

## LIST of PUBLICATIONS

Mihaela Marilena ALBU

## Books/ chapters in books

- 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

## in Romanian:

- 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. Vlaicu, S. Grigorescu, M. Saracin, **2004**: *Bilanțuri electroenergetice. Măsurări electrice*, 106 pagini, Ed. PRINTECH, Bucuresti, 2004, ISBN 973-652-912-6.
- Cb6.** Ana Maria Dumitrescu, **Mihaela Albu**, **2019**, *Calitatea energiei electrice. Determinari cu rata mare de raportare*, 110 pagini, Editura MatrixRom, Bucuresti, 2019, ISBN 978-606-25-0517-2
- Cc1.** Carmen Golovanov, **Mihaela Albu**, coord., (9 authors) **2001**, Measurement issues in modern Power Systems (*Probleme moderne de măsurare în electroenergetică*, in Romanian), 800 pp, Editura Tehnică București, 2001, ISBN 973-31-2065-0

## A1.2.2. Laboratory notes (mostly in Romanian);

- 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**.

17. 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**.
18. 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**
19. 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**.
110. 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**.
111. 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**.
112. Constantin Vlaicu, **Mihaela Albu**, *Sisteme numerice de măsurare asistate de calculator. Îndrumar de laborator*, 84 pagini, Litografia UPB, **1999**
113. 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**.
114. 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**.
115. 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**.

#### A2.1. papers in journals and Conference Proceedings indexed by Clarivate

- 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, 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, WOS:000222429300080, **impact factor 1.733**
- Ris3. **Mihaela M. Albu**, K. E. Holbert, G.T. Heydt, S. D. Grigorescu, V. Trușcă, **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, 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, WOS:000226342800004, **impact factor 2.794**
- 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, 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, WOS:000268033000010, **impact factor 2.794**

- 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, WOS:000276416100014, **impact factor 2.794**
- 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, WOS:000336787700010, **impact factor 2.794**
- 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, WOS:000348885700003 **impact factor 1.749**
- Ris10. A. Nechifor, **Mihaela Albu**, R. Hair, V. Terzija, **2016**, *An enterprise platform for wide area monitoring of load dynamics using Synchronized Measurement Technology*, Elsevier, IFAC-PapersOnLine, Volume 49, Issue 27, 2016, Pages 85–90, WOS:000401257500015
- Ris11. **Mihaela Albu**, Mihai Sanduleac, Carmen Stanescu, **2016**, *Syncretic use of smart meters for Power Quality monitoring in emerging networks*, IEEE Transactions on Smart Grid, Volume: 8, Issue: 1, Pages: 485 - 492, DOI: 10.1109/TSG.2016.2598547, **impact factor 7.364**
- Ris12. Mihai Sanduleac, Irina Ciornei, **Mihaela Albu**, Lucian Toma, Marta Sturzeanu, Joao Martins, **2017**, *Resilient Prosumer Scenario in a Changing Regulatory Environment—The UniRCon Solution*, Energies 2017, 10(12), 1941; doi:10.3390/en10121941, **impact factor 2.676**
- Ris13. M. Sanduleac, João F. Martins, Irina Ciornei, **Mihaela Albu**, L. Toma, Vitor Fernão Pires, L. Hadjidemetriou and R. Sauba, **2018**, *Resilient and Immune by Design Microgrids Using Solid State Transformers*, Energies 2018, 11(12), 3377; DOI: 10.3390/en11123377, 2018, WOS:000455358300138, **impact factor 2.707**
- Ris14. Markos Asprou, Elias Kyriakides, **Mihaela M. Albu**, **2019**, *Uncertainty Bounds of Transmission Line Parameters Estimated From Synchronized Measurements*, IEEE Trans. on Instrumentation and Measurement, volume: 68, Issue: 8, Aug. 2019, ISSN 0018-9456, DOI: 10.1109/TIM.2018.2867966, **impact factor 3.067**, WOS:000476746200013
- Ris15. E. S. N. Raju P. ; Alexandru Nechifor; **Mihaela M. Albu**; James Yu; Vladimir Terzija, **2020**, *Development and Validation of a New Oscillatory Component Load Model for Real-time Estimation of Dynamic Load Model Parameters*, IEEE Transactions on Power Delivery, 2020, Volume: 35, Issue: 2, DOI: 10.1109/TPWRD.2019.2918059, **impact factor 4.415**
- Ris16. Radu Plamanescu; Ana-Maria Dumitrescu; **Mihaela Albu**; Siddharth Suryanarayanan, **2021**, *A Hybrid Hilbert-Huang Method for Monitoring Distorted Time-Varying Waveforms*, Energies 2021, 14(7), 1864; <https://doi.org/10.3390/en14071864> - 27 Mar 2021, **impact factor 2.7**.
- Ris17. M. Sanduleac, V. I. Ciornei, L. Toma, R. Plamanescu, A. -M. Dumitrescu and **M. Albu**, **2022**, "High reporting rate smart metering data for enhanced grid monitoring and services for energy communities," in IEEE Transactions on Industrial Informatics, doi: 10.1109/TII.2021.3095101, **impact factor 10.2**
- Ris18. N. Hatziaargyriou, M. Brucoli, J. Driesen, **M. Albu**, G. Mendes and R. Plamanescu, , **2024**, "The EnergyVille 2023 Symposium on Microgrids [Newsfeed]," in IEEE Electrification Magazine, vol. 12, no. 1, pp. 86-92, March 2024, doi: 10.1109/MELE.2023.3348336.
- Ris19. A. P. Brîncoveanu, R. Plămănescu, A. -M. Dumitrescu and **M. Albu**, **2024**, "Voltage variability assessment in power systems", RRST-EE, vol. 69, no. 2, pp. 171–176, Jul. 2024, doi: 10.59277/RRST-EE.2024.2.9, WOS:001265977200009.
- Ris20. A. P. Brîncoveanu, R. Plămănescu, A. -M. Dumitrescu and **M. Albu**, **2024**, "Variability assessment of net power profiles for prosumers with PV generation" U.P.B. Sci. Bull., Series C, Vol. 86, Iss. 4, 2024 ISSN 2286-3540

