

LISTĂ DE CĂRȚI, ARTICOLE ȘTIINȚIFICE, PROIECTE ȘI CONTRACTE DE CERCETARE

realizate de prof.dr.ing. Gheorghe Hazi

I. Cărți de specialitate și îndrumare publicate cu ISBN.....	20
II. Articole științifice total	195
din care :	
II.1. Articole publicate în reviste și volume ale conferințelor indexate Thomson Reuters.....	11
II.2. Articole publicate în reviste și volume ale conferințelor indexate în BDI.....	84
II.3. Articole publicate în reviste și volume ale conferințelor internaționale neindexate în BDI.....	55
II.4. Articole publicate în volume ale conferințelor naționale neindexate în BDI.....	45
III. Proiecte câștigate prin competiție și contracte de cercetare științifică, total.....	16
din care :	
- în calitate de director de proiect.....	9
- membru în echipa de cercetare.....	7
IV. Lucrări realizate ca proiectant.....	7
V. Programe de calcul de specialitate elaborate.....	9
VI. Lucrări evaluate în cadrul proiectului Sprijin financiar acordat pentru proiectele de investiții în valorificarea resurselor regenerabile de energie pentru producerea energiei verzi în cadrul Axei 4 a Programului Operațional Sectorial Creșterea Competitivității Economice 2007-013.....	18

Teza de doctorat

"CONSIDERAREA CARACTERISTICILOR STATISTICO-PROBABILISTICE ÎN OPTIMIZAREA REGIMURILOR SISTEMELOR ELECTROENERGETICE", Universitatea Tehnică "Gh. Asachi" Iași, 10 iulie 1996, 212 pag.

I. Cărți de specialitate și îndrumare publicate cu ISBN

1. Hazi Gh., (2018), Protecția instalațiilor energetice, Editura Pim, Iași, ISBN 978-606-13-4478-9, 377 p.
2. Hazi Gh., (2015), Rețele electrice, Editura Pim, Iași, ISBN 978-606-13-2488-0, 405 p.
3. Hazi Gh., Hazi A., (2014), Protecții prin relee. Lucrări practice, Editura Pim, Iași, ISBN 978-606-13-1855-1, 275 p.
4. Hazi A. Hazi Gh., (2014), Partea electrică a centralelor și stațiilor. Lucrări practice, Editura Pim, Iași, ISBN 978-606-13-1854-4, 324 p.

5. Hazi A., Hazi Gh., (2013), Stații electrice moderne, Editura Pim, Iași, ISBN 978-606-13-1216-0, 102 p.
6. Sorin Vernica, Hazi Gh. (2013), Rețele electrice – Lucrări practice, Editura Pim, Iași, ISBN 978-606-13-1451-5, 190 p.
7. Grigore Roxana, Popa Sorin, Hazi Aneta, Hazi Gheorghe, capitolul 16 (2011), Study regarding Numerical Simulation of Counter Flow Plate Heat Exchanger în cartea Numerical Analysis – Theory and Application, edited by Jan Awrejcewicz, editura Intech, ISBN 978-953-307-389-7, pp.357-372
8. Hazi A., Hazi Gh., (2009), Bilanțuri energetice. Teorie și aplicații, Editura Tehnică „Info” Chișinău, ISBN 978-9975-63-221-8, 352 p.
9. Hazi Gh., Hazi A., (2009), Alimentarea cu energie electrică a consumatorilor, Editura Pim, Iași, ISBN 978-606-520-601-4, 134 p.
10. Hazi Gh., (2009), Supratensiuni și rezistența izolației, Editura Pim, Iași, ISBN 978-606-520-603-8, 172 p.
11. Hazi Gh., (2009), Calitatea energiei electrice, Editura Pim, Iași, ISBN 978-606-520-627-4, 152 p.
12. Hazi A Hazi Gh., (2009), Utilizarea energiei electrice, Editura Pim, Iași, ISBN 978-606-520-604-5, 208 p.
13. Hazi Gh., (2009), Baze de date. Lucrări practice, Editura Pim, Iași, ISBN 978-606-520-602-1, 184 p.
14. Hazi Gh. , (2007), BAZE DE DATE II (ORACLE), Editura Alma Mater, ISBN 978-973-1833-31-6, 126 p.
15. Hazi Gh. , (2007), Proiectarea algoritmilor, Editura Alma Mater, ISBN 978-973-1833-30-9, 141 p.
16. Hazi Gh., (2004), Tehnici de optimizare în energetică. Teorie, programe, aplicații, Editura Tehnică „Info” Chișinău, ISBN 9975-63-242-4, 251 p.
17. Hazi A., Hazi Gh., (2003), Balanțe și calitatea energiei, Editura Tehnică „Info” Chișinău, ISBN 9975-63-213-0, 189 p.
18. Hazi A., Hazi Gh., (2003), Partea electrică a centralelor și stațiilor, Editura Tehnică „Info” Chișinău, ISBN 9975-63-216-5, 240 p.
19. Hazi A., Hazi Gh., (2003), Stații electrice și posturi de transformare, Editura Tehnică „Info” Chișinău, ISBN 9975-63-217-3, 359 p.
20. Hazi A., Hazi Gh., (1999), Modelarea și optimizarea proceselor de uscare a hârtiei și cartonului, Editura Plumb, Bacău, ISBN 973-9362-31-1, 328 p.

