



Lista de publicații de specialitate

A. Lista completă de lucrări

2024

- [1]. **Miron, A.**; Cziker, A.C.; Beleiu, H.G., *Fuzzy Control Systems for Power Quality Improvement—A Systematic Review Exploring Their Efficacy and Efficiency*. *Applied Sciences - Basel*. 2024, 14, 4468. <https://doi.org/10.3390/app14114468>, WOS:001245470000001.
Link: <https://www.mdpi.com/2076-3417/14/11/4468>
- [2]. D. F. Niste, S. Ștefănescu, A. Botezan, S. G. Pavel, **Anca Miron** and H. G. Beleiu, *Research on the implementation of voltage control on MV busbars due to the influence of PV connection*, 2024 International Conference on Development and Application Systems (DAS), Suceava, Romania, 2024, pp. 13-18, doi: 10.1109/DAS61944.2024.10541174.
Link: <https://ieeexplore.ieee.org/document/10541174>
- [3]. H. G. Beleiu, **A. Miron**, S. G. Pavel, A. C. Cziker, D. F. Niste and P. C. Darab, *Impact of Voltage Unbalance and Harmonics on Induction Motor Efficiency*, 2024 IEEE International Conference and Exposition on Electric and Power Engineering (EPEI), Iasi, Romania, 2024, pp. 328-332, doi: 10.1109/EPEI63510.2024.10758105.
Link: <https://ieeexplore.ieee.org/document/10758105>

2023

- [4]. **A. Miron**, A. C. Cziker, C. P. Dărăb, Ș. Ungureanu and H. G. Beleiu, *Reactive Power Compensation at Consumers Using Fuzzy Logic Control*, 2023 10th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2023, pp. 1-6, doi: 10.1109/MPS58874.2023.10187471.
Link: <https://ieeexplore.ieee.org/document/10187471>
- [5]. **A. Miron**, A. C. Cziker, Ș. Ungureanu, H. G. Beleiu and C. P. Dărăb, *Power Quality Prediction at Consumers Using a Hybrid Knowledge-Based Approach*, 2023 IEEE International Smart Cities Conference (ISC2), Bucharest, Romania, 2023, pp. 1-7, doi: 10.1109/ISC257844.2023.10293729.
Link: <https://ieeexplore.ieee.org/document/10293729>
- [6]. K. Lukács, S. Ungureanu, A. C. Cziker and **A. Miron**, *Forecasting the electricity balance of a small manufacturer with photovoltaic production using machine learning*, 2023 10th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2023, pp. 1-6, doi: 10.1109/MPS58874.2023.10187473.
Link: <https://ieeexplore.ieee.org/document/10187473>
- [7]. D. F. Niste, **A. Miron**, Ș. Ungureanu, A. C. Cziker, H. G. Beleiu and M. Misaros, *Research on Identifying Parallel Resonance in Power Networks using Artificial Neural Networks*, 2023 10th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2023, pp. 01-06, doi: 10.1109/MPS58874.2023.10187583.
Link: <https://ieeexplore.ieee.org/document/10187583>
- [8]. R. Covaci, S. Ungureanu, A. C. Cziker and **A. Miron**, *Practical implementation for efficiency evaluation of hydrogen production methods*, 2023 10th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2023, pp. 01-05, doi: 10.1109/MPS58874.2023.10187516.
Link: <https://ieeexplore.ieee.org/document/10187516>
- [9]. M. Bucuci, Ș. Ungureanu, **A. Miron** and A. C. Cziker, *Hydrogen Storage Potential of the Graphitic Carbon Nitride*, 2023 10th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2023, pp. 1-6, doi: 10.1109/MPS58874.2023.10187412.
Link: <https://ieeexplore.ieee.org/document/10187412>


2022

- [10]. **A. Miron**, A. C. Cziker, Ș. Ungureanu, H. G. Beleiu and C. P. Dărab, *Reactive Power Compensation at Industrial Consumers: Romanian Study Case*, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 101-106, doi:10.1109/EPE56121.2022.9959800.

Link: <https://ieeexplore.ieee.org/document/9959800>

- [11]. Beleiu, HG; Pavel, SG; Birou, IMT; **Miron, Anca**; Darab, PC; Sallah, M, *Effects of voltage unbalance and harmonics on drive systems with induction motor*, **Journal of Taibah University of Science** (Impact factor 3,45; Citation indicator 1,18), Volume 16, Issue 1, Page 381-391, DOI:10.1080/16583655.2022.2064670, Published DEC 31 2022, Indexed 2022-04-27, **WOS:000783990700001**.

Link: <https://www.tandfonline.com/doi/full/10.1080/16583655.2022.2064670>

2021

- [12]. **Miron Anca**, Cziker A.C., Ungureanu S., *Fuzzy logic controller for regulating the indoor temperature*, 2021 9th International Conference on Modern Power Systems (MPS), 2021, pp.1-6, doi: 10.1109/MPS52805.2021.9492595, **WOS:000941563300038**.

Link: <https://ieeexplore.ieee.org/document/9492595>

- [13]. Oltean A., Ungureanu S., **Miron Anca**, Cziker A.C., *IoT power monitoring device using Wi-fi and Arduino*, 2021 9th International Conference on Modern Power Systems (MPS), 2021, pp.1-6, doi: 10.1109/MPS52805.2021.9492651, **WOS:000941563300069**.

Link: <https://ieeexplore.ieee.org/document/9492651>

2020

- [14]. Ungureanu, S., Topa, V., Cziker, A., **Miron, A.**, Darab, C., *Application of Electricity Management Strategies for Lower Balancing Costs*, EPE 2020 - Proceedings of the 2020 11th International Conference and Exposition on Electrical And Power Engineering, 2020, pp. 345–349, 9305524.

Link: <https://ieeexplore.ieee.org/document/9305524>

- [15]. **Miron, A.**, Cziker, A.C., Ungureanu, S., Beleiu, H.G., *The impact of multiple small pv units on distribution networks Romanian case-study*, EPE 2020 - Proceedings of the 2020 11th International Conference and Exposition on Electrical And Power Engineering, 2020, pp. 339–344, 9305552.

