

LISTA DE LUCRĂRI

LUCRĂRI RELEVANTE

- [1] I. Șerban, "A control strategy for microgrids: Seamless transfer based on a leading inverter with supercapacitor energystorage system", Applied Energy, vol. 221, July 2018, pp. 490-507. (revistă ISI, FI_{JCR2018}=8.4)
- [2] I. Șerban, C.P. Ion, "Microgrid Control Based on a Grid-Forming Inverter Operating as Virtual Synchronous Generator with Enhanced Dynamic Response Capability", International Journal of Electrical Power & Energy Systems, vol. 89, July 2017, pp. 94-105. (revistă ISI, FI_{JCR2018}=4.4)
- [3] I. Șerban, "Power Decoupling Method for Single-Phase H-Bridge Inverters With No Additional Power Electronics," IEEE Transactions on Industrial Electronics, vol. 62, no. 8, pp. 4805-4813, Aug. 2015. (revistă ISI, FI_{JCR2018}=7.5)
- [4] I. Șerban, C. Marinescu, "Control Strategy of Three-Phase Battery Energy Storage Systems for Frequency Support in Microgrids and with Uninterrupted Supply of Local Loads", IEEE Transactions on Power Electronics, vol. 29, no. 9, Sept. 2014, pp. 5010-5020. (revistă ISI, FI_{JCR2018}=7.2)
- [5] I. Șerban, C. Marinescu, "Battery energy storage system for frequency support in microgrids and with enhanced control features for uninterruptible supply of local loads", International Journal of Electrical Power & Energy Systems, vol. 54, Jan. 2014, pp. 432-441. (revistă ISI, FI_{JCR2018}=4.4)
- [6] I. Șerban, R. Teodorescu, C. Marinescu, "Energy Storage Systems Impact on the Short-Term Frequency Stability of Distributed Autonomous Microgrids, an Analysis Using Aggregate Models", IET Renewable Power Generation, vol 7, no. 5, Sept. 2013, pp. 531-539. – Paper awarded with the 2015 Premium for Best Paper in IET Renewable Power Generation . (revistă ISI, FI_{JCR2018}=3.6)
- [7] I. Șerban, C. Marinescu, "A sensorless control method for variable-speed small wind turbines", Renewable Energy, Elsevier, 2012, 43, pp. 256-266. (revistă ISI, FI_{JCR2018}=5.4)
- [8] I. Șerban, C. Marinescu, "Aggregate load-frequency control of a wind-hydro autonomous microgrid", Renewable Energy, Elsevier, 2011, 36, (12), pp. 3345-3354. (revistă ISI, FI_{JCR2018}=5.4)

TEZA DE DOCTORAT

- I. Șerban, „Contribuții la dezvoltarea sistemelor hibride cu surse de energii regenerabile”, Universitatea Transilvania din Brașov, 2008, coordonator prof.dr.ing. Corneliu Marinescu.

BREVETE

- [1] I. Șerban, C. Marinescu, „Dispozitiv de reglare cu sarcină de balast trifazată pentru generatoare autonome cu surse de energie regenerabile”, brevet OSIM RO-126355/30.01.2017.
- [2] I. Șerban, „Metodă de compensare a armonicilor de curent cu sarcină activă”, propunere brevet OSIM, cerere A/00881/27.10.2017.
- [3] I. Șerban, „Circuit și metodă de decuplare a puterii oscilante pentru invertoare monofazate”, propunere brevet OSIM, nr. RO130090/A0, cerere A/00611/11.08.2014.
- [4] I. Șerban, C. Marinescu, „Metodă de reglare fără senzori a turatiei și a puterii generatoarelor eoliene cu magneti permanenți de mică putere”, propunere brevet OSIM A/00417/11.06.2012.

