



LISTA LUCRĂRILOR PUBLICATE

I. Teza de doctorat.

1. **Viorel Alina Cristina** – *Studiul mașinii electrice cu câmp transversal cu aplicații în microcentrale eoliene* – Universitatea Tehnică Cluj Napoca, Catedra de Mașini Electrice, 194 pagini, Septembrie 2009. (Conducător științific Prof.dr.ing. Ioan-Adrian Viorel).

II. Articole publicate în străinătate.

1. Viorel I.A, Forrai A., Hedeșiu H.C., Viorel Alina - *On the Simulink Usefulness in Modelling of Electric Machines Dynamic Behavior*, NORDIC MATLAB CONFERENCE'95, City of Conference Center, Stockholm, Suedia, 1995.
2. Oprean C., Kifor C.V., Viorel Alina - *Implementing Quality System In Electrical Energy Distribution*, International Science and Engineering Conference ,MACHINE –BUILDING AND TECHNOSPHERE OF THE XXI CENTURY, ISBN 966-7907-01-5 Sevastopol, Ucraina, septembrie, 2001, pp. 191-196.
3. Oprean C., Kifor C.V, Viorel Alina - *Applying Quality Function Development For Evaluation Of Student Satisfaction. Case Study: The Lucian Blaga University*, International Science and Engineering Conference, MACHINE –BUILDING AND TECHNOSPHERE OF THE XXI CENTURY, ISBN 966-7907-01-5 Sevastopol, Ucraina, septembrie, 2001, pp. 184-191.
4. Panu M., Viorel Alina - *A Four Wheel Drive Hybrid Electric Car Configuration*, The 10th International Conference "EPE - PEMC, 2002", ISBN 953-184-046-6, Dubrovnik, Croatia, 2002, pp. 475-479.
5. Viorel Alina, Panu M., Stancu C.- *Electric Vehicles, A Viable Solution For Environmental Problems*, 5th International Conference on Electromechanical and power systems, October 6-8, 2005, Editura PIM, ISBN GEN: 973-716-208-0, Chișinău, Rep. Moldova, 2005, pp.986-989.
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7. Viorel Alina, Panu M. - *A Scaling Procedure Based Designed Method For A Transverse Flux Motor*, 13th International Conference on Electrical Drives and Power Electronics, 2nd Joint Croatia-Slovakia Conference, EDPE 2005, September 26-28, 2005, ISBN 953-6037-42-4, CD-ROM, Dubrovnik, Croatia, 2005, pp. 65-69.
8. Viorel I.A., Kang D.H., Chang J.H., Viorel Alina, Strete Larisa - *Limits And Advantages Of Scaling As A Fast Procedure For Designing Transverse Flux Motor*, Proc.of ICEM'06, Chamaia, 2006, CD-ROM, Chamaia Grecia, 2006.
9. Bogdan M., Panu M., Viorel Alina - *Teaching Data Acquisition On A Virtual Laboratory*, The 4th Balkan Region Conference on Engineering Education (Conferința ISI Thomson),The 3rd International Conference on Manufacturing Science and Education, MSE 2007 Publicată în Academic Journal of