Link: <https://ieeexplore.ieee.org/document/9305552>

- [16]. **Miron, A.**, Trotskovsky, E., Cziker, A.C., *Experienced Students' Errors in Electrical Engineering*, Proceedings - Frontiers in Education Conference, FIE, 2020, 2020-October, 9274094, **WOS:000646660800214**.

Link: <https://ieeexplore.ieee.org/document/9274094>

2019

- [17]. **Anca Miron**, A.C. Cziker, H.C. Bogariu, *Knowledge-based system for the analysis of voltage fluctuations and flicker*, Proceedings of 2019 8th International Conference On Modern Power Systems (MPS), 2019, Proceedings Paper, **WOS:000612401900024**.

Link: <https://ieeexplore.ieee.org/document/8759673>

- [18]. **Anca Miron**, A.C. Cziker, H.C. Bogariu, *Flicker's sources identification using a case-based reasoning prototype*, 2019 54th International Universities Power Engineering Conference (UPEC), Proceedings Paper, **WOS:000619338200115**.

Link: <https://ieeexplore.ieee.org/document/8893585>

2017

- [19]. Chindriș, M., Cziker, A., **Miron, A.**, *UPQC - the best solution to improve power quality in low voltage weak distribution networks*, Proceedings Paper, 7th International Conference on Modern Power Systems (MPS) 2017, **WOS:000428462600002**.



Link: <https://ieeexplore.ieee.org/document/7974371>

- [20]. **Miron, A.**, Chindriș, M., Cziker, A., Sacerdotianu, D., *Analysis of Disturbances Transmission in Microgrids*, Proceedings Paper, International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) / Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), 2017, pp. 60-65, **WOS:000426909600008**.

Link: <https://ieeexplore.ieee.org/document/7974948>

- [21]. **Miron, A.**, Cziker, A., Chindriș, M., *Estimating the Impact of Domestic Consumers on Power Quality Using Fuzzy Logic*, Proceedings Paper, 7th International Conference on Modern Power Systems (MPS) 2017, **WOS:000428462600007**.

Link: <https://ieeexplore.ieee.org/document/7974376>

2016

- [22]. **Miron, A.**, Cziker, A., Chindriș, M., Sacerdotianu, D., *Impact of distributed generation on weak distribution networks. Study case on a Romanian microgrid*, 2016 International Conference on Applied and Theoretical Electricity, ICATE 2016 – Proceedings 7754627, **WOS:000390767500027**.

Link: <https://ieeexplore.ieee.org/document/7754627>

- [23]. Chindriș, M., Cziker, A., **Anca Miron**, Sacerdotianu, D., *Small Distributed Renewable Energy Generation for Low Voltage Distribution Networks*, **PROBLEMELE ENERGETICII REGIONALE**, ISSN: 1857-0070 (Impact factor 0,3), Issue 2, Page 11-21, **WOS:000401957600002**.

Link: https://journal.ie.asm.md/assets/files/02_02_31_2016.pdf

2014

- [24]. **Anca Miron**, Mircea D. Chindriș, Andrei Cziker, *Harmonics and interharmonics analysis of power signals using Gaussian filter banks*, Power Engineering Conference (UPEC), 2014, 49th International Universities, pg 1-6, DOI: 10.1109/UPEC.2014.6934606, 2-5 sept. 2014 **WOS:000364087800015**.

Link: <https://ieeexplore.ieee.org/document/6934606>

2013

- [25]. **Anca Miron**, M. Chindriș, A. Cziker, *New power quality index for voltage dips and swell classification*, *Revista Acta Electrotechnica*, Vol. 54, Nr. 6, 2013, Special Issue 1st International Electrical Engineering Conference for Young Researchers, 23-26 October, 2013, Cluj-Napoca, Romania, pag. 129 - 134, ISSN: 1841 - 3323.

- [26]. **Anca Miron**, M. Chindriș, A. Cziker, *Time domain analysis of voltage dips/swells in modern power networks*, *Revista Acta Electrotechnica*, Vol. 54, Nr. 5, 2013, Special Issue Proceedings of the 5th International Conference on Modern Power Systems MPS 2013 28-31 of May, 2013, Cluj-Napoca, Romania, pag. 295 - 301, ISSN: 1841 - 3323.

- [27]. **Anca Miron**, M. Chindriș, A. Cziker, *Software tool for real-time power quality analysis*, *AECE, Advances in Electrical and Computer Engineering*, Vol. 3, No. 4, 2013, pp. 125 - 132, ISSN: 1582 - 7445, DOI: 10.4316/AECE.2013.04021, **WOS:000331461300021**.

Link: <https://aece.ro/abstractplus.php?year=2013&number=4&article=2>

- [28]. **Anca Miron**, M. Chindriș, Andreas Sumper, *Monitoring Power Quality in Microgrids Based on Disturbances Propagation Algorithms*, Conference on Interdisciplinary Research in Engineering Steps towards Breakthrough Innovation for Sustainable Development (INTERIN 2013), Cluj-Napoca, Romania, Feb. 25 - Mar 01, 2013, Book Editor(s): Vlaicu, A; Brad, S, *Interdisciplinary Research In Engineering: Steps Towards Breakthrough Innovation For Sustainable Development*, Book Series: Advanced Engineering Forum, Vol. 8-9, pp. 127-138, DOI: 10.4028/www.scientific.net/AEF.8-9.127, **WOS:000323184000015**.