II. Articole științifice (selecție)

II.1. Articole publicate în reviste și volume ale conferințelor indexate Thomson Reuters

1. Hazi A., Hazi Gh., (2017), Increasing energy and economic efficiency and decreasing environmental impacts in an ice cream company, Environmental Engineering and Management Journal, ISSN ISSN 1582-9596, May 2017, Vol. 16, No. 5, pp. 1041-1047, <http://www.eemj.icpm.tuiasi.ro/issues/vol16/vol16no5.htm>
2. Grigore R., Capat C., Hazi A., Hazi Gh., (2016), Eco-efficiency indicators in the evaluation of

- environmental performance of thermal power plants, *Environmental Engineering and Management Journal*, ISSN 1582-9596, January 2016, Vol.15, No. 1, pp. 143-149
https://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=2&SID=P2CMY6WMRcuDtkJPedM&page=4&doc=34
3. Hazi Gh. Hazi A., (2015), Considerations on an Indicator Guaranteed in the Electricity Supply to Consumers, *Procedia Technology*, ISI Proceedings of 8th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014, 9-10 October 2014, Tirgu-Mures, Romania, ISSN: 2212-0173, volum 19, pp.643-650, Doi: 10.1016/j.protcy.2015.02.091
<http://www.sciencedirect.com/science/article/pii/S2212017315000924>
 4. Hazi A., Hazi Gh., Grigore R., Vernica S., (2014), Opportunity to use PVT systems for water heating in industry, *Applied Thermal Engineering*, ISSN: 1359-4311, volum 63, pp.151-157, FI=2.624,
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T1Bh41cCOPuOOrOwoZn&page=1&doc=2
 5. Hazi A., Hazi Gh., (2014), Comparative study of indirect photovoltaic thermal solar-assisted heat pump systems for industrial applications, *Applied Thermal Engineering*, ISSN: 1359-4311, volum 70, pp.90-99, FI=2.624,
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T1Bh41cCOPuOOrOwoZn&page=1&doc=1
 6. Hazi A. Hazi Gh., (2014), Overload Protection of Power Lines, *Proceeding of the INTERNATIONAL CONFERENCE AND EXPOSITION ON ELECTRICAL AND POWER ENGINEERING, EPE 2014, Iași, 16-18 octombrie 2014*, IEEE Xplore database, DOI: 10.1109/ICEPE.2014.6970053,
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T1Bh41cCOPuOOrOwoZn&page=1&doc=3
 7. Hazi A. Hazi Gh., (2014), Environmental and Economic Effect of Losses in a Photovoltaic System, *Proceeding of the INTERNATIONAL CONFERENCE AND EXPOSITION ON ELECTRICAL AND POWER ENGINEERING, EPE 2014, Iași, 16-18 octombrie 2014*, IEEE Xplore database, DOI: 10.1109/ICEPE.2014.6970084,
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T1Bh41cCOPuOOrOwoZn&page=1&doc=4
 8. Gh. HAZI, A. HAZI, R.Grigore (2009), Errors for Calculus of the Energy Losses Using Statistical Characteristics of the Loads in the Busses, 2009 IEEE Bucharest PowerTech , IDS Number BOJ31, ISBN 978-1-4244-2234-0, VOLS 1-5 , pp.2491-2496
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=11&SID=T1Bh41cCOPuOOrOwoZn&page=3&doc=29
 9. HAZI, Gh. HAZI, A. Badea, H. Necula, R.Grigore (2009), Increase of Paper Mill Energy Efficiency by Optimization Energy Supply System Industry, 2009 IEEE Bucharest PowerTech, IDS Number BOJ31, ISBN 978-1-4244-2234-0, VOLS 1-5, pp. 2450-2454 ,
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T1Bh41cCOPuOOrOwoZn&page=1&doc=5
 10. HAZI, Gh. HAZI, A. Badea, H. Necula, R.Grigore (2009), Exergy Evaluation of Renewable Use in the Pulp and Paper Industry, 2009 IEEE Bucharest PowerTech , IDS Number BOJ31, ISBN 978-1-4244-2234-0, VOLS 1-5, pp. 2792-2795

http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T1Bh41cCOPuOOrOwoZn&page=1&doc=6

11. Grigore R., Badea A., Hazi G., Studies concerning the Maintenance Optimization of Power Plant Steam Condenser, ANNALS of DAAAM for 2008 & Proceedings of 19th DAAAM International Symposium, Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions, 22-25th October 2008, Trnava, Slovakia, ISSN 1726-9679, 2008, pp.283-285,
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T1Bh41cCOPuOOrOwoZn&page=1&doc=7

