E. Kyriakides, **Mihaela Albu**, **2007**, *Measurement uncertainty considerations in optimal sensor deployment for state estimation*, Proc. of WISP 2007, Madrid, October 2007, pp. 513-518, ISBN 978-1-4244-0829-0, ISI Web of Science WOS:000252961000085
- Vis10.** Chirila, A.-I.; Deaconu, I.-D.; Navrapescu, V.; **Mihaela Albu**, Ghita, C., **2008**, *On the model of a Hybrid Step Motor*, Proc. of ISIE 2008, the IEEE International Symposium on Industrial Electronics, June 30 2008-July 2 2008 Page(s):496 – 501, ISBN: 978-1-4244-1665-3; ISI Web of Science WOS:000266702100179
- Vis11.** R. Magureanu, **Mihaela Albu**, V. Bostan, Al. Doka, **2008**, *Synchronous Generators Operating at Variable Speed in DC Networks*, Proc. of 18th Int. Conf. on Electrical Machines, ICEM 2008, Vilamoura, Portugal, ISBN: 978-1-4244-1735-3, pp. 1-6, ISI Web of Science WOS:000269315000106
- Vis12.** R. Magureanu, **Mihaela Albu**, V. Bostan, A.M. Dumitrescu, G. Dimu, F. Popa and M. Rotaru, **2008**, *Smart AC Grid Integrating Dispersed Small Hydropower Sources*, Proc. of OPTIM 2008, 21-24may 2008, Brasov, pp. 345-350, ISBN: 978-1-4244-1544-1, ISI Web of Science WOS:000258258700057
- Vis13.** R. Magureanu, **Mihaela Albu**, V. Bostan, A.M. Dumitrescu, M. Pelizza, F. Andreea, G. Dimu, F. Popa, M. Rotaru, **2008**, *Optimal Operation of Francis Small Hydro Turbines with Variable Flow*, Proc. of the IEEE International Symposium on Industrial Electronics ISIE'08, 30 June-2 July, 2008, Cambridge, UK, 1562-1567, ISBN: 978-1-4244-1665-3, ISI Web of Science WOS:000266702101067
- Vis14.** **Mihaela Albu**, Visscher, K.; Creanga, D.; Nechifor, A.; Golovanov, N., **2009**, *Storage selection for DG applications containing virtual synchronous generators*, Proc. of IEEE PowerTech, Bucharest, June 28 2009-July 2 2009 Page(s): 1 – 6, ISBN: 978-1-4244-2234-0, ISI Web of Science WOS:000276834600285