Link: <https://www.scientific.net/AEF.8-9.127>

2012



- [29]. **Anca Miron**, M. Chindriș, A. Cziker, *Identification of Electromagnetic disturbances in modern power systems*, *JSE, Journal of Sustainable Energy*, Vol. 3, No. 1, March 2012, pp. 55 - 61, ISSN 2067-5534.
 Link: https://energy-cie.ro/archives/2012/nr_1/v3-n1-8.pdf
- [30]. **Anca Miron**, M. Chindriș, A. Cziker, *Impact of unbalance in harmonic polluted power networks*, Session TB1, paper EPQ0035, Proceedings of 21st International Symposium on Power Electronics, Electrical Drivers, Automation and Motion, SPEEDAM 2012, June 20 – 22 2012, Sorrento, Italia, IEEE Catalog Number: CFP1248A – CDR, ISBN: 978 – 1 – 4673 – 1300 – 1, DOI: 10.119/SPEEDAM.2012.6264475.
 Link: <https://ieeexplore.ieee.org/document/6264475>
- [31]. **Anca Miron**, *Real operating state analysis in modern distribution power networks*, Seminar în cadrul proiectului POSTDRU/89/1.5/S/53603 „Research challenges in sustainable development”, 19 – 22 martie 2012, Timișoara.

2011

- [32]. **Anca Miron**, M. Chindriș și A. Cziker, *Modern distribution power grids*, Seminar în cadrul proiectului POSTDRU/89/1.5/S/53603, aprilie 2011, Iași.
- [33]. **Anca Miron**, M. Chindriș și A. Cziker, *Complex electric signals analysis using virtual instrumentation*, *IRECOS (International Review on Computers and Software)*, September 2011, (Vol.6 n. 5), print ISSN: 1828-6003, cd-rom ISSN: 1828-6011.
 Link: http://www.praiseworthyprize.com/IRECOS_latest.html
- [34]. **Anca Miron**, M. Chindriș și A. Cziker, *Instrument virtual pentru identificarea perturbațiilor electromagnetice în rețelele electrice*, Volumul de lucrări CEE 2011, Calitatea energiei electrice 2011, Târgoviște 20-21 octombrie, pag. 33-42, ISSN 2247-773X.

2010

- [35]. **Anca Miron**, A. Cziker, M. Chindriș, *Propagation of conducted electromagnetic disturbances in distribution power grids*, *Revista Acta Electrotechnica*, Vol. 51, Nr. 5, pag. 265-270, ISSN: 1841 – 3323.
- [36]. **Anca Miron**, A. Cziker, M. Chindriș, *The Interaction between the Electrical Energy Production and the Romanian Environment*, *Revista Acta Electrotechnica*, Vol. 51, Nr. 5, pag. 260-264, ISSN: 1841 – 3323.
- [37]. **Anca Miron**, M. Chindriș și A. Cziker, *Efficiency increase of power quality analysis using virtual instrumentation*, WEC REGIONAL ENERGY FORUM – FOREN 2010, Neptun, 13 -17 iunie 2010, lucrarea s3-13-en.
- [38]. A.Cziker, **Anca Miron**, M. Chindris, *Wind generators impact a power systems*. *Journal of Electrical and Electronics Engineering*, Vol. 3, Nr. 1, 2010, pp.57-60, ISSN:1844-6035.
- [39]. M. Chindris, A. Cziker, **Anca Miron**, Sumper A., Sudrià-Andreu, A., Villafafila-Robles, R. *Software tool for the analysis of electromagnetic disturbances propagation*. International Conference on Renewable Energies and Power Quality (ICREPQ'10) Granada (Spain), 23rd to 25th March, 2010, ISBN978-84-613-7543-1 23-25.
 Link: <https://www.icrepq.com/icrepq%2710/703-Chindris.pdf>
- [40]. B. Tomoiaga, M. Chindriș, A. Cziker, **Anca Miron**, *Program for configuration management of operation schemes on modern electric distribution networks*. WEC REGIONAL ENERGY FORUM – FOREN 2010, Neptun, 13-17 June 2010, Reference no: s3-6-en.
- [41]. A. Cziker, M. Chindris, **Anca Miron**, *Power Quality Indices of the Real Operating States of Electrical Distribution Grids*. Special Issue selected paper from 3rd International Conference on Modern Power Systems MPS2010, Volume 51, Number 5, 2010, pp. 108-111, ISSN: 1841-3323.



