

## List of Publications

### PhD Thesis

1. TEHNICI DE INTELIGENȚĂ ARTIFICIALĂ ÎN STUDIILE DE PROGNOZĂ DIN DOMENIUL INGINERIEI ENERGETICE, Universitatea "Politehnica" Timișoara, Conducător științific: prof.univ.dr.ing. Kilyeni Ștefan

### Books

#### a) CNCS

1. **V. Chiș**, *Tehnologii web*, Editura Universității „Aurel Vlaicu” Arad, 2009
2. **V. Chiș**, *Microsoft Excel. Teste și aplicații*, Editura Universității „Aurel Vlaicu” Arad, 2007
3. **V. Chiș**, *Bazele biroticiei și informatică*, Editura Universității „Aurel Vlaicu” Arad, 2006
4. **V. Chiș**, *Informatică aplicată*, Editura Mirton, Timișoara, 2006
5. **V. Chiș**, *Microsoft Excel. Note de curs și aplicații*, Ediția a II revizuită și adăugită, Editura Mirton, Timișoara, 2005
6. **V. Chiș**, *Introducere în informatică*, Editura Mirton, Timișoara, 2004
7. **V. Chiș**, *Microsoft Excel. Note de curs*, Editura Mirton, Timișoara, 2004
8. C. Băla, **V. Chiș**, *Windows XP și Internet*, Editura Mirton, Timișoara, 2002

## A) Published scientific papers

### I. Scientific papers published in ISI journals

1. **V. Chiș**, C. Barbulescu, S. Kilyeni, Simona Dzitac, *NN based Short-Term Load Curve Forecasting*, International Journal of Computers Communications & Control vol 13, No 6, 2018, pp. 938-955
2. D. Bucerzan, M. Crăciun, **V. Chiș**, C. Rațiu, *Stream Ciphers Analysis Methods*, International Journal of Computers Communications & Control, vol 5(4): pp. 483-489, 2010, 1841-9836
3. C.I. Brumar, R.D. Fabian, M.J. Manolescu, **V. Chiș**, *Memetic Engineering for Permanent Education in Line with Sustainable Growth*, International Journal of Computers Communications & Control vol. 7 Issue: 5, 2012, pp. 807-815

### II. ISI Proceedings

1. **V. Chiș**, C. Barbulescu, S. Kilyeni, S. Dzitac, *Short-term load forecasting software tool*, 2018 7th International Conference on Computers Communications and Control (ICCCC), DOI: 10.1109/ICCCC.2018.8390446
2. **Chiș V.**, Velicescu C., *Modeling Transmission Lines Energization with PSCAD/EMTDC*, Proceedings of the 6th IEEE International Symposium on Applied Computational Intelligence and Informatics SACI, Timișoara, Romania, 2011, pp. 155-158

### III. Scientific papers published in journals listed in international databases BDI and journals listed CNCSIS with B + category

1. V. Chiş, C. Băla, M.D. Crăciun, *Simulation of lightning overvoltages with ATP-EMTP and PSCAD/EMTDC*, Proceedings of the International Conference on Theory and Applications in Mathematics and Informatics, ICTAMI 2011 Alba-Iulia, Editura: Aeternitas Publishing House, Alba Iulia 2011, pp. 453-460
2. M.D. Crăciun, V. Chiş, C. Băla, *Methods for discretizing continuous variables within the framework of bayesian networks*, Proceedings of the International Conference on Theory and Applications in Mathematics and Informatics, ICTAMI 2011 Alba-Iulia, Editura Aeternitas Publishing House, Alba Iulia, 2011, pp. 433-443
3. C. Băla, V. Chiş, M.D. Crăciun, *The use of databases in the assessment of power transformers*, Proceedings of the International Conference on Theory and Applications in Mathematics and Informatics, ICTAMI 2011 Alba-Iulia, Editura: Aeternitas Publishing House, Alba Iulia 2011, pp. 445-452
4. C. Băla, V. Chiş, M.D. Crăciun, *Considerations on the management of preventive maintenance to electrical transformers*, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Volume X (XX), 2011, nr. 1, pp. 5 -8
5. V. Chiş, *Modeling transformers in Matlab-Simulink*, Annals of the Oradea University, Volume VIII (XVIII), 2009, pp. 161-167
6. V. Chiş, *Electrical thermography for predictive maintenance*, Annals of the Oradea University, Volume VIII (XVIII), 2009, pp. 168-173
7. Bărbulescu C., Kilyeni St., Deacu A., V. Chiş, *Enhanced ANN approach for load curve forecast*, IRACST – Engineering Science and Technology: An International Journal (ESTIJ), vol. 5, nr. 4, 2015, pp. 279-284, ISSN: 2250-3498