- Vis15.** Apetrei, D.; Chicco, G.; Postolache, P.; Golovanov, N.; **Mihaela Albu, 2009**, *Cluster analysis of half-cycle duration measurements to classify local and network events*, Proc. of IEEE PowerTech, Bucharest, June 28 2009-July 2 2009, Page(s): 1 – 7, ISBN: 978-1-4244-2234-0, ISI Web of Science WOS:000276834600202
- Vis16.** Van Thong, V.; Woyte, A.; **Mihaela Albu**, Van Hest, M.; Bozelie, J.; Diaz, J.; Loix, T.; Stanculescu, D.; Visscher, K., **2009**, *Virtual synchronous generator: Laboratory scale results and field demonstration*, Proc. of IEEE PowerTech, Bucharest, June 28 2009-July 2 2009, Page(s):1 – 6, ISBN: 978-1-4244-2234-0, ISI Web of Science WOS:000276834600226
- Vis17.** Marcel Stanciu, **Mihaela Albu**, Anatolie Boev, **2009**, *ECG monitoring. A software tool for deriving time and frequency parameters*, Proc. of the IEEE International Workshop on Medical Measurements and Applications MEMEA 2009, pp. 116-121, Cetraro, ITALY, 29-30 May 2009, ISBN: 978-1-4244-3598-2, ISI Web of Science WOS:000274280200026
- Vis18.** Apetrei, D.; Silvas, I.; **Mihaela Albu**, Postolache, P.; Neurohr, R., **2009**, *Voltage estimation in power distribution networks. A case study on data aggregation and measurement uncertainty*, Proc. of AMUEM 2009, the IEEE International Workshop on Advanced Methods for Uncertainty Estimation in Measurement, 6-7 July Bucharest 2009 Page(s):98 – 102, ISBN: 978-1-4244-3593-7, ISI Web of Science WOS:000274329100020
- Vis19.** Aurel Chirila, Dragos Deaconu, Valentin Navrapescu, **Mihaela Albu, 2009**, *Interactive design of electrical machines taking into account the measurement uncertainties*, Proc. of AMUEM 2009, IEEE International Workshop on Advanced Methods for Uncertainty Estimation in Measurement, 6-7 July Bucharest 2009 Page(s):89 – 92, ISBN: 978-1-4244-3593-7, ISI Web of Science WOS:000274329100018
- Vis20.** Naumof, M.; Dumitrescu, A.-M.; **Mihaela Albu**, Magureanu, R.; Flamanzeanu, D.; Odor, I., **2009**, *A study of the measurement chain in the power active filters. Uncertainty and control performances*, Proc. of AMUEM **2009**, IEEE International Workshop on Advanced Methods for Uncertainty Estimation in Measurement, 6-7 July Bucharest 2009 Page(s):103 – 108, ISBN: 978-1-4244-3593-7. ISI Web of Science WOS:000274329100021
- Vis21.** **Mihaela Albu, 2009**, *Message from the chairman*, Proc. of AMUEM 2009, IEEE International Workshop on Advanced Methods for Uncertainty Estimation in Measurement, 6-7 July Bucharest 2009 Page(s):89 – 92, ISBN: 978-1-4244-3593-7, ISI Web of Science
- Vis22.** **Mihaela Albu**, Chicco, G.; Kyriakides, E.; Nicolaou, G.; Nechifor, A.; Chirila, A.-I.; Deaconu, I.-D., **2009**, *Development of a DC test network for monitoring power transfer*, Proc. of the I2MTC '09. IEEE Instrumentation and Measurement Technology Conference, 5-7 May 2009 Page(s):1284 – 1289, ISBN: 978-1-4244-3352-0, ISI Web of Science WOS:000277153600248
- Vis23.** **Mihaela Albu**, Ralf Neurohr, Dan Apetrei, Ioan Silvas, Dumitru Federenciu, **2010**, *Monitoring voltage and frequency in smart distribution grids. A case study on data compression and accessibility*; Proc. of the IEEE Power Engineering Society General Meeting, Minneapolis, U.S.A., 26-29 July 2010, ISBN 978-1-4244-6549-1, pp. 1-6, ISI Web of Science WOS:000287611902166
- Vis24.** **Mihaela Albu**, Alexandru Nechifor, Doru Creanga, **2010**, *Smart Storage for Active Distribution Networks. Estimation and Measurement Solutions*, Proc. of the I2MTC '10. IEEE Instrumentation and Measurement Technology Conference, Austin, TX, 3-6 May 2010, pp. 1486-1491, ISBN: 978-1-4244-2832-8, ISI Web of Science WOS:000287997200283
- Vis25.** Apetrei, Dan; Chicco, Gianfranco; Neurohr, Ralf; **Mihaela Albu**, Postolache, Petru, **2010**, *Power quality monitoring. Data relevance and usefulness*, Proc. of the 15th IEEE Mediterranean Electrotechnical Conference MELECON 2010, Page(s): 1630 – 1635, ISBN: 978-1-4244-5793-9, ISI Web of Science WOS: 000286988200297
- Vis26.** Neurohr, Ralf; **Mihaela Albu**, Nechifor, Alexandru; et al., **2010**, *Frequency estimation in distribution grids from voltage monitoring data*, Proceedings of the 12th International Conference on Optimization of Electrical and Electronic Equipment OPTIM 2010, pp. 162-167, Brasov, Romania, May 2010, ISSN: 1842-0133, ISI Web of Science WOS:000291967300019
- Vis27.** Adrian Tulbure, Emilian Ceuca, **Mihaela Albu, 2012**, *Standard and Customised Measurements for Wind Potential Assessment*, Proc. of the I2MTC '12. IEEE Instrumentation and Measurement Technology Conference, Graz, Austria, 7-15 May 2012, pp. 865-869, ISBN: 978-1-4577-1771-0, ISI Web of Science WOS:000309449100163