- [42]. A. Cziker, **Anca Miron**, M. Chindriș, S. Ungureanu, *The Load Curves Identification and Classification*. Special Issue selected paper from 3rd International Conference on Modern Power Systems MPS2010, Volume 51, Number 5, 2010, pp. 104-107, ISSN: 1841-3323.
- [43]. B. Tomoiaga, M. Chindriș, A. Cziker, **Anca Miron**, *Program for Load Flow Calculation on Unbalanced and Harmonic Polluted Radial Electric Systems*. *Revista Acta Electrotehnica*, Special Issue selected paper from 3rd International Conference on Modern Power Systems MPS2010, Volume 51, Number 5, 2010, pp. 376-381, ISSN: 1841-3323.
- [44]. A. Cziker, **Anca Miron**, M. Chindriș, *A new power factor compensation strategy for highly unbalanced low voltage electrical networks*. *JSE*, CIE 2010, Băile Felix, 27-29 Mai 2010, Oradea.
- [45]. A. Cziker, **Anca Miron**, M. Chindriș, *Power Quality Indices for Unbalance Characterization in Non-Sinusoidal Condition*, 14th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2010, 11-18 September 2010, pp. 481-484, ISSN 1840-4944.
- [46]. A. Cziker, **Anca Miron**, M. Chindriș, *Pierderile de putere activă în rețelele actuale de distribuție* *Revista Energetica*, anul 58, nr. 7/2010, ISSN 1224-1261.
- [47]. M. Chindriș, B. Tomoiaga, A. Cziker, **Anca Miron**, *Object oriented model and program to analyse the unbalanced radial electric networks*, Scientific Bulletin of the Electrical Engineering Faculty – Year 10 No. 1 (12), pp 72-76, ISSN 1843-6188.
- 2009**
- [48]. **Anca Miron**, M. Chindriș, A. Cziker, *Utilizarea inteligenței artificiale în identificarea perturbațiilor electromagnetice*, *Revista Energetica*, anul 57, nr. 4/2009.
- [49]. **Anca Miron**, M. Chindriș, A. Cziker, *Virtual Instrument for Electromagnetic Disturbances Classification and Analysis*, 2009 IEEE Bucharest PowerTech, 28 iunie-2 iulie, București, Romania, paper 50.
- [50]. **Anca Miron**, M. Chindriș, A. Cziker, *Interharmonics Analysis using Fourier Transform and Virtual Instrumentation*, The 10th Jubilee International Conference EPQU 2009, Electrical Power Quality and Utilization, 15 – 17 septembrie, Lodz 2009, Polonia, paper 65, IEEE Catalog Nb. CFP0930C-CDR, ISBN: 978-1-4244-5172-2, **WOS:000274778700022**.
Link: <https://ieeexplore.ieee.org/document/5318844>
- [51]. **Anca Miron**, A. Cziker, M. Chindriș, *Power system modelling using fuzzy logic*, The 10th Jubilee International Conference EPQU 2009, Electrical Power Quality and Utilization, 15 – 17 septembrie, Lodz 2009, Polonia, paper 66, IEEE Catalog Nb. CFP0930C-CDR, ISBN: 978-1-4244-5172-2, **WOS:000274778700023**.
Link: <https://ieeexplore.ieee.org/document/5318841>
- [52]. A. Cziker, M. Chindriș, **Anca Miron**, *Dips analysis using virtual instrumentation*, The 10th Jubilee International Conference EPQU 2009, Electrical Power Quality and Utilization, 15 – 17 septembrie, Lodz 2009, Polonia, paper 66, IEEE Catalog Nb. CFP0930C-CDR, ISBN: 978-1-4244-5172-2.
- [53]. B. Tomoiaga, M. Chindriș, A. Cziker, **Anca Miron**, *Object oriented model to analyze the propagation of harmonic distortion and asymmetry through power transformers*, The 10th Jubilee International Conference EPQU 2009, Electrical Power Quality and Utilization, 15 – 17 septembrie, Lodz 2009, Polonia, paper 66, IEEE Catalog Nb. CFP0930C-CDR, ISBN: 978-1-4244-5172-2.
- [54]. **Anca Miron**, M. Chindriș, A. Cziker, *Harmonic detection using artificial neural networks*, 7th International Conference of Electromechanical and Power Systems, 6-10 octombrie 2009, Iași, Romania, paper 19.



- [55]. B. Tomoiagă, M. Chindriș, A. Cziker, **Anca Miron**, *Model orientat obiect pentru analiza propagării regimurilor nesimetrice și deformante prin transformatoarele de putere*, Conferința Națională și Expoziția de energetică, CNEE 2009, Sinaia, 21-23 oct. 2009, ISSN: 1843-6005.
- [56]. **Anca Miron**, A. Cziker, M. Chindris, *Software tool for conducted electromagnetic disturbances propagation analysis*, The 8th International Power Systems Conference, 5 – 6.11.2009, Timișoara, Romania, pag. 305 – 312, ISSN 1582 – 7194.
- [57]. **Anca Miron**, M. Chindris, A. Cziker, *Analiza interarmonicilor in sistemele electroenergetice*, CEE 2009, Sesiunea I – Monitorizarea calitatii energiei electrice, pag. 71- 77, Târgoviște.

2008

- [58]. A. Cziker, M. Chindris, **Anca Miron**, *Virtual instrumentation for fuzzy logic controller simulation*, International Conference on Renewable Energy and Power Quality, ICREPQ'08, Santander, Spain, 12-14 March 2008, paper 493.
- [59]. A. Cziker, M. Chindris, **Anca Miron**, *Fuzzy Controller for a Shaded Daylighting System*, 11th International Conference on Optimization of Electrical and Electronic Equipment OPTIM'08, 22-24 May, 2008, Brașov, Romania, paper 586, **WOS:000258474700034**.
 Link: <https://ieeexplore.ieee.org/document/4602522>
- [60]. A. Cziker, M. Chindris, **Anca Miron**, *Voltage unbalance mitigation using a distributed generator*, 11th International Conference on Optimization of Electrical and Electronic Equipment OPTIM'08, 22-24 May, 2008, Brașov, Romania, paper 587, **WOS:000258474200036**.
 Link: <https://ieeexplore.ieee.org/document/4602370>
- [61]. **Anca Miron**, A. Cziker and M. Chindris., *Detection and analysis of interharmonics*, *Acta Electrotehnica*, MEDIAMIRA Science Publisher, Cluj-Napoca, 2008, pp 317-321, ISSN 1841-3323.
- [62]. **Anca Miron**, M. Chindris and A. Cziker, *Virtual electrical signal generators*, *Acta Electrotehnica*, MEDIAMIRA Science Publisher, Cluj-Napoca 2008, pp 170-174, ISSN 1841-3323.
- [63]. A. Cziker, M. Chindriș și **Anca Miron**, *Distributed Generators for Voltage Unbalance Mitigation*, *Acta Electrotehnica*, MEDIAMIRA Science Publisher, Cluj-Napoca, 2008, pp. 129-132, ISSN 1841-3323.
- [64]. A. Cziker, M. Chindriș și **Anca Miron**, *Implementation of Fuzzy Logic in Power Engineering using Virtual Instrumentation*, *Acta Electrotehnica*, MEDIAMIRA Science Publisher, Cluj-Napoca, 2008, pp. 129-132, ISSN 1841-3323.
- [65]. M. Chindriș, A. Cziker and **Anca Miron**, *Unbalance and harmonic currents impact on electric distribution grids. Study case*, 43th International Universities Power Engineering Conference, UPEC 2008, 1-4 September, Padova, Italy, pp. 175-178, www.upec2008.org.
- [66]. **Anca Miron**, M. Chindriș și A. Cziker, *Alegerea conductelor electrice pentru RED de JT dezechilibrate și poluate armonic*, SIEE Cluj-Napoca, 2008, pp.47-54, ISBN 978-973-1758-41-1.
- [67]. A. Cziker, M. Chindriș și **Anca Miron**, *Audit energetic al unei acționări electrice utilizând instrumentația virtuală*, SIEE Cluj-Napoca, 2008, pp.39-46, ISBN 978-973-1758-41-1.
- [68]. A. Cziker, M. Chindriș și **Anca Miron**, *Pierderi de putere în sistemele de distribuție moderne de jt*, Forumul regional al energiei, FOREN 2008, Neptun, 15 -19 iunie 2008.
- [69]. M. Chindriș, A. Cziker și **Anca Miron**, *Conectarea la rețea a generatoarelor distribuite. Legislația din România*, Forumul regional al energiei, FOREN 2008, Neptun, 15 -19 iunie 2008.
- [70]. M. Chindriș, **Anca Miron** and A. Cziker, *Virtual instrument for the analysis of load curves*, 9th International Conference on Applied and Theoretical Electricity (ICATE 2008), 11th Symposium on