II.2. Articole publicate în reviste și volume ale conferințelor indexate în BDI

1. Hazi Gheorghe Hazi Aneta Vernica Sorin-Gabriel, (2018), CONSIDERATIONS ON THE DETERMINATION OF ENERGY LOSSES IN ENVIRONMENTAL NETWORKS, Proceedings of the 11th International Conference on Industrial Power Engineering, ISSN 2069-9905, vol.1, p.5-13
2. Hazi Aneta, Hazi Gheorghe, Vernica Sorin, (2018), IMPROVING THE OPERATING DIAGRAM OF A SUBSTATION, Proceedings of the 11th International Conference on Industrial Power Engineering, ISSN 2069-9905, vol.1, p.14-19
3. Vernica Sorin-Gabriel, Hazi Aneta, Hazi Gheorghe, Grigore Roxana, (2018), PROPOSALS TO IMPROVE THE OPERATING REGIMES OF A GAS TURBINE PLANT, Proceedings of the 11th International Conference on Industrial Power Engineering, ISSN 2069-9905, vol.1, p.43-48
4. Hazi Gheorghe Hazi Aneta, (2017), Algorithm for determining reactive power compensated for industrial consumers with variable load, Proceedings of Francophone Multidisciplinary Colloquium on Materials, Environment and Electronics (PLUMEE 2017), vol.1, p.9-14, <http://plumee.ub.ro/2017/>
5. Hazi Aneta Hazi Gheorghe Vernica Sorin, (2016), EFFECTS OF PRESSURE VARIATION ON TWO-STAGE COMPRESSION REFRIGERATION WITH HEAT RECOVERY, Proceedings of the 10th International Conference on Industrial Power Engineering, ISSN 2069-9905, vol.1, p.47-50, <http://ciei.ub.ro/2016/proceedings-of-ciei-2016/>
6. Hazi Aneta Hazi Gheorghe Vernica Sorin, (2016), HEAT RECOVERY OPPORTUNITIES IN A REFRIGERATION SYSTEM, Proceedings of the 10th International Conference on Industrial Power Engineering, ISSN 2069-9905, vol.1, p.51-55, <http://ciei.ub.ro/2016/proceedings-of-ciei-2016/>
7. Hazi Gheorghe Hazi Aneta Vernica Sorin-Gabriel, (2016), CONFIGURING METHOD OF THE NUMERICAL PROTECTIONS IN THE POWER SYSTEMS, Proceedings of the 10th International Conference on Industrial Power Engineering, ISSN 2069-9905, vol.1, p.56-64, <http://ciei.ub.ro/2016/proceedings-of-ciei-2016/>
8. Vernica Sorin-Gabriel, Hazi Aneta, Hazi Gheorghe, (2016), EXPERIMENTAL DETERMINATION OF THERMAL AND ELECTRICAL EFFICIENCIES OF GAS TURBINE PLANT, Proceedings of the 10th International Conference on Industrial Power Engineering, ISSN 2069-9905, vol.1, p.135-138, <http://ciei.ub.ro/2016/proceedings-of-ciei-2016/>

9. Hazi Gh. Hazi A. Vernica S.-G., (2015), On modeling the long transmission lines through equivalent Π circuits, Proceeding PLUMEE 2015 , Limoges, France, ISSN 2343-9092, pp.61-64, <http://pubs.ub.ro/?pg=revues&rev=plumee&num=201501&vol=5&aid=4250>
10. Vernica S., Hazi A., Hazi Gh., (2015), Experimental Analysis of the Gas Turbine Plant with External Heat Recovery, Proceeding PLUMEE 2015 , Limoges, France, ISSN 2343-9092, pp.145-148, <http://pubs.ub.ro/?pg=revues&rev=plumee&num=201501&vol=5&aid=4270>
11. Hazi Gh. Hazi A. Vernica S.-G., (2014), Configuring the overload protection for the power transformers, Proceeding CIEI 2014, BACĂU, ISSN 2069-9905, pp.133-138, <http://ciei.ub.ro/2014/2014-2/proceedings-2014/configuring-the-overload-protection-for-the-power-transformers/>
12. Hazi Gh. Hazi A. Vernica S.-G., (2014), The efficiency placement of the capacitor in industrial power systems, Proceeding CIEI 2014, BACĂU, ISSN 2069-9905, pp.139-143, <http://ciei.ub.ro/2014/2014-2/proceedings-2014/the-efficiency-placement-of-the-capacitor-in-industrial-power-systems/>
13. Hazi A. Hazi Gh. Vernica S.-G., (2014), Improving lighting efficiency in the substation , Proceeding CIEI 2014, BACĂU, ISSN 2069-9905, pp.127-132, <http://ciei.ub.ro/2014/2014-2/proceedings-2014/improving-lighting-efficiency-in-the-substation/>
14. Hazi A. Hazi Gh. Vernica S.-G., (2014), Influence of outdoor temperature on air conditioning system, Proceeding CIEI 2014, BACĂU, ISSN 2069-9905, pp.121-126, <http://ciei.ub.ro/2014/2014-2/proceedings-2014/influence-of-outdoor-temperature-on-air-conditioning-system/>
15. Vernica S.-G., Hazi Gh. Hazi A. (2014), Experimental determination of static characteristics of a motor-generator group and rectifier, Proceeding CIEI 2014, BACĂU, ISSN 2069-9905, pp.250-255, <http://ciei.ub.ro/2014/2014-2/volume-2014-s02/experimental-determination-of-static-characteristics-of-a-motor-generator-group-and-a-rectifier/>
16. Vernica S., Hazi A., Hazi Gh., (2014), Experimental Determination of the Heat Recovery Boiler Effectiveness of a Gas Turbine Plant, Applied Mechanics and Materials, ISSN 1662-7482, vol.659/2014, pp.503-508, <http://www.scientific.net/AMM.659.503>
17. Hazi Gh. Hazi A. Vernica S.-G., (2013), About selectivity of numerical protections against earth faults in medium voltage networks grounded with Petersen Coil, Proceeding PLUMEE 2013 Bacau, pp. 102-107, <http://pubs.ub.ro/?pg=revues&rev=plumee&num=201301&vol=1&aid=3978>
18. Hazi Gh. Hazi A. Vernica S.-G., (2013), Calculation of fault currents in power distribution networks grounded with Petersen Coil, Proceeding PLUMEE 2013 Bacau, pp. 108-113, <http://pubs.ub.ro/?pg=revues&rev=plumee&num=201301&vol=1&aid=3979>
19. Hazi A. Hazi Gh. Vernica S.-G., (2013), Power transformer in substations – heat source, Proceeding PLUMEE 2013 Bacau, pp.98-101, <http://pubs.ub.ro/?pg=revues&rev=plumee&num=201301&vol=1&aid=3977>
20. Vernica S.-G., Hazi Gh. Hazi A., (2013), Experimental determination of static characteristics of the resistive and lighting loads, Proceeding PLUMEE 2013 Bacau, pp.295-300, <http://pubs.ub.ro/?pg=revues&rev=plumee&num=201301&vol=1&aid=4020>
21. Hazi Gh., Hazi A., Vernica S., (2013), Using the numerical protections for medium voltage power lines grounded with Peterson coil, Buletinul AGIR, ISSN 2247-3548, vol.4/2013, pp.129-134, <http://www.buletinulagir.agir.ro/articol.php?id=1821>