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- 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, 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, 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, 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, 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, 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, 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, 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, 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, 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; 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, 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, 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, WOS:000266702101067
- Vis14.** I. Mangeac, **Mihaela Albu**, **2008**, *The Signal Processing Course at the Department of Electrical Engineering of "Politehnica" University of Bucharest. A First Evaluation*, Proc. of Quality Management in Higher Education, pp. 131-136, WOS:000260248300023, ISBN:978-973-730-496-4
- Vis15.** **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, WOS:000276834600285

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- Vis17.** 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, WOS:000276834600226
- Vis18.** Marcel Stanciu, **Mihaela Albu**, Anotolie 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, WOS:000274280200026
- Vis19.** 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, WOS:000274329100020
- Vis20.** 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, WOS:000274329100018
- Vis21.** 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. WOS:000274329100021
- Vis22.** **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,
- Vis23.** **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, WOS:000277153600248
- Vis24.** **Mihaela Albu**, Ralf Neurohr, Dan Apetrei, Ioan Silvas, Dumitru Federenciuc, **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, WOS:000287611902166
- Vis25.** **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, WOS:000287997200283
- Vis26.** 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, WOS: 000286988200297
- Vis27.** 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, WOS:000291967300019
- Vis28.** 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, WOS:000309449100163

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- Vis30.** 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, WOS:000330569400025
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- Vis32.** 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, WOS:000332928500170
- Vis33.** **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 WOS:000348660600019
- Vis34.** **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
- Vis35.** 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
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- Vis37.** **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
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- DCNextEvE** a H2020 –MSCA (**2016-2018**) project (**Fellow dr. Irina Ciornei**) with the main purpose to design and analysis of novel methods for management and control of multiple building scale DC microgrids operating on a specific territory (region) and willing to share the same objective (coordinated distributed management). Host (UPB): dr. Mihaela Albu
- NobelGrid**, a H2020 project (**2014-2018**) with the aim to develop, deploy and evaluate advanced tools and ICT services for energy DSOs cooperatives and medium-size retailers, enabling active consumers involvement and flexibility of the market; 21 partners from industry, academia and utilities; UPB team leader: dr. Mihaela Albu
- REDESIGN ( ERASMUS+)**, **2016-2019**, an interdisciplinary project which aims is to bring together a group of experienced practitioners in diverse disciplines, such as electrical engineering, computer-assisted language learning, second language pedagogy, and ICT from different academic institutions and organizations across Europe to redesign parts of their courses to offer

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