CĂRȚI / CAPITOLE DE CĂRȚI

- [1] Ghe. Scutaru, I. Șerban, A. Negoita, „CAD for Electrical Systems. Scilab”, Editura Universității *Transilvania* din Brașov, 2012, ISBN:978-606-19-0108-1; 60 pagini.
- [2] C. Marinescu, I. Șerban, L. Clotea, D. Marinescu, C.P. Ion, M. Georgescu, L. Barote, A. Forcos, „Rețele Hibride cu Surse Regenerabile de Energie. Evolutii Moderne”, Editura Universității *Transilvania* din Brașov, 2011, ISBN: 978 - 973 - 598 - 949 - 1; 380 pagini.
- [3] C. Marinescu, M. Georgescu, L. Clotea, C.P. Ion, I. Șerban, L. Barote, D-M. Valcan, „Surse Regenerabile de Energie. Abordări Actuale”, Editura Universității *Transilvania* din Brașov, 2009, ISBN: 978-973-598-430-4; 380 pagini.
- [4] I. Șerban, „Microrețele Hibride cu Surse Regenerabile de Energie”, Editura Universității *Transilvania* din Brașov, 2008, ISBN: 978-973-598-430-4; 146 pagini.

ARTICOLE ÎN REVISTE

- [1] A. Marinescu, A. Taylor, S. Larke, I. Șerban, C. Marinescu, "Optimizing Residential Electric Vehicle Charging under Renewable Energy: Multi-Agent Learning in Software Simulation and Hardware-in-the-loop Evaluation", *International Journal of Energy Research*, vol. 43, no. 8, June 2019, pp.3853-3868. – *revistă ISI*, $F_{I_{CR2018}}=3.3$
- [2] C.P. Ion, I. Șerban, "Seamless Integration of an Autonomous Induction Generator System into an Inverter-Based Microgrid", *Energies*, vol. 12, no. 4, Feb. 2019, p. 638. – *revistă ISI*, $F_{I_{CR2018}}=2.7$
- [3] I. Șerban, "A control strategy for microgrids: Seamless transfer based on a leading inverter with supercapacitor energy storage system", *Applied Energy*, vol. 221, July 2018, pp. 490-507. – *revistă ISI*, $F_{I_{CR2018}}=8.4$
- [4] I. Șerban, "Active Load Control for dynamic frequency support and harmonic compensation in autonomous microgrids", *Journal of Energy Engineering*, vol. 144, no.2, Apr. 2018. – *revistă ISI*, $F_{I_{CR2018}}=1.1$
- [5] D. Munteanu, I. Șerban, L. Barote, C. Marinescu, "Dynamic performance analysis of a photovoltaic power plant with integrated storage for microgrids dynamic support", *Journal of Energy Engineering*, vol. 144, no. 1, Feb. 2018. – *revistă ISI*, $F_{I_{CR2018}}=1.1$
- [6] C. P. Ion, I. Șerban, „SEIG Based Microgrid with Supercapacitor Energy Storage to Support the Start-up of Dynamic Loads”, *Advances in Electrical and Computer Engineering* , vol. 18, no. 2, 2018. – *revistă ISI*, $F_{I_{CR2018}}=0.65$
- [7] I. Șerban, C.P. Ion, "Microgrid Control Based on a Grid-Forming Inverter Operating as Virtual Synchronous Generator with Enhanced Dynamic Response Capability", *International Journal of Electrical Power & Energy Systems*, vol. 89, July 2017, pp. 94-105. – *revistă ISI*, $F_{I_{CR2018}}=4.4$
- [8] I. Șerban, "Power Decoupling Method for Single-Phase H-Bridge Inverters With No Additional Power Electronics," *IEEE Transactions on Industrial Electronics*, vol. 62, no. 8, pp. 4805-4813, Aug. 2015. – *revistă ISI*, $F_{I_{CR2018}}=7.5$
- [9] I. Șerban, R. Teodorescu, C. Marinescu, "Energy Storage Systems Impact on the Short-Term Frequency Stability of Distributed Autonomous Microgrids, an Analysis Using Aggregate Models", *IET Renewable Power Generation*, vol 7, no. 5, Sept. 2013, pp. 531-539. – *revistă ISI*, $F_{I_{CR2018}}=3.6$
- [10] I. Șerban, C. Marinescu, "Control Strategy of Three-Phase Battery Energy Storage Systems for Frequency Support in Microgrids and with Uninterrupted Supply of Local Loads", *IEEE Transactions on Power Electronics*, vol. 29, no. 9, Sept. 2014, pp. 5010-5020. – *revistă ISI*, $F_{I_{CR2018}}=7.2$
- [11] I. Șerban, C. Marinescu, "Battery energy storage system for frequency support in microgrids and with enhanced control features for uninterruptible supply of local loads", *International Journal of Electrical Power & Energy Systems*, vol. 54, Jan. 2014, pp. 432-441. – *revistă ISI*, $F_{I_{CR2018}}=4.4$