Cryoelectrotechnics and Cryogenics (SCC11), UNIVERSITY OF CRAIOVA - Faculty of Electrical Engineering, CRAIOVA, ROMANIA, October 8-10, 2008.

- [71]. **Anca Miron**, Andrei Cziker, *Calculul exact al pierderilor de putere în rețelele electrice, o problemă actuală în condițiile liberalizării pieței de energie, "The exact calculus of power losses in power grids, an actual issue in the power market liberalization"*, Energetica, anul 56, nr. 3, martie 2008.

2007

- [72]. M.Chindriș, A.Cziker and **Anca Miron**, *Computation of power losses in public lighting networks*, ILUMINAT 2007, 31 mai-1 iunie, Cluj-Napoca, lucrarea 8, ISBN 978 – 973 – 713 – 177 – 5.
- [73]. A.Cziker, M.Chindriș, **Anca Miron**, *Management of Indoor Lighting Systems Using Fuzzy Controllers*, ILUMINAT 2007, 31 mai-1 iunie, Cluj-Napoca, lucrarea 11, ISBN 978 – 973 – 713 – 177 – 5.
- [74]. M. Chindriș, A.Cziker and **Anca Miron**, *Software for computation of power losses in unbalanced and harmonic polluted industrial electric networks*, ECEEE 2007 Summer Study, 4 – 9 June, La Colle sur Loup, France, pag. 1395-1399.
- [75]. M. Chindriș, A. Cziker, **Anca Miron**, *Propagation of unbalance at different voltage levels*, Conferința de Inginerie Electrică CIE 2007, 7 – 8 iunie 2007, Băile Felix, Oradea, **Analele Universității din Oradea**, Fascicula de Energetica Nr.13, Editura Universității din Oradea 2007, ISSN 1224-1261, pag. 205-210.
- [76]. A.Cziker, M.Chindriș, **Anca Miron**, *Implementation of a lighting control system based on fuzzy logic*, IFAC Workshop ICPS'07, 9th – 11th June 2007, Convergence of Information Technologies and Control Methods with Power Plants and Power Systems, Mediamira Science Publisher 2007, pag. 135 -140, ISBN 978-973-713-180-5.
- [77]. A.Cziker, M.Chindriș, **Anca Miron**, *Implementation of fuzzy logic in daylighting control*, 11th International Conference on Intelligent Engineering Systems, INES 2007, 29 June – 1 July 2007, Budapesta, Hungary ,pag. 195 – 200, ISBN: 1 – 4244 – 1147 -5, **WOS:000250359600035**.
 Link: <https://ieeexplore.ieee.org/document/4283697>
- [78]. A.Cziker, M.Chindriș, **Anca Miron**, *Implementation of fuzzy logic in the management of the artificial lighting systems*, TMT2007, 11th International Research/Expert Conference, "Trends in the development of machinery and associated technology", 5-9 September 2007, Hammamet, Tunisia, pag. 659 - 662, ISBN: 978-9958-617-34-8.
- [79]. M. Chindriș, A.Cziker and **Anca Miron**, *Study cases regarding power losses in power systems with poor power quality*, 6th International Conference on Electromechanical and Power systems, SIELMEN 2007, 4 – 6 octombrie 2007, Chișinău, Analele Universității din Craiova, Seria: Inginerie Electrică, Anul 31, nr.31, 2007, Vol.II, Ed. Universitaria, ISSN 1842 – 4805, pag. 349 – 352.
- [80]. M. Chindriș, A.Cziker, **Anca Miron**, *Analiza propagării perturbațiilor electromagnetice în sistemele electroenergetice*, Al VII-lea Simpozion Național Calitatea Energiei Electrice, CEE 2007, Târgoviște, 11 – 12 Octombrie 2007, pag. 148 – 155.
- [81]. A.Cziker, M.Chindriș, **Anca Miron**, Mihaela Pop, *Utilizarea logicii fuzzy în controlul iluminatului mixt artificial/natural*, Simpozionul Național de iluminat, SINAIA 2007, „Soluții moderne, de calitate pentru un iluminat eficient”, 19 octombrie 2007, Sinaia, pag.48 – 55.
- [82]. M. Chindriș, E.Sudria, A.Cziker, **Anca Miron**, *Propagation of unbalance in electric power systems*, 9th International Conference Electrical Power Quality and Utilisation, EPQU'07, Barcelona, Spain, 9 – 11 October 2007, Session ID: Improvement and distribution loads, **WOS:000255859500023**.
 Link: <https://ieeexplore.ieee.org/document/4424221>



- [83]. **Anca Miron**, M. Chindriș, A. Cziker, *Interharmonic issue in the electric power systems*, The 7th International Power Systems Conference, 21 – 23.11.2007, Timișoara, Romania, pag. 409 – 417, ISSN 1582 – 7194.
- [84]. A. Cziker, M. Chindriș, **Anca Miron**, *Fuzzy control of the delighting in an indoor space*, The 7th International Power Systems Conference, 21 – 23.11.2007, Timișoara, Romania, pag. 183 – 191, ISSN 1582 – 7194.
- [85]. A.Cziker, M.Chindriș, **Anca Miron**, *Fuzzy Controller for Indoor Lighting System with Daylighting Contribution*, ELECO'2007, 5th International Conference on Electrical and Electronics Engineering, 5 – 9 December 2007, Bursa.
- [86]. A. Cziker, M. Chindriș, **Anca Miron**, *Implementation of fuzzy logic in power engineering using virtual instrumentation*, 3th International Conference on Energy an Environment CIEM 2007, Bucharest 22-23 November on CD, ISSN 1454-234x.
- [87]. **Anca Miron**, *Biological Fuel Cells*, *Revista NOVICE*, <http://www.bel.utcluj.ro/ novice/>.