### F. Scientific papers published in the proceedings of international conferences

1. V. Chiş, M. Crăciun, C. Băla, *Comparison of two program packages for switching overvoltages simulation*, Proceedings of International Conference on Innovative Technologies, IN-TECH 2011 Bratislava, pp. 207-210
2. V. Chiş, *A graphical user interface for plotting data*, Bulletins for Applied & Computer Mathematics, BAM-CXII/2008, Nr 2366, Technical University of Budapest, Zentralblatt MATH, 2008, pp. 135-141
3. V. Chiş, *Simulating transients with SimPowerSystems*, Proceedings of The 7-th International Power Systems Conference, Timișoara, 2007, pp. 167-171
4. V. Chiş, Gh. Vuc, *Arc modeling using SimPowerSystems*, Proceedings of the 7-th International Power Systems Conference, Timișoara 2007, pp. 177-182
5. V. Chiş, C. Velicescu, *Modeling and simulation of metal oxide surge arrester*, Proceedings of the 7-th International Power Systems Conference, Timișoara, 2007, pp. 171-177
6. V. Chiş, *Modeling overvoltages in ATP*, International Symposium Research and Education in Innovation Era, 2nd Edition, „Aurel Vlaicu” University of Arad, 2008, pp. 168-173
7. V. Chiş, *Simulation of metal oxide surge arrester in SimPowerSystems*, International Symposium Research and Education in Innovation Era, 2nd Edition „Aurel Vlaicu” University of Arad, 2008, pp. 163-167
8. V. Chiş, *Simulink and ATP-EMTP, two software packages for time Domain Power System Transient Studies*, Proceedings of the International Symposium „Research and Education in an Innovation Era” - Section Mathematics and Computer Science, Arad, 2006, Editura Mirton, Timișoara, pp. 157-163

9. **V. Chiș**, *Arc Models in SIMULINK*, Proceedings of the International Symposium „Research and Education in an Innovation Era” - Section Mathematics and Computer Science, Arad, Editura Mirton, Timișoara, 2006, pp. 164-172
10. **V. Chiș**, C. Băla, M. Crăciun, *Using PSCAD to find the maximum overvoltage on a bus for different fault types applied at different times*, International Symposium Research and Education in Innovation Era, 4th Edition, Arad, 2012, pp. 75-83
11. **V. Chiș**, C. Băla, *Modeling transients in power system with Modelica*, International Symposium Research and Education in Innovation Era, 3rd Edition „Aurel Vlaicu” University of Arad, 2010, pp. 26-30
12. **V. Chiș**, C. Băla, *Simulation of switching overvoltages with PSCAD/EMTDC and ATP/EMTP*, International Symposium Research and Education in Innovation Era, 3rd Edition „Aurel Vlaicu” University of Arad, 2010, pp. 84-88
13. M. Crăciun, D. Bucerzan, C. Rațiu, **V. Chiș**, *Statistical Methods and Concepts of Probability used in Bayesian Networks*, International Symposium Research and Education in Innovation Era, 4th Edition, Arad, 2012, pp. 47-57
14. **V. Chiș**, A. Deacu, *Fuzzy logic applications in power systems*, International Symposium Research and Education in Innovation Era, 5th Edition, Arad, 2014, pp. 21-27
15. **V. Chiș**, M. Crăciun, *Artificial intelligence techniques in power systems*, International Symposium Research and Education in Innovation Era, 6th Edition, Arad, 2016, pp. 110-114.
16. M. Crăciun, **V. Chiș**, Comparative statistical analysis of valuation for tax purposes, International Symposium Research and Education in Innovation Era, 6th Edition, Arad, 2016, pp. 115-122.
17. **V. Chiș**, M. D. Craciun, T. B. Gavrilă, *PSCAD/EMTDC Simulation of Custom Power Systems*, International Symposium Research and Education in Innovation Era, 7th Edition, Arad, 2018, pp. 61-66
18. Craciun Mihaela, Chis Violeta, Craciun Alexandru, *Approaching Bayesian Networks with BayesiaLab*, , International Symposium Research and Education in Innovation Era, 7th Edition, Arad, 2018, pp. 67-75
19. C. Barbulescu, S. Kilyeni, **V. Chis**, M. Craciun and A. Simo, *Daily Load Curve Forecasting. Comparative Analysis: Conventional vs. Unconventional Methods*, 8 th International Workshop on Soft Computing Applications, September 2018 – Hotel Continental Arad – Romania

## F. Other scientific papers

1. C. Băla, **V. V. Chiș**, *Considerations on the condition assessment of power transformers and autotransformers*, International Symposium Research and Education in Innovation Era, 3rd Edition, „Aurel Vlaicu” University of Arad, 2010
2. C. Băla, **V. Chiș**, *Considerations on the prudent management of transformers*, International Symposium Research and Education in Innovation Era, 3rd Edition, „Aurel Vlaicu” University of Arad, 2010
3. C. Băla, **V. Chiș**, *Use of solar panels in the context of climate change*, International Symposium Research and Education in Innovation Era, 4th Edition, Arad, 2012
4. **Chiș**, *Analiza supratensiunilor atmosferice în cazul LEA cu ajutorul EMTP*, Analele Universității „Aurel Vlaicu” Arad, seria Matematică-Informatică, 2004, pp. 93-98

Date: 01.10.2019