- [12] I. Șerban, C. Marinescu, „Design and experimental investigations of a smart battery energy storage system for frequency control in microgrids”, Journal of Renewable and Sustainable Energy, vol.6, no.2, pp. 023130, March 2014. – *revistă ISI*, $FI_{JCR2018}=1.5$
- [13] I. Șerban, C. Marinescu, “A sensorless control method for variable-speed small wind turbines”, Renewable Energy, Elsevier, 2012, 43, pp. 256-266. – *revistă ISI*, $FI_{JCR2018}=5.4$
- [14] I. Șerban, C. Marinescu, “Aggregate load-frequency control of a wind-hydro autonomous microgrid”, Renewable Energy, Elsevier, 2011, 36, (12), pp. 3345-3354. – *revistă ISI*, $FI_{JCR2018}=5.4$
- [15] L. Barote, C. Marinescu, I. Șerban, “Energy Storage for a Stand-Alone Wind Energy Conversion System”, Revue Roumaine Des Sciences Techniques-Serie Electrotechnique Et Energetique, vol 55, no. 3, 2010, pp. 235-242. – *revistă ISI*, $FI_{JCR2018}=0.76$
- [16] I. Șerban, C. Marinescu, “Power quality issues in a stand-alone microgrid based on renewable energy”, Revue Roumaine Des Sciences Techniques-Serie Electrotechnique Et Energetique, vol 53, no. 3, 2008, pp. 285-293. – *revistă ISI*, $FI_{JCR2018}=0.76$
- [17] I. Șerban, „Small Wind Turbine Control with Frequency Support for Integration in Microgrids”, Bulletin of the Transilvania University of Brașov 6 (55), 2013, pp. 89-96. – *revista BDI*
- [18] I. Șerban, C. Marinescu, „Modeling of an Autonomous Microgrid for Frequency Stability Analysis”, Bulletin of the Transilvania University of Brasov, Vol. 2 (51) – 2009, Series I, pp. 331-340. – *revista BDI*
- [19] I. Șerban, C. Marinescu, „Integration of battery energy storage systems in smart electrical microgrids”, Buletinul Institutului Politehnic din Iasi – Sectia Electrotehnica, Energetica, Electronica, Tomul LVI (LX), Fasc. 4, 2010, pp.127-136. – *revista BDI*
- [20] C.P. Ion, I. Șerban, C. Marinescu, „A Single-Phase Dump Load for Stand-Alone Generating Units with Induction Generator”, Annals of the University of Craiova, Electrical Engineering series, vol. 30, 2006, pp. 233-236. – *revista BDI*

ARTICOLE PUBLICATE IN VOLUME ALE CONFERINȚELOR INTERNAȚIONALE

- [1] I. Șerban, C. Marinescu, “Flexible solution for grid-connected operation of microgrids, based on a leading inverter with supercapacitor energy storage,” 2018 IEEE International Energy Conference (ENERGYCON), Limassol, 2018, pp. 1-6.
- [2] I. Șerban, “Harmonic compensation with active loads designed for power quality improvement in microgrids,” 2018 International Conference on Development and Application Systems (DAS), Suceava, 2018, pp. 120-125.
- [3] A. Marinescu, I. Șerban, “A Smart Residential Microgrid Based on Renewable Energy Sources with Integrated Electric Vehicle Charging Station”, International Symposium on Fundamentals of Electrical Engineering 2018 (ISFEE), Bucharest, 2018.
- [4] I. Ducar, C. Marinescu, I. Șerban, “Modified MPPT control for small wind turbines to provide dynamic frequency support in islanded microgrids,” 2017 6th International Conference on Clean Electrical Power (ICCEP), Santa Margherita Ligure, 2017, pp. 298-303.
- [5] I. Șerban, C. P. Ion, “Control strategy aiming at increasing the dynamic response capability of autonomous microgrids,” 2017 IEEE 26th International Symposium on Industrial Electronics (ISIE), Edinburgh, 2017, pp. 663-669.
- [6] C. P. Ion, I. Șerban, “Improving the Stability of SEIG based microgrids during overloads by using supercapacitor-based storage and load-shedding,” 2017 IEEE International Conference on Environment and Electrical Engineering and 2017 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), Milan, 2017, pp. 1-6.
- [7] D. Munteanu, I. Șerban, C. Marinescu, “Improving the dynamic response of PV systems in microgrids by using supercapacitors,” 2017 International Conference on Optimization of Electrical and Electronic

- Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), Brasov, 2017, pp. 636-641.
- [8] I. Șerban, C. P. Ion, "A PHIL system designed for testing the dynamic response of microgrid units," 2017 IEEE International Conference on Environment and Electrical Engineering and 2017 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), Milan, 2017, pp. 1-6.
- [9] C. P. Ion, I. Șerban, "Improving the stability of SEIG based microgrids with predominance of dynamic loads by using supercapacitor-based storage," 2017 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), Brasov, 2017, pp. 648-653.
- [10] I. M. Ducar, I. Șerban, C. Marinescu, "A control method to provide dynamic support capability for small wind turbines connected in islanded microgrids," 2017 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), Brasov, 2017, pp. 543-548.
- [11] I. Șerban, C. P. Ion, "Supporting the dynamic frequency response in microgrids by means of active loads," IECON 2016 - 42nd Annual Conference of the IEEE Industrial Electronics Society, Florence, 2016, pp. 3781-3786.
- [12] C. P. Ion, I. Șerban, "Control of micro hydro based microgrid for dynamic transfer between islanded and grid-connected operation," IECON 2016 - 42nd Annual Conference of the IEEE Industrial Electronics Society, Florence, 2016, pp. 4054-4059.
- [13] D. Munteanu, C. Marinescu, I. Șerban, L. Barote, "Control of PV inverter with energy storage capacity to improve microgrid dynamic response," 2016 International Conference on Applied and Theoretical Electricity (ICATE), Craiova, 2016, pp. 1-5.
- [14] I. Șerban, C. Marinescu, D. Munteanu, "Performance analysis of a SiC-based single-phase H-bridge inverter with active power decoupling," 2016 18th European Conference on Power Electronics and Applications (EPE'16 ECCE Europe), Karlsruhe, 2016, pp. 1-10.
- [15] A. Busca-Forcus, C. Marinescu, C. Busca, I. Șerban, R. Teodorescu, "Induction motors most efficient operation points in pumped storage systems," 2015 Intl Aegean Conference on Electrical Machines & Power Electronics (ACEMP), 2015 Intl Conference on Optimization of Electrical & Electronic Equipment (OPTIM) & 2015 Intl Symposium on Advanced Electromechanical Motion Systems (ELECTROMOTION), Side, 2015, pp. 669-674.
- [16] I. Șerban, C. Marinescu, A. Busca-Forcus, "Single-phase voltage source converter with active power decoupling operating in both grid-connected and island modes," 2015 IEEE 6th International Symposium on Power Electronics for Distributed Generation Systems (PEDG), Aachen, 2015, pp. 1-6.
- [17] I. Șerban, "Frequency restoration in microgrids by means of distributed control with minimum communication requirements," 2014 IEEE 23rd International Symposium on Industrial Electronics (ISIE), Istanbul, 2014, pp. 2590-2595.
- [18] I. Șerban, "A novel transistor-less power decoupling solution for single-phase inverters", 39th Annual Conference of the IEEE Industrial Electronics Society (IECON 2013), 10-13 Nov. 2013, Vienna, Austria.
- [19] I. Șerban, C. Marinescu, "Frequency Control Issues in Microgrids with Renewable Energy Sources", 7th International Symposium on Advanced Topics in Electrical Engineering (ATEE), May 12-14, 2011, Bucharest, ROMANIA, pp. 229-234.
- [20] I. Șerban, C. Marinescu, "Sensorless control for small wind turbines with permanent magnet synchronous generator", 20th IEEE International Symposium on Industrial Electronics (ISIE), Jun 27-30, 2011, Gdansk, Poland, pp. 1482 - 1487.
- [21] I. Șerban, C. Marinescu, "Active power decoupling circuit for a single-phase battery energy storage system dedicated to autonomous microgrids", IEEE International Symposium on Industrial Electronics (ISIE 2010), Jul 04-07, 2010, Bari, Italy, pp. 2717-2722.