- Vis28.** M. Asprou, E. Kyriakides, **Mihaela Albu, 2012**, *The Effect of Parameter and Measurement Uncertainties on Hybrid State Estimation*, Proc. of the IEEE Power Engineering Society General Meeting, San Diego, CA, U.S.A., 22-26 July 2012, pp. 1-8, ISBN: 978-1-4673-2729-9, ISI Web of Science WOS:000312493703105
- Vis29.** Mihai Calin, Ana Maria Dumitrescu, Markos Asprou, Elias Kyriakides, **Mihaela Albu, 2013**, *Measurement Data Aggregation for Active Distribution Networks*, Proc. of the IEEE Applied Measurements for Power Systems Workshop AMPS2013, Aachen, 25-27 Sept. 2013, pp.144-149, ISBN: 978-1-4673-5571-1, ISI Web of Science WOS:000330569400025
- Vis30.** Markos Asprou, Elias Kyriakides, **Mihaela Albu, 2013**, *The Effect of Instrument Transformer Accuracy Class on the WLS State Estimator Accuracy*, Proc. of the 2013 IEEE Power & Energy Society General Meeting, Vancouver, July 2013, pp.1-5, ISBN: 978-1-4799-1303-9, ISI Web of Science WOS:000331874302067
- Vis31.** Ana Maria Dumitrescu, **Mihaela Albu, 2013**, *An analysis of the harmonic controller robustness in LV active filters*, Proc. Of the 8th International Symposium on Advanced Topics in Electrical Engineering, May 23-25, 2013, Bucharest, Romania, pp.1-6, ISBN: 978-1-4673-5980-1; 978-1-4673-5979-5, ISI Web of Science WOS:000332928500170
- Vis32.** **Mihaela Albu**, Ana Maria Dumitrescu, **2014**, *Applicability of Synchronised Measurements in Modern Distribution Grids. A Discussion*, Proc. of the IEEE Applied Measurements for Power Systems Workshop AMPS2014, Aachen, 25-27 Sept. 2014, pp. 1-6, BDI IEEEExplore DOI: 10.1109/AMPS.2014.6947717 ISI Web of Science WOS:000348660600019
- Vis33.** **Mihaela Albu**, Aurelian Craciunescu, Ana Maria Dumitrescu, Valentin Boicea and Lucian Toma, **2014**, *Smart Grid topics in the UPB electrical engineering curricula*, Proc. of the 49th International Universities' Power Engineering Conference, UPEC'14, Cluj-Napoca, Romania, 3-5 Sept. 2014, pp. 1-6, BDI IEEEExplore DOI: 10.1109/UPEC.2014.6934601 , WOS:000364087800012
- Vis34.** Aurelian Craciunescu, **Mihaela Albu**, Gloria Stefania Ciumbulea and Cătălina Necula Dumitrica, **2014**, *A New Graphic Evaluator of the Voltage Unbalance in Power Networks*, Proc. of the I2MTC '14. IEEE Instrumentation and Measurement Technology Conference, Montevideo, Uruguay, 13-15 May 2014, pp. 1230-1234, BDI IEEEExplore DOI: 10.1109/I2MTC.2014.6860940 WOS:000346477200241
- Vis35.** **Mihaela Albu, 2014**, *Dual Data Aggregation for Power Quality Assessment*, Proc. of the I2MTC '14. IEEE Instrumentation and Measurement Technology Conference, Montevideo, Uruguay, 13-15 May 2014, pp. 620-624, BDI IEEEExplore DOI: 10.1109/I2MTC.2014.6860818 WOS:000346477200120
- Vis36.** **Mihaela Albu**, Ana Maria Dumitrescu and Roxana Popovici, **2014**, *Rate of Change of Frequency - a Power Quality Descriptor*, Proc. of IEEE 16th International Conference on Harmonics and Quality of Power (ICHQP 2014, Bucharest, Romania, pp. 312 – 316, May 2014, BDI IEEEExplore DOI: 10.1109/ICHQP.2014.6842900 WOS:000343776100065
- Vis37.** Ana-Maria Dumitrescu, **Mihaela Albu, 2015**, *Deriving Model Approximations in Emerging Distribution Grids*, Proc. of the ATEE 2015, the 9th International Symposium on Advanced Topics in Electrical Engineering, May 7-9, 2015, Bucharest, Romania, pp. 525-530, BDI IEEEExplore, DOI 10.1109/ATEE.2015.7133864, WOS:000368159800099
- Vis38.** Ana Ruxandra Toma, Ana-Maria Dumitrescu, **Mihaela Albu, 2015**, *Assessment of rapid voltage changes using PMU data*, Proc. of the IEEE Applied Measurements for Power Systems Workshop AMPS 2015, Aachen, Sept. 2015, pp. 126-131, BDI IEEEExplore, WOS: 00368159800099

Bis1. **Mihaela Albu**, Sergiu Cosmescu, G.T. Heydt, 2012, *Procedeu, produs program de operare si sistem de masurare cu sincronizare a marimilor electrice din retele electrice* (11) 127689 A2 (51) G01R 19/00 (2006.01); G01R 19/30 (2006.01); G06F 13/38 (2006.01); G06F 17/00 (2006.01); (21) a 2010 01288 (22) 08.12.2010 (41) 30.07.2012/ 7/2012 (71) Universitatea "Politehnica" din Bucuresti, Splaiul Independentei Nr. 313, Sector 6, Bucuresti, B, Ro (72), Ro-BOPI 7/2012, din 30.07.2012

A2.2. Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale [Rbdi –reviste de specialitate indexate BDI; Vbdi – volume proceedings indexate BDI]:

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