22. Hazi A., Hazi Gh., Vernica S., (2013), Solution heat recovery from the power transformer oil, Buletinul AGIR, ISSN 2247-3548, vol.4/2013, pp.123-127, <http://www.buletinulagir.agir.ro/articol.php?id=1820>
23. Hazi Gh., Hazi A., Vernica S., (2013), EXPERIMENTAL STUDY ON HEATING OF UNINSULATED ELECTRICAL CONDUCTORS, TERMOTEHNICA Supliment 1/2013, ISSN 2247-1871, pp.79-83, <http://www.revistatermotehnica.agir.ro/articol.php?id=1906>
24. Hazi A., Hazi Gh., Vernica S., (2013), Opportunity study for heat Recovery from large power transformers in substations, TERMOTEHNICA Supliment 1/2013, ISSN 2247-1871, pp.9-12, <http://www.revistatermotehnica.agir.ro/articol.php?id=1891>
25. Hazi Gh., Hazi A., (2012), INTEGRATED SOLUTIONS TO ACHIEVE RESERVE TRIGGERING ON BREAKER FAILURE IN DOUBLE BUSBAR SUBSTATIONS, Buletinul AGIR, ISSN 2247-3548, vol.2/2012, pp.467-470, <http://www.buletinulagir.agir.ro/articol.php?id=1424>
26. Hazi Gh., Hazi A., (2012), ADVANTAGES OF USING EARLY STREAMER EMISSION AIR TERMINALS IN PROTECTING POWER INSTALLATIONS, Buletinul AGIR, ISSN 2247-3548, vol.2/2012, pp.461-465, <http://www.buletinulagir.agir.ro/articol.php?id=1423>
27. Hazi Gh., Hazi A., (2012), Unbalanced Power Flow Calculation for Industrial Electrical Networks Containing Induction Motors, Proceedings of 11th International Conference on Environment and Electrical Engineering (EEEIC 2012), 18-25 may, Venice, 2012, baza de date INSPEC, IEEE Xplore, Digital Object Identifier : 10.1109/EEEIC.2012.6221580 [http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6221580&matchBoolean=true&searchWithin\[\]=%22First+Name%22%3AAaneta&searchWithin\[\]=%22Last+Name%22%3AHazi&newsearch=true](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6221580&matchBoolean=true&searchWithin[]=%22First+Name%22%3AAaneta&searchWithin[]=%22Last+Name%22%3AHazi&newsearch=true)
28. Hazi A., Hazi Gh., Grigore R, (2012), Energy efficiency of the PVT system used in industry, Proceedings of 11th International Conference on Environment and Electrical Engineering (EEEIC 2012), 18-25 may, Venice, 2012, baza de date INSPEC, IEEE Xplore, Digital Object Identifier : 10.1109/EEEIC.2012.6221579, [http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6221579&matchBoolean=true&searchWithin\[\]=%22First+Name%22%3AAaneta&searchWithin\[\]=%22Last+Name%22%3AHazi&newsearch=true](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6221579&matchBoolean=true&searchWithin[]=%22First+Name%22%3AAaneta&searchWithin[]=%22Last+Name%22%3AHazi&newsearch=true)
29. Hazi A., Hazi Gh., Grigore R, (2012), Study of PVT system integration in an industrial company, Buletinul AGIR, ISSN 2247-3548, vol.2/2012, pp.179-183 <http://www.buletinulagir.agir.ro/articol.php?id=1381>
30. Hazi A., Hazi Gh., Grigore R, (2012), Performance optimization of a PVT that is integrated into an industrial company, Buletinul AGIR, ISSN 2247-3548, vol.2/2012, pp.185-190, <http://www.buletinulagir.agir.ro/articol.php?id=1382>
31. HAZI, Gh., HAZI, A.,(2011), Specific Aspects of the MHC Network Connection in Isolated Areas, Acta Electrotehnica, ISSN 1841-3323, nr. 5, pp. 195-198, UT Cluj Napoca, <http://ie.utcluj.ro/files/acta/2011/Number5/Cuprins%20Proceedings%20MPS%202011.pdf>
32. Hazi Gh., Hazi A., (2011), Difficulties in calculating the differential protection of the transformer in case of digital protection, Annals of the “Constantin Brâncuși” University of Târgu Jiu, ISSN 1842-4856, Volum 3, p.153-160, <http://www.utgjiu.ro/revista/?page=curent&nr=2011-3>
33. Hazi Gh., Hazi A., (2011), Possibilities for testing the differential protection of the transformer

