

## Lista de lucrări

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### Lista de lucrari publicate in domeniul tezei

A. *Lucrări științifice publicate sub formă de capitole de carte indexată ISI:*

1. **C. Koch-Ciobotaru**, "Model Predictive Control for inside temperature of an energy efficient building, " in Janusz Kacprzyk, Eds., *Advances in Intelligent and Soft Computing*, Springer Press, pp.197 – 208, Proceedings of 5<sup>th</sup> International Workshop on soft computing applications, Szeged, Ungaria

B. *Volumele unor manifestari stiintifice internationale indexate ISI:*

1. **C. Koch-Ciobotaru**, R. Boraci, O. Prostean, C. Vasar, "Managing the Energy Distribution of an Energy Conversion System in a Standalone Application, "7<sup>th</sup> International Conference on the Management of Technological Changes, pp. 393-396, 1-3 September 2011, Alexandroupoli, Greece.
2. **C. Koch-Ciobotaru**, Fridrik Rafn Isleifsson, Oliver Gehrke, "Optimizing Operation Costs of the Heating System of a Household using Model Predictive Control Considering a Local PV Installation, " *2nd International Conference on Simulation and Modeling Methodologies, Technologies and Applications, SIMULTECH*, pp. 431-436, Iulie 28–31, 2012, Roma, Italia.
3. L. Mihet-Popa, **C. Koch-Ciobotaru**, F. Isleifsson, H. Bindner, "Development of Tools for Simulation Systems in a Distribution Network and Validated by Measurements, " *13th International Conference on Optimization Of Electrical And Electronic Equipment, OPTIM*, pp. 1022-1031, May 24-26, 2012, Brasov, Romania.

C. *Volumele unor manifestari stiintifice internationale indexate in baze de date international (BDI):*

1. N. Budisan, N. Muntean, R. Boraci, O. Cornea, **C. Koch-Ciobotaru**, D. Petrila, "Electronic Conversion System and Speed-Control Strategy for Small Wind Generators, " *Proc. IEEE International Joint Conferences on Computational Cybernetics and Technical Informatics, ICC-CONTI 2010*, Mai 2010, pp. 455-458, Timișoara, România.
2. L. Mihet-Popa, **C. Koch-Ciobotaru**, F. Isleifsson and H. Bindner, "Development of Tools for DER Components in a Distribution Network," 20<sup>th</sup> International Conference on Electrical Machines, ICEM 2012, Septembrie 2012, Marsilia, Franta
3. **C. Koch-Ciobotaru**, L. Mihet-Popa, F. Isleifsson, H. Bindner, "Simulation Model developed for a Small-Scale PV System in Distribution Networks, " *7th IEEE International Symposium on Applied Computational Intelligence and Informatics, SACI*, pp. 341-346, May 24–26, 2012, Timișoara, Romania.
4. **C Koch Ciobotaru**, R Boraci, I Filip, C Vasar, G Prostean, "Control Strategy for a Variable-Speed Wind Turbine Using DC Bus Measurements, " *8th International Symposium on Intelligent Systems and Informatics, SISO 2010*, pp. 329, Subotica, Serbia, Septembrie 2010.

### Lista de lucrari publicate in domeniile conexe tezei

A. *Lucrări științifice publicate sub formă de capitole de carte*

1. R. Boraci, O. Prostean, N. Budisan, **C. Koch-Ciobotaru**, "Pragmatic Method to Obtain Optimal Control Laws for Small Windgenerators" in R.-E. Precup, S. Kovács, S. Preitl, and E.M. Petriu, Eds., *Applied Computational Intelligence in Engineering and Information Technology Topics in Intelligent Engineering and Informatics*, Volume 1, pp 239-248, Springer Press, 2012.

*B. Volumele unor manifestari stiintifice internationale indexate in baze de date international (BDI)*

1. N. Budisan, R. Boraci, **C. Koch-Ciobotaru**, G. Prostean, C. Musca, "On Permanent-Magnet Synchronous Generator Current Harmonics, due to Rectifier at the Generator End of the Variable Speed Generator Sets Converter Systems," in *Proc. IEEE International Joint Conferences on Computational Cybernetics and Technical Informatics, ICC-CONTI 2010*, Mai 2010, pp. 471-474, Timișoara, România.
2. M. Babescu, R. Boraci, C.H. Chioreanu, **C. Koch-Ciobotaru**, O. Gana, " On Functioning of the Electric Wind System at its Maximum Power," in *Proc. IEEE International Joint Conferences on Computational Cybernetics and Technical Informatics, ICC-CONTI 2010*, Mai 2010, pp. 475-480, Timișoara, România.
3. M. Babescu, R. Boraci, O. Gana, **C. Koch-Ciobotaru**, "The Control of the Diesel-Synchronous Generator Electro-Energetic System," in *Proc. IEEE International Joint Conferences on Computational Cybernetics and Technical Informatics, ICC-CONTI 2010*, Mai 2010, pp. 581-584, Timișoara, România.
4. **C. Koch-Ciobotaru**, R. Boraci, O. Prostean, N. Budisan, "Optimal Control for a Variable-Speed Wind Turbine," *6th IEEE International Symposium on Applied Computational Intelligence and Informatics, SACI*, pp. 541-544, May 19-21, 2011, Timișoara, Romania.
5. **C. Koch-Ciobotaru**, Boraci R., Budisan N., Robu A, "A New Configuration Structure of Induction and Synchronous Generators' Stator Windings," *9th IEEE International Symposium on Applied Machine Intelligence and Informatics, SAMI*, pp. 323-328, Jan. 2011, Smolenice, Slovakia.
6. **C. Koch-Ciobotaru**, Radu Boraci, Ioan Filip, Cristian Vasar, "Study of brake transient regimes for a small wind Generator," *3rd IEEE International Symposium on Exploitation of Renewable Energy Sources*, pp. 85-89, EXPRES, Martie 11-12, 2011, Subotica, Serbia.
7. R. Boraci, **C. Koch-Ciobotaru**, O. Prostean, N. Budisan, "Experimental Determination of an Optimal Control Law of a Small Windgenerator," *6th IEEE International Symposium on Applied Computational Intelligence and Informatics, SACI*, pp. 545-548, May 19-21, 2011, Timișoara, Romania.
8. **C. Koch-Ciobotaru**, I.Szeidert, I. Filip and C. Vasar, "Issues above Asynchronous Generator's Excitation in Wind Aggregates," *7th IEEE International Symposium on Applied Computational Intelligence and Informatics, SACI*, pp. 337-340, May 24-26, 2012, Timișoara, Romania.

*C. Volumele unor manifestari stiintifice internationale:*

1. **C. Koch-Ciobotaru**, "Data Acquisition System for a Vertical Axis Wind Turbine Prototype," *6th WSEAS International Conference on Energy, Environment, Ecosystems& Sustainable Development, EEESD*, pp. 422-428, October 21-23, 2010, Timisoara, Romania.
2. N. Budisan, O. Prostean, R. Boraci, **C. Koch-Ciobotaru**, "Single-Phase Two Stator Windings Induction and Permanent Magnet Synchronous Generators," *6th WSEAS International Conference on Energy, Enviroment, Ecosystems& Sustaineble Development, EEESD*, 2010, pp. 433-438, Timisoara, Romania.