2006

- [88]. M. Chindriș, A. Cziker, **Anca Miron**, *Program pentru determinarea pierderilor de putere in rețelele electrice dezechilibrate si poluate armonic*, Simpozionul de Eficienta energetica – editia a V-a, 3 – 5 octombrie 2006, Cluj-Napoca, Romania, pag. 166-174. ISBN:973-686-928-8; 978-973-686-928-0.

B1. Teza de doctorat:

Transmiterea perturbațiilor electromagnetice conduse în sistemele electroenergetice, conducător de doctorat prof.dr.ing. Mircea D. Chindriș, Universitatea Tehnică din Cluj – Napoca, Facultatea de Inginerie Electrică, Catedra de Electroenergetică.

B2. Bursă postdoctorală – Calitatea energiei electrice în sistemele electroenergetice modern, în cadrul contractului POSTDRU/89/1.5/S/53603.

C. Brevete de invenție și alte titluri de proprietate industrială și intelectuală

D. Cărți și capitole din cărți

2024

- [1]. **Anca Miron**, Ștefan Ungureanu, (Editori: George Cristian Lazaroiu, Mariacristina Roscia, Vasile Sebastian Dancu) *Energy Transition Holistic Impact Challenge (ETHIC): A New Environmental and Climatic Era, Chapter 15: Sustainability of electricity consumption Lighting and HVAC systems*, Editura Springer Cham, 30 pg, ISBN: 978-3-031-55447-6.
Link: <https://link.springer.com/book/10.1007/978-3-031-55448-3>

2018

- [2]. Miron Anca, Cziker A., *Utilizări ale energiei electrice. Suport pentru laborator*, Editura UTPRESS, 178 pg., ISBN 978-606-737-321-9.

2016

- [3]. Anca Miron, A. Cziker, M. Chindriș, *Elemente de audit și management electroenergetic*, Editura U.T. PRESS, Cluj-Napoca, 2016, 200 pg., ISBN: 978-606-737-156-7.

2014



- [4]. **Anca Miron**, A. Cziker, M. Chindriș, *Utilizarea energiei electrice, Lucrări practice*, Editura Casa Cărții de Știință, Cluj-Napoca, 2014, 140 pg, ISBN: 978-606-17-0236-7.
2010
- [5]. **Anca Miron**, M. Chindriș, A. Cziker, *Utilizarea energiei electrice, Lucrări practice*, Editura Casa Cărții de Știință, Cluj-Napoca, 2008, ISBN: 978-973-133-371-7.
2009
- [6]. M. Chindriș, A. Cziker, **Anca Miron**, B. Tomoiagă, *Managementul energiei electrice. Aplicații*, Editura Casa Cărții de Știință, Cluj-Napoca, 2009, ISBN: 978-973-133-492-9.
- [7]. **Anca Miron**, M. Chindriș, *Transmiterea perturbațiilor electromagnetice conduse în sistemele electroenergetice*, Editura Casa Cărții de Știință, Cluj-Napoca, 2009, ISBN: 978-973-133-478-3.
2007
- [8]. A. Cziker, M. Chindriș, **Anca Miron**, *Utilizarea energiei electrice, Lucrări practice*, Editura Casa Cărții de Știință, Cluj-Napoca, 2007, ISBN 978-973-133-134-8.

E. Articole / studii în extenso, publicate în reviste din fluxul științific internațional principal

- [1]. **Miron, A.**; Cziker, A.C.; Beileu, H.G., Fuzzy Control Systems for Power Quality Improvement—A Systematic Review Exploring Their Efficacy and Efficiency. *Applied Sciences (Q1)*, 2024, 14, 4468. <https://doi.org/10.3390/app14114468> , WOS:001245470000001.
- [2]. Beileu, HG; Pavel, SG; Birou, IMT ; **Miron, Anca**; Darab, PC; Sallah, M, Effects of voltage unbalance and harmonics on drive systems with induction motor, *Journal of Taibah University of Science* (Impact factor 3,45; Citation indicator 1,18, Q2), Volume 16, Issue 1, Page 381-391, DOI:10.1080/16583655.2022.2064670, Published DEC 31 2022, Indexed 2022-04-27, WOS:000783990700001.
- [3]. Chindris, M., Cziker, A., **Anca Miron**, Sacerdotianu, D, *Small Distributed Renewable Energy Generation for Low Voltage Distribution Networks*, PROBLEMELE ENERGETICII REGIONALE, ISSN: 1857-0070 (Impact factor 0,3), Issue 2, Page 11-21, WOS:000401957600002.
- [4]. **Anca Miron**, M. Chindriș, A. Cziker, *New power quality index for voltage dips and swell classification*, *Revista Acta Electrotechnica*, Vol. 54, Nr. 6, 2013, pag. 129 - 134, ISSN: 1841 – 3323.
- [5]. **Anca Miron**, M. Chindriș, Andreas Sumper, *Monitoring Power Quality in Microgrids Based on Disturbances Propagation Algorithms*, Conference on Interdisciplinary Research in Engineering Steps towards Breakthrough Innovation for Sustainable Development (INTERIN 2013), Cluj-Napoca, Romania, Feb. 25 - Mar 01, 2013, Book Editor(s): Vlaicu, A; Brad, S, *Interdisciplinary Research In Engineering: Steps Towards Breakthrough Innovation For Sustainable Development*, Book Series: Advanced Engineering Forum, Vol. 8-9, pp. 127-138, doi: 10.4028/www.scientific.net/AEF.8-9.127, WOS:000323184000015.
- [6]. **Anca Miron**, M. Chindriș, A. Cziker, *Software tool for real-time power quality analysis*, *AECE, Advances in Electrical and Computer Engineering (Q4)*, Vol. 3, No. 4, 2013, pp. 125 – 132, ISSN: 1582 – 7445, doi: 10.4316/AECE.2013.04021, WOS:000331461300021.
- [7]. **Anca Miron**, M. Chindriș, A. Cziker, *Identification of Electromagnetic disturbances in modern power systems*, *JSE, Journal of Sustainable Energy*, Vol. 3, No. 1, March 2012, pp. 55 - 61, ISSN 2067-5534.
- [8]. **Anca Miron**, M. Chindriș, A. Cziker, *Complex electric signals analysis using virtual instrumentation*, *IRECOS (International Review on Computers and Software)*, September 2011, (Vol.6 n. 5), print ISSN: 1828-6003, cd-rom ISSN: 1828-6011.