- using the current kit with two independent currents, Annals of the “Constantin Brâncuși” University of Târgu Jiu, ISSN 1842-4856, Volum 3, p.161-168, <http://www.utgjiu.ro/revista/?page=curent&nr=2011-3>
34. Hazi A., Hazi Gh., Grigore R., (2011) Integrating a photovoltaic system in a substation, Annals of the “Constantin Brâncuși” University of Târgu Jiu, ISSN 1842-4856, Volum 3, p.139-145, <http://www.utgjiu.ro/revista/?page=curent&nr=2011-3>
 35. Hazi A., Hazi Gh., (2011), Improving energy efficiency in substations, Annals of the “Constantin Brâncuși” University of Târgu Jiu, ISSN 1842-4856, Volum 3, p.146-152, <http://www.utgjiu.ro/revista/?page=curent&nr=2011-3>
 36. Hazi A. Hazi Gh. Grigore R. Vernica, S., (2011), Effects of deterioration equipment reliability in a gas turbine cogeneration power plant, 10th International Conference on Environment and Electrical Engineering (EEEIC), 8-11 may, Rome, 2011, ISBN: 978-1-4244-8779-0 ; Digital Object Identifier : 10.1109/EEEIC.2011.5874844 [http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=5874844&matchBoolean=true&searchWithin\[\]=%22First+Name%22%3AAneta&searchWithin\[\]=%22Last+Name%22%3AHazi&newsearch=true](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=5874844&matchBoolean=true&searchWithin[]=%22First+Name%22%3AAneta&searchWithin[]=%22Last+Name%22%3AHazi&newsearch=true)
 37. Hazi Gh, Rusu V., Hazi A., (2011) Electricity Supply Solutions of Oil Installations at Voltages 1000V and 500V, CIEI 2011 Bacău, ISSN 2069 – 9905, p. 59-67., http://www.eie.ub.ro/images/stories/documente/Proceedings_of_CIEI_2011.pdf
 38. Hazi Gh., Hazi A., Mălăia V., (2011), Procedures for Control and Monitoring Data Transmission Process in Power Systems, CIEI 2011 Bacău, ISSN 2069 – 9905, p. 377-385, http://www.eie.ub.ro/images/stories/documente/Proceedings_of_CIEI_2011.pdf
 39. Hazi A., Hazi Gh., (2011), Features of the Control Circuits in the Laboratory Substation, CIEI 2011 Bacău, ISSN 2069 – 9905, p. 373-376, http://www.eie.ub.ro/images/stories/documente/Proceedings_of_CIEI_2011.pdf
 40. Hazi A., Hazi GH. , Sajin T., Grigore R., (2011), Analysis of a Solar backup system based on reliability, CIEI 2011 Bacău, ISSN 2069 – 9905, p. 409-414, http://www.eie.ub.ro/images/stories/documente/Proceedings_of_CIEI_2011.pdf
 41. Hazi Gh., Hazi A.(2010), Efficiency Replacement of Measuring Transformers in The Stations, Buletinul Institutului Politehnic din Iași, Tomul LVI (LX), Fasc. 3, 2010, <http://www.bulipi-eee.tuiasi.ro/archive/2010/fasc.3/2010f3contents.pdf>
 42. Hazi Gh., Hazi A., Mălăia V., Simon C.(2010), Hardware infrastructure solutions for centers of remote control of substations, Annals of the “Constantin Brâncuși” University of Târgu Jiu, ISSN 1842-4856, Volum 3 p.153-161, http://www.utgjiu.ro/revista/ing/pdf/2010-03/17_G_%20HAZI.pdf
 43. Hazi A., Hazi Gh., Puiu-Berizintu Mihai, (2010) Effects of efficiency in pulp and paper mills, , Annals of the “Constantin Brâncuși” University of Târgu Jiu, ISSN 1842-4856, Volum 4 p.32-36, http://www.utgjiu.ro/revista/ing/pdf/2010-04/33_ANETA%20HAZI.pdf
 44. Grigore R., Popa S., Hazi A., Hazi Gh., (2010), Study Regarding the Influence of the Plate Heat Exchanger Configuration on Its Performance, WSEAS Transactions on Heat and Mass Transfer, Issue 3, vol.5, July 2010, ISSN: 1790-5079, pp. 133- 142, INSPEC (IEE), ISI, SCOPUS indexed, <http://www.worldses.org/journals/hmt/heat-2010.htm>