- [22]I. Șerban, C. Marinescu, „A Look at the Role and Main Topologies of Battery Energy Storage Systems for Integration in Autonomous Microgrids”, 12th International Conference on Optimization of Electrical and Electronic Equipment-OPTIM, May 20-21, 2010, Brasov, Romania, pp. 1186-1191.
- [23]I. Șerban, R. Teodorescu, J.M. Guerrero, C. Marinescu, „Modeling of an Autonomous Microgrid for Renewable Energy Sources Integration”, IECON: 2009 35th Annual Conference of IEEE Industrial Electronics, pp. 4311-4316.
- [24]C. Marinescu, I. Șerban, „Analysis of frequency stability in a residential autonomous microgrid based on a wind turbine and a Microhydro power plant”, IEEE Power Electronics and Machines in Wind Applications, PEMWA, 24-26 June 2009, pp. 72-76.
- [25]I. Șerban, C. Marinescu, „A Solution for Frequency Control in Islanded Three-Phase Micro-Grids Supplied by Renewable Energy Sources”, 11th International Conference on Optimization of Electrical and Electronic Equipment OPTIM'08, May 22-24, 2008, Brasov, Romania, pp. 327-332.
- [26]C.P. Ion, I. Șerban, C. Marinescu, „Single-Phase Operation of an Autonomous Three-Phase Induction Generator Using a VSI-DL Control System”, 11th International Conference on Optimization of Electrical and Electronic Equipment OPTIM'08, May 22-24, 2008, Brasov, Romania, pp.333-338.
- [27]I. Șerban, C.P. Ion, C. Marinescu, „Frequency Control and Unbalances Compensation in Stand-Alone Fixed-Speed Wind Turbine Systems”, The 34th Annual Conference of the IEEE Industrial Electronics Society – IECON'08, 10 – 13 Nov., 2008, Florida, USA, pp. 2167-2172.
- [28]I. Șerban, C. Marinescu, „A New Control Method for Power Quality Improvement in Island Microgrids”, 2008 IEEE International Symposium on Industrial Electronics – ISIE'08, 30 Jun-2 Jul, 2008, Cambridge, UK, pp. 2258-2263.
- [29]I. Șerban, C.P. Ion, C. Marinescu, M. Georgescu, „Frequency Control and Unbalances Compensation in Autonomous Micro-Grids Supplied by RES”, Proceedings of the IEEE International Electric Machines and Drives Conference, 3-5 May 2007, Antalya-Turkey, pp. 459-464.
- [30]C. P. Ion, I. Șerban, D. Marinescu, „Operation of an Induction Generator Controlled by a VSI Circuit”, Proceedings of the IEEE Symposium on Industrial Electronics (ISIE), 4-7 June 2007, Vigo, Spain, pp. 2661-2666.
- [31]I. Șerban, C. Marinescu, „Hybrid Power System based on Micro-Hydro and Wind Turbine Generation”, Proceedings of the 10th International Conference on Optimization of Electrical and Electronic Equipments-OPTIM'06, vol. 2, Brasov, Romania, 18-19 May, 2006, pp. 267-274.
- [32]C. Marinescu, C. Ion, I. Șerban, Luminta Clotea, Daniela Marinescu, „Controlling a stand-alone Power System, International Symposium on Power Electronics”, Electrical Drives, Automation and Motion – SPEEDAM 2006, CD Proceedings, 23-26 May 2006, Taormina – Italy, pp. S17-34 – S17-39.
- [33]I. Șerban, C. Ion, C. Marinescu, M. N. Cirstea, „Electronic Load Controller for Stand-Alone Generating Units with Renewable Energy Sources”, Proceedings of the 32nd annual conference of the IEEE Industrial Electronics Society – IECON 06, Paris, France, 6-10 Nov. 2006, pp. 4309-4312.
- [34]C. Marinescu, L. Clotea, M.Carstea, I. Șerban, C. P. Ion, „Controlling Variable Load Stand-Alone Hydro-generators”, Proceedings of the Annual Conference of the IEEE Industrial Electronics Society, Raleigh – IECON05, North Carolina, USA, 6-10 November 2005, pp. 2554-2559.
- [35]C. Marinescu, I. Șerban, „About the Main Frequency Control Issues in Microgrids with Renewable Energy Sources”, 2013 International Conference on Clean Electrical Power (ICCEP), 11-13 June 2013, Alghero, Italy, pp. 145-150.
- [36]I. Șerban, C. Marinescu, „An enhanced three-phase battery energy storage system for frequency control in microgrids”, 13th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), 24-26 May 2012, Brasov, Romania, pp. 912 – 918.
- [37]I. Șerban, R. Teodorescu, C. Marinescu, „Analysis and optimization of the battery energy storage systems for frequency control in autonomous microgrids, by means of hardware-in-the-loop simulations”, 3rd IEEE