- [9]. **Anca Miron**, A. Cziker, M. Chindriș, *Propagation of conducted electromagnetic disturbances in distribution power grids*, *Acta Electrotehnica*, Cluj – Napoca, 2010, Vol. 51, Nr. 5, pag. 265-270, ISSN: 1841 – 3323.
- [10]. **Anca Miron**, M. Chindris and A. Cziker, *The Interaction between the Electrical Energy Production and the Romanian Environment*, *Acta Electrotehnica*, Cluj – Napoca, 2010, Vol. 51, Nr. 5, pag. 260-264, ISSN: 1841 – 3323.
- [11]. A.Cziker, **Anca Miron**, M.Chindris, *Wind generators impact an power systems*. *Journal of Electrical and Electronics Engineering*, Vol 3, Nr. 1, 2010, pp.57-60, ISSN:1844-6035.
- [12]. A. Cziker, M. Chindris, **Anca Miron**, *Power Quality Indices of the Real Operating States of Electrical Distribution Grids*. Special Issue selected paper from 3rd International Conference on Modern Power Systems MPS2010, *Acta Electrotehnica*, Volume 51, Number 5, 2010, pp. 108-111, ISSN: 1841-3323.
- [13]. A. Cziker, **Anca Miron**, M. Chindris, S. Ungureanu, *The Load Curves Identification and Classification*. Special Issue selected paper from 3rd International Conference on Modern Power Systems MPS2010, *Acta Electrotehnica*, Volume 51, Number 5, 2010, pp. 104-107, ISSN: 1841-3323.
- [14]. B. Tomoiaga, M. Chindriș, A. Cziker, **Anca Miron**, *Program for Load Flow Calculation on Unbalanced and Harmonic Polluted Radial Electric Systems*. *Acta Electrotehnica*, Special Issue selected paper from 3rd International Conference on Modern Power Systems MPS2010, Volume 51, Number 5, 2010, pp. 376-381, ISSN: 1841-3323.
- [15]. **Anca Miron**, A. Cziker and M. Chindris., *Detection and analysis of interharmonics*, *Acta Electrotehnica*, Cluj-Napoca, 2008, pp 317-321, ISSN 1841-3323.
- [16]. **Anca Miron**, M. Chindris and A. Cziker, *Virtual electrical signal generators*, *Acta Electrotehnica*, Cluj-Napoca 2008, pp 170-174, ISSN 1841-3323.
- [17]. A. Cziker, M. Chindriș și **Anca Miron**, *Distributed Generators for Voltage Unbalance Mitigation*, *Acta Electrotehnica*, MEDIAMIRA Science Publisher, Cluj-Napoca, 2008, pp. 129-132, ISSN 1841-3323.
- [18]. A. Cziker, M. Chindriș și **Anca Miron**, *Implementation of Fuzzy Logic in Power Engineering using Virtual Instrumentation*, *Acta Electrotehnica*, MEDIAMIRA Science Publisher, Cluj-Napoca, 2008, pp. 129-132, ISSN 1841-3323.
- [19]. M. Chindriș, A.Cziker and **Anca Miron**, *Study cases regarding power losses in power systems with poor power quality*, 6th International Conference on Electromechanical and Power systems, SIELMEN 2007, 4 – 6 octombrie 2007, Chișinău, *Analele Universității din Craiova*, Seria: Inginerie Electrică, Anul 31, nr.31, 2007, Vol.II, Ed. Universitaria, ISSN 1842 – 4805, pag. 349 – 352.

F. Publicații în extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate

- [1]. D. F. Niste, S. Ștefănescu, A. Botezan, S. G. Pavel, **A. Miron** and H. G. Beleiu, "Research on the implementation of voltage control on MV busbars due to the influence of PV connection," 2024 International Conference on Development and Application Systems (DAS), Suceava, Romania, 2024, pp. 13-18, doi: 10.1109/DAS61944.2024.10541174.
- [2]. **A. Miron**, A. C. Cziker, Ș. Ungureanu, H. G. Beleiu and C. P. Dărăb, *Reactive Power Compensation at Industrial Consumers: Romanian Study Case*, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 101-106, doi:10.1109/EPE56121.2022.9959800.