45. Hazi A., Hazi Gh., (2010), Paper Machine Influence on Industrial Energy System, Journal of Energy and Power Engineering, volume 4, number 5, may 2010, ISSN 1934-8975, USA, <http://www.davidpublishing.com/show.html?3697>
46. Hazi, A.; Hazi, Gh.; Grigore, R.; Vernica, S.-G., (2010), Sensitivity of reliability indicator for the gas turbine cogeneration power plant, Annals of DAAAM for 2010, ISSN 1726-9679, ISBN 978-3-901509-73-5, pp.633-634, EBSCO Indexed, https://docs.google.com/spreadsheets/d/1gl8ELoLK10GQHZsS25y0SRXhDRfqk3IHCP-y68X-04s/pub?hl=en_GB&output=html
47. Grigore R., Hazi A., Hazi Gh., (2010), Contributions regarding numerical simulation of fluid flow in a plate heat exchanger, Annals of DAAAM for 2010, ISSN 1726-9679, ISBN 978-3-901509-73-5, pp.579-580, EBSCO Indexed, https://docs.google.com/spreadsheets/d/1gl8ELoLK10GQHZsS25y0SRXhDRfqk3IHCP-y68X-04s/pub?hl=en_GB&output=html
48. Gheorghe HAZI, Aneta HAZI (2009), Issues concerning protection against direct lightning strike of substations operating at a voltage lower than projected, THE 7th NATIONAL CONFERENCE ON INDUSTRIAL ENERGETICS With International Participation (CNEI 2009), 5-7 November, Bacău, 2009, ISBN : 978-606-527-050-3, p.113-120, http://www.eie.ub.ro/images/stories/documente/Proceedings_of_CNEI_2009.pdf
49. Gheorghe Hazi, Aneta HAZI (2009), Analytical relation for design of protective zones at horizontal lightning rods, Modelling and optimization in the machines building field, Edited by Tehnical Sciences Academy of Romanian, ISSN 1224 – 7480, Volume 1, p.8-15, <http://pubs.ub.ro/?pg=revues&rev=mocm&num=200915&vol=1&aid=2653>
50. Hazi, Gh.Hazi, R.Grigore (2009), Energy savings through heat recovery systems in the papermaking, Bulletin of the Transilvania University of Braşov, Volume 1, ISSN 2065-2119 p.355-358, <http://aspectk.unitbv.ro/jspui/bitstream/123456789/1340/1/Hazi.pdf>
51. Aneta HAZI, Gheorghe HAZI, Roxana GRIGORE (2009), Estimating energy performance indicators of pulp and paper mills, Proceedings of THE 7th NATIONAL CONFERENCE ON INDUSTRIAL ENERGETICS With International Participation (CNEI 2009), 5-7 November, Bacău, ISBN : 978-606-527-050-3, p.213-218, http://www.eie.ub.ro/images/stories/documente/Proceedings_of_CNEI_2009.pdf
52. Aneta HAZI, Gheorghe HAZI (2009), Increasing energy efficiency of paper machines by using information systems process, THE 7th NATIONAL CONFERENCE ON INDUSTRIAL ENERGETICS With International Participation (CNEI 2009), 5-7 November, Bacău, 2009, ISBN : 978-606-527-050-3, p.219-224, http://www.eie.ub.ro/images/stories/documente/Proceedings_of_CNEI_2009.pdf
53. Gheorghe Hazi, Aneta HAZI (2008), Analytical relation for design of protective zones at vertical lightning rods, Modelling and optimization in the machines building field, Edited by Tehnical Sciences Academy of Romanian, ISSN 1224 – 7480, Volume 4, p.59-65, <http://pubs.ub.ro/?pg=revues&rev=mocm&num=200814&vol=4&aid=2429>
54. Gheorghe Hazi, Aneta HAZI, Vasile Petcu (2008), Energy losses calculus of the low voltage network using type load curves, Buletinul Institutului Politehnic din Iaşi, Tomul LIV(LVIII), Fasc.3, Secția Electrotehnică, Energetică, Electronică, ISSN 1223-8139, p. 107-113, <http://www.bulipi-eee.tuiasi.ro/archive/2008/fasc.3/2008f3contents.pdf>
55. HAZI Gheorghe, HAZI Aneta, MANOLIU Cristina, VERNICA Sorin(2008), Complex