- Manufacturing Engineering, numărul 2/2007, Editura Politehnica, ISSN 1843-6730, 12-14 Iulie, Sibiu, 2007, ISSN 1843-2522, 12-14 July, Sibiu, 2007, ISSN: 1583-7904, Timisoara, 2007.
10. Strete Larisa, Viorel I.A, Viorel Alina - *On The Designing Procedure Of A Permanent Magnet Transverse Flux Generator (PMTFG) With Specific Topology*, 11th International Conference on Optimization of Electrical and Electronic Equipment Optim'08, May 22-24, 2008, ISBN: 978-1-4244-1544-1, Braşov, România, vol.2-A, 2008, pp.99-104.
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 13. Viorel Alina Cristina, Viorel, I.-A., Larisa Strete – *On the Calculation of the Carter Factor in the Slotted Electric Machines* – EPE 2014, 8th Edition, 2014 International Conference and Exposition on Electrical and Power Engineering, IEEE Romanian Section, ISBN: 978-1-4799-5848-1, IEEE Catalog Number: CFP1447S-USB, 2014.
 14. Panu, M. Gh., Viorel Alina Cristina – *Testing the performance of a single-phase autotransformer on MATLAB/SIMULINK*, The 7th International Conference on Manufacturing Science and Education, June 3-6, 2015, Sibiu, www.degruyter.com, ACTA Universitatis Cibiniensis. Volume 66, Issue 1, Pages 131–136, ISSN (Online) 1583-7149, DOI:[10.1515/aucts-2015-0041](https://doi.org/10.1515/aucts-2015-0041), September 2015.
 15. Viorel Alina Cristina, Viorel, I.-A., - *A Discussion on Variants of Stand-Alone Electric Powerplant Equipped with Transverse Flux Generators*, 13th International Conference on Engineering of Modern Electric Systems (EMES), June 11-12, 2015, Oradea, Print ISBN 978-1-4799-7649-2, DOI: [10.1109/EMES.2015.7158390](https://doi.org/10.1109/EMES.2015.7158390), INSPEC Accession Number: 15305017, 2015.
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1. Viorel I.A., Hedeşiu H.C., Viorel Alina, Laslo H.- *Utilizarea limbajului grafic LabVIEW la modelarea regimului dinamic al maşinilor electrice*, Iaşi, Tomul XLI (XLV), Fasc. 5, Secţia III, 1995, Buletinul Institutului Politehnic din Iaşi, 1995, pp. 27-35.
2. Viorel Alina - *Electric Machines Dynamic Behavior Modeling by using SIMULINK graphical Language*, Acta Universitatis Cibiniensis/Vol. XXXII Technical Series, 1999, Editura Universităţii “Lucian Blaga” Sibiu, ISSN 1221-493, pp.131-134.



3. Viorel Alina, Panu M. - *On the Motor Run-Up Process and its Computer Modeling*, SINTES 10, Xth Edition, International Symposium on System Theory, Craiova, ISBN 973-98836-6-4, 2000, pp.A-96.
4. Panu M., Viorel Alina - *Induction Motor, promising challenge for the electric car drive system*, Analele Facultății de inginerie din Hunedoara, Vol.II, Hunedoara, ISSN-1454-6531, 2000, pp. 107-112.
5. Bogdan M., Viorel Alina - *Utilizarea transformatei “Wavelet” pentru analiza golurilor de tensiune*, Sesiunea de comunicări Științifice, Secțiunea nr. 8, Universitatea “Petru Maior”, Târgu Mureș, 2000.
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11. Panu M., Viorel Alina, Bogdan M. - *The Required Sampling Rate Of The Data Acquisition And Conversion*, A 3-a sesiune de comunicări științifice cu participare internațională, Hunedoara 2001, “Analele facultății de inginerie din Hunedoara”- Vol. III, ISSN 1454-6531, Hunedoara, 2001, pp.108-111.
12. Panu M., Viorel Alina - *A Possible Layout Of A Serial Hybrid Electric Car Power Train*, Advances in electrical and computer engineering – vol.1 (8), no. 1 (15), ISSN 1582-7445, Suceava, 2001, pp. 11/14.
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17. Panu M., Stancu C., Viorel Alina - *Autoturismul electric, o soluție posibilă pentru reducerea poluării*, Seminarul Științific Național „Electrotehnologii și Mediul Ambient”, 5-6 noiembrie, 2004, Sibiu, 2004, CD-ROM.
18. Viorel Alina, Viorel I.A. – *Stand Alone Wind Mill with Transverse Flux Generator and Battery Tampon Storage*, Conferința Națională de Acțiunări Electrice, CNAE 2010, Annals of the University of Craiova,



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