- International Symposium on Power Electronics for Distributed Generation Systems (PEDG), 25-28 June 2012, Aalborg, Denmark, pp. 374 – 379.
- [38]I. Șerban, C. Marinescu, C.P. Ion, „A voltage-independent active load for frequency control in microgrids with renewable energy sources”, 10th International Conference on Environment and Electrical Engineering (EEEIC), 8-11 May 2011, pp. 1-4.
- [39]I. Șerban, C. Marinescu, „A reduced model of permanent magnet synchronous generators for wind energy conversion systems”, IEEE International Conference on Computer as a Tool (EUROCON), 27-29 April 2011, Lisbon, Portugal, pp. 1-4.
- [40]C. Marinescu, I. Șerban, „Robust Frequency Control for a Wind/Hydro Autonomous Microgrid”, IEEE PowerTech, 19-23 June 2011, Trondheim, pp. 1-6.
- [41]I. Șerban, C. Marinescu, „Unbalance Compensation in Stand-Alone Microgrids, 6th International Conference on Electromechanical and Power Systems”, October 4-6, 2007, Chisinau, Rep. Moldova, pp. 223-228.
- [42]L. Barote, I. Șerban, C. Marinescu, „Performance Comparison of LAB-VRB-PEMFC for a Wind Stand-Alone System”, Proceedings of the 6th International Conference on Electromechanical and Power Systems SIELMEN 2007, pp. 328-333, vol. 1, ISSN: 1842-4805, 4-6 Oct. 2007, Chisinau, Rep. Moldova.
- [43]L. Barote, I. Șerban, C.P. Ion, C. Marinescu, M. Georgescu, „Two Generators Micro-Grid Based on RES”, Annals of the University of Craiova, Electrical Engineering series, vol. 30, 2006, pp. 250-253.
- [44]I. Șerban, C. Marinescu, „Power Electronics Converters for Integration of Battery Energy Storage Systems in Autonomous Microgrids”, Proceedings of the 7th International Conference of Electromechanical and Power Systems – SIELMEN, Oct. 2009, vol. 2, pp. 69-73.
- [45]I. Șerban, C. Marinescu, „An optimal solution for the power management of a hybrid power system with renewable energy sources”, Proceedings of the 5th International Conference on Electrical and Power Engineering – EPE 2008, 3-5 oct. 2008, Iasi, Romania.
- [46]I. Șerban, C. Marinescu, „Adaptive Frequency Controller for Islanded Microgrids”, Proceedings of the 2nd International Conference on Electrical Engineering (CEE), 26-28 Nov. 2007 Coimbra – Portugal, paper no. 1W150607122819.
- [47]I. Șerban, C. Marinescu, M. Georgescu, „Frequency Regulation in Autonomous Hybrid Power System”, Proceedings of the 4-th International Conference on Electrical and Power Engineering – EPE 2006, CD Proceedings, ISSN: 1223-8139, 12-14 oct. 2006, Iasi, Romania.
- [48]I. Șerban, C. Ion, C. Marinescu, Luminita Clotea, M.Carstea, „Paralleling Synchronous Generator and Induction Generator in Island Grids”, Proceedings of the International Conference on Power electronics and Intelligent Control for energy Conservation, CD Proceedings, Warsaw, Poland, 16-19 October 2005.
- [49]I. Șerban, C. Marinescu, „Controlling a Stand-alone Synchronous Hydro-generator”, Proceedings of the 5th International Conference on Electromechanical and Power Systems - SIELMEN 2005, pp. 699-702, vol. 2, ISBN: 973-716-208-0, October 6-8, 2005 Chisinau, Rep. Moldova.
- [50]I. Șerban, C. Marinescu, Luminita Clotea, „Paralleling Synchronous Generator and Induction Generator in Island Grids”, Conference on Sustainable Energy, CD Proceedings, ISBN: 973-635 539-X, 5-7 July 2005, Brasov, Romania.