- asymmetric regimes in the 110 KV network due to RAR automation, Modelling and optimization in the machines building field, Edited by Tehnical Sciences Academy of Romanian, ISSN 1224 – 7480, Volume 1, p.147-152, <http://pubs.ub.ro/?pg=revues&rev=mocm&num=200814&vol=1&aid=1875>
56. HAZI Aneta, HAZI Gheorghe(2008), Black liquor - source of renewable energy for the paper making industry, Modelling and optimization in the machines building field, Edited by Tehnical Sciences Academy of Romanian, ISSN 1224 – 7480, Volume 1, p.139-142, <http://pubs.ub.ro/?pg=revues&rev=mocm&num=200814&vol=1&aid=1873>
57. HAZI Aneta, HAZI Gheorghe(2008), Exergy evaluation of the cooking plant, Modelling and optimization in the machines building field, Edited by Tehnical Sciences Academy of Romanian, ISSN 1224 – 7480, Volume 1, p.143-146, <http://pubs.ub.ro/?pg=revues&rev=mocm&num=200814&vol=1&aid=1874>
58. Aneta HAZI, Gheorghe Hazi (2008), Sustainability indicators of the cogeneration plant in a pulp and paper mill, Buletinul Institutului Politehnic din Iași, Tomul LIV(LVIII), Fasc.2, Secția Constructii de masini, ISSN 1011-2855, p. 469-473, http://www.cm.tuiasi.ro/docs/CM%20fasc%202_2008%20romana.pdf
59. Aneta HAZI, Gheorghe Hazi (2008), Model for simulation of conventional drying of paper, Buletinul Institutului Politehnic din Iași, 2.39Tomu LIV(LVIII), Fasc.3, Secția Electrotehnică, Energetică, Electronică, ISSN 1223-8139, p. 535-540, <http://www.bulipi-eee.tuiasi.ro/archive/2008/fasc.3/2008f3contents.pdf>
60. Aneta HAZI, Gheorghe Hazi, Sorin Vernica, Florin Goga (2008), The energetic and exergetic performance of gas turbine cogeneration system, Modelling and optimization in the machines building field, Edited by Tehnical Sciences Academy of Romanian, ISSN 1224 – 7480, Volume 4, p.53-58, <http://pubs.ub.ro/?pg=revues&rev=mocm&num=200814&vol=4&aid=2428>
61. Hazi Gh., Hazi A., (2007) - Conditions for efficient use of the 1000 V energy distribution, Analele Universității din Craiova, Seria Inginerie electrică, Anul 31, nr.31/2007, vol.I, ISSN 1842-4805, http://elth.ucv.ro/fisiere/anale/2007/2007_15.htm
62. Hazi A., Hazi Gh., (2007) - Biomass utilization for fuel saving and minimize environment impact in a paper mill, Analele Universității din Craiova, Seria Inginerie electrică, Anul 31, nr.31/2007, vol.I, ISSN 1842-4805, p.319-322, http://elth.ucv.ro/fisiere/anale/2007/2007_7.htm
63. Aneta HAZI, Gheorghe Hazi (2007), Using renewable sources in the pulp and paper mills, Buletinul Științific al Universității Politehnica București, Seria C: Inginerie electrică, volum 69, nr.4, pp.77-82, http://www.scientificbulletin.upb.ro/rev_docs_arhiva/full199587.pdf
64. Hazi Gh., Hazi A. (2006), Determination of current transformers state from substations using statistical processing of exploitation data , Modelling and optimization in the machines building field, Edited by Tehnical Sciences Academy of Romanian, ISSN 1224 – 7480, Volume 2, pp.65-70, <http://pubs.ub.ro/?pg=revues&rev=mocm&num=200612&vol=2&aid=744>
65. Hazi Gh., Hazi A. (2006), Determination of voltage transformers state from substations using statistical processing of exploitation data, Modelling and optimization in the machines building field, Edited by Tehnical Sciences Academy of Romanian, ISSN 1224 – 7480, Volume 4, <http://pubs.ub.ro/?pg=revues&rev=mocm&num=200612&vol=4&aid=815>
66. Hazi Gh., Hazi A. (2006), Software for network electro-energetic balance, Modelling and optimization in the machines building field, Edited by Tehnical Sciences Academy of Romanian, ISSN 1224 – 7480, Volume 1,

- <http://pubs.ub.ro/?pg=revues&rev=mocm&num=200612&vol=1&aid=716>
67. Hazi A., Hazi Gh. (2006), Energy management and energy cost minimization, Modelling and optimization in the machines building field, Edited by Tehnical Sciences Academy of Romanian, ISSN 1224 – 7480, Volume 1, <http://pubs.ub.ro/?pg=revues&rev=mocm&num=200612&vol=1&aid=715>
 68. Hazi A., Hazi Gh. (2006), The monitoring and reporting of energy management in a company, Modelling and optimization in the machines building field, Edited by Tehnical Sciences Academy of Romanian, ISSN 1224 – 7480, Volume 2, pp.61-64, <http://pubs.ub.ro/?pg=revues&rev=mocm&num=200612&vol=2&aid=743>
 69. Hazi A., Hazi Gh. (2006), Algorithm for exergy efficiency of paper machine, Modelling and optimization in the machines building field, Edited by Tehnical Sciences Academy of Romanian, ISSN 1224 – 7480, Volume 4, <http://pubs.ub.ro/?pg=revues&rev=mocm&num=200612&vol=4&aid=803>
 70. Hazi Gh., Hazi A., (2005) Numerical technique for verification of success states in the network, Modelling and optimization in the machines building field, Volume 3, Edited by Romanian Tehnical Sciences Academy, ISSN 1224 - 7480, p.114-117, <http://pubs.ub.ro/?pg=revues&rev=mocm&num=200511&vol=3&aid=120>
 71. Hazi A., Hazi Gh., (2005) Improvement of steam-condensate system efficiency in paper machines, Modelling and optimization in the machines building field, Volume 3, Edited by Romanian Tehnical Sciences Academy, ISSN 1224 - 7480, p.141-145, <http://pubs.ub.ro/?pg=revues&rev=mocm&num=200511&vol=3&aid=125>
 72. Hazi A., Hazi Gh., (2005) Exergy flows in the paper machine, Modelling and optimization in the machines building field, Volume 3, Edited by Romanian Tehnical Sciences Academy, ISSN 1224 - 7480, p.146-149, <http://pubs.ub.ro/?pg=revues&rev=mocm&num=200511&vol=3&aid=126>
 73. Hazi Gh., Solomon P., Hazi A., (2004) Asupra eficienței utilizării posturilor de transformare de mică putere în distribuția energiei electrice, Revista ENERGETICA, nr. 12, ISSN 1453-2360, pp. 525-527, http://www.ire.ro/Publications/Energetica/Archive/Resources/2004/Numarul%2012/2004_Nr12.pdf
 74. Hazi A., Hazi Gh., (2004) Utilizarea eficientă a căldurii la mașinile de hârtie, Revista ENERGETICA, nr. 12, ISSN 1453-2360, pp. 533-535, http://www.ire.ro/Publications/Energetica/Archive/Resources/2004/Numarul%2012/2004_Nr12.pdf
 75. Hazi, A., Hazi, Gh., (2004), Increasing The Energetic-Exergetic Efficiency For The Heat, The Fifth International World Energy System Conference, May 17-19, 2004, Oradea, Romania, ISSN 1198-0729, pp. 184-187, Journal of Sustainable Energy, ISSN 2067-5534, <http://www.energy-cie.ro/archives/2004/p31.pdf>
 76. Hazi Gh., Hazi A., Ababei S., (2003), Optimization of the Production Within the Service Companies in the Power Field, Modelling and optimization in the machines building field, Volume 2, Edited by Tehnical Sciences Academy of Romanian, ISSN, 1224 - 7480, p.119-123, <http://pubs.ub.ro/?pg=revues&rev=mocm&num=200309&vol=2&aid=991>
 77. Hazi Gh., Hazi A., Culea G., (2003), Modern Numerical Tehnics Used in Optimizing the Working States in Large-Scale Systems, Modelling and optimization in the machines building

- field, Volume 2, Edited by Tehnical Sciences Academy of Romanian, ISSN, 1224 - 7480, p.124-129, <http://pubs.ub.ro/?pg=revues&rev=mocm&num=200309&vol=2&aid=992>
78. Hazi A., Hazi Gh., Sajin T., (2003), Algorithm and computer program for optimization of working regimes of power cogeneration plant, Modelling and optimization in the machines building field, Volume 2, Edited by Tehnical Sciences Academy of Romanian, ISSN, 1224 - 7480, p.106-109, <http://pubs.ub.ro/?pg=revues&rev=mocm&num=200309&vol=2&aid=988>
79. Hazi A., Hazi Gh., Grigore R., (2003), Correlation between production and specific energetically consumption, Modelling and optimization in the machines building field, Volume 2, Edited by Tehnical Sciences Academy of Romanian, ISSN, 1224 - 7480, p.110-112, <http://pubs.ub.ro/?pg=revues&rev=mocm&num=200309&vol=2&aid=989>
80. Hazi A., Hazi Gh., Culea G., (2003), Exergy Optimization a Paper Machine, Modelling and optimization in the machines building field, Volume 2, Edited by Tehnical Sciences Academy of Romanian, ISSN, 1224 - 7480, p.113-118, <http://pubs.ub.ro/?pg=revues&rev=mocm&num=200309&vol=2&aid=990>
81. Hazi A., Hazi Gh., (2002), The increase energy efficiency and the decrease of energy costs in company, Modelling and optimization in the machines building field, Volume 2, Edited by Romanian Academy Branch Office of Iasi, ISSN 1224-7480, p. 371-375, <http://pubs.ub.ro/?pg=revues&rev=mocm&num=200208&vol=0&aid=1286>
82. Hazi, Gh., Viziteu, I., (2000), Optimizarea acțiunilor de mentenanță a rețelelor de transport, Rev. Energetica, Anul 48, nr. 3/2000, ISSN 1220-5133, pp. 142-145, http://www.ire.ro/Publications/Energetica/Archive/Resources/2000/Numarul%203/2000_Nr3.pdf
83. Badea A., Hazi A., Hazi Gh., (1999), Creșterea eficienței utilizării energiei termice la fabricarea hârtiei, Energetica, nr.4, 1999, ISSN 1220-5133, po.157-162, http://www.ire.ro/Publications/Energetica/Archive/Resources/1999/Numarul%204/1999_Nr4.pdf
84. Hazi, Gh., Calculul importanței elementelor de rețea în vederea optimizării structurii rețelelor electrice, Rev. ENERGETICA, seria B, nr. 5/1995, ISSN 1220-5133, pp. 217-222, 1995. http://ire.ro/Main/publicatii_arhiva_revista_energetica_anul/1995B

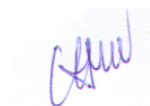
II. Proiecte câștigate prin competiție și contracte de cercetare științifică (selecție)

1. Sistem de arhivare a datelor rezultate din masuratori topo-cadastrale cod CPV 74131500- Contract nr. 8/2007, TRANSELECTRICA ST Bacau, 38000 lei, director
2. Realizarea punct de back-up pentru ST Bacau in statia Bacau Sud Contract nr. 42/2007 TRANSELECTRICA ST Bacau, 20000 lei, director
3. Studiu privind analiza asistată de calculator a riscului producerii loviturilor directe de trăsnet în stația 220/110/20 kV Foçșani Vest, Contract nr. 155/5/2008, 40000 lei, director
4. Organizarea și funcționarea sistemului de teleconducere al instalațiilor RET. Amenajare CTSI, Contract nr.532/2009, 19000 lei, director
5. Elaborare documentație as built și proceduri CTSI ST BACAU, contract nr. 593/2010, 25000 lei, director

6. Studiu privind urmărirea comportării în exploatare a TT și TC de 220 kV și 400 kV-Contract nr. 26/2005, S.C.SMART S.A. Bucuresti, 11400 lei, membru

10.01.2019

Semnatura

A handwritten signature in blue ink, appearing to be 'C. I. I.', is written on a light blue rectangular background.