- [3]. **A. Miron**, A. C. Cziker, C. P. Dărab, Ș. Ungureanu and H. G. Beleiu, "Reactive Power Compensation at Consumers Using Fuzzy Logic Control," 2023 10th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2023, pp. 1-6, doi: 10.1109/MPS58874.2023.10187471.
- [4]. **A. Miron**, A. C. Cziker, Ș. Ungureanu, H. G. Beleiu and C. P. Dărab, "Power Quality Prediction at Consumers Using a Hybrid Knowledge-Based Approach," 2023 IEEE International Smart Cities Conference (ISC2), Bucharest, Romania, 2023, pp. 1-7, doi: 10.1109/ISC257844.2023.10293729.
- [5]. K. Lukács, S. Ungureanu, A. C. Cziker and **A. Miron**, "Forecasting the electricity balance of a small manufacturer with photovoltaic production using machine learning," 2023 10th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2023, pp. 1-6, doi: 10.1109/MPS58874.2023.10187473.
- [6]. D. F. Niste, **A. Miron**, Ș. Ungureanu, A. C. Cziker, H. G. Beleiu and M. Misaros, "Research on Identifying Parallel Resonance in Power Networks using Artificial Neural Networks," 2023 10th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2023, pp. 01-06, doi: 10.1109/MPS58874.2023.10187583.
- [7]. R. Covaci, S. Ungureanu, A. C. Cziker and **A. Miron**, "Practical implementation for efficiency evaluation of hydrogen production methods," 2023 10th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2023, pp. 01-05, doi: 10.1109/MPS58874.2023.10187516.
- [8]. M. Bucuci, Ș. Ungureanu, **A. Miron** and A. C. Cziker, "Hydrogen Storage Potential of the Graphitic Carbon Nitride," 2023 10th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2023, pp. 1-6, doi: 10.1109/MPS58874.2023.10187412.
- [9]. **Miron Anca**, Cziker A.C., Ungureanu S., Fuzzy logic controller for regulating the indoor temperature, 2021 9th International Conference on Modern Power Systems (MPS), 2021, pp.1-6, doi: 10.1109/MPS52805.2021.9492595, **WOS:000941563300038**.
- [10]. Oltean A., Ungureanu S., **Miron Anca**, Cziker A.C., IoT power monitoring device using Wi-fi and Arduino, 2021 9th International Conference on Modern Power Systems (MPS), 2021, pp.1-6, doi: 10.1109/MPS52805.2021.9492651, **WOS:000941563300069**.
- [11]. Ungureanu, S., Topa, V., Cziker, A., **Miron, A.**, Darab, C., Application of Electricity Management Strategies for Lower Balancing Costs, EPE 2020 - Proceedings of the 2020 11th International Conference and Exposition on Electrical And Power Engineering, 2020, pp. 345–349, 9305524.
- [12]. **Miron, A.**, Cziker, A.C., Ungureanu, S., Beleiu, H.G., The impact of multiple small pv units on distribution networks Romanian case-study, EPE 2020 - Proceedings of the 2020 11th International Conference and Exposition on Electrical And Power Engineering, 2020, pp. 339–344, 9305552.
- [13]. **Miron, A.**, Trotskovsky, E., Cziker, A.C., Experienced Students' Errors in Electrical Engineering, Proceedings - Frontiers in Education Conference, FIE, 2020, 2020-October, 9274094, **WOS:000646660800214**.
- [14]. Chindriș, M., Cziker, A., **Miron, A.**, UPQC - the best solution to improve power quality in low voltage weak distribution networks, Proceedings Paper, 7th International Conference on Modern Power Systems (MPS) 2017, **WOS:000428462600002**.
- [15]. **Miron, A.**, Chindriș, M., Cziker, A., Sacerdotianu, D., Analysis of Disturbances Transmission in Microgrids, Proceedings Paper, International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) / Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), 2017, pp. 60-65, **WOS:000426909600008**.
- [16]. **Miron, A.**, Cziker, A., Chindriș, M., Estimating the Impact of Domestic Consumers on Power Quality Using Fuzzy Logic, Proceedings Paper, 7th International Conference on Modern Power Systems (MPS) 2017, **WOS:000428462600007**.



- [17]. **Anca Miron**, A.C. Cziker, H.C. Bogariu, Knowledge-based system for the analysis of voltage fluctuations and flicker, Proceedings of 2019 8th International Conference On Modern Power Systems (MPS), 2019, Proceedings Paper, **WOS:000612401900024**.
- [18]. **Anca Miron**, A.C. Cziker, H.C. Bogariu, Flicker's sources identification using a case-based reasoning prototype, 2019 54th International Universities Power Engineering Conference (UPEC), Proceedings Paper, **WOS:000619338200115**.
- [19]. **Miron, A.**, Cziker, A., Chindriș, M., Sacerdotianu, D., Impact of distributed generation on weak distribution networks. Study case on a Romanian microgrid, 2016 International Conference on Applied and Theoretical Electricity, ICATE 2016 – Proceedings 7754627, **WOS:000390767500027**.
- [20]. **Anca Miron**, Mircea D. Chindriș, Andrei Cziker, *Harmonics and interharmonics analysis of power signals using Gaussian filter banks*, Power Engineering Conference (UPEC), 2014, 49th International Universities, pg 1-6, doi: 10.1109/UPEC.2014.6934606, 2-5 sept. 2014.
- [21]. **Anca Miron**, M. Chindriș, A. Cziker, *Time domain analysis of voltage dips/swells in modern power networks*, Proceedings of the 5th International Conference on Modern Power Systems MPS 2013 28-31 of May, 2013, Cluj-Napoca, Romania, pag. 295 - 301, ISSN: 1841 – 3323.
- [22]. **Anca Miron**, M. Chindriș, A. Cziker, *Impact of unbalance in harmonic polluted power networks*, Session TB1, paper EPQ0035, Proceedings of 21st International Symposium on Power Electronics, Electrical Drivers, Automation and Motion, SPEEDAM 2012, June 20 – 22 2012, Sorrento, Italia.
- [23]. **Anca Miron**, M. Chindriș, A. Cziker, *Interharmonics Analysis using Fourier Transform and Virtual Instrumentation*, Publications of The 10th Jubilee International Conference EPQU 2009, Electrical Power Quality and Utilization, 15 – 17 septembrie, Lodz 2009, Polonia, paper 65.
- [24]. **Anca Miron**, A. Cziker, M. Chindriș, *Power system modelling using fuzzy logic*, Publication of The 10th Jubilee International Conference EPQU 2009, Electrical Power Quality and Utilization, 15 – 17 septembrie, Lodz 2009, Polonia, paper 66.
- [25]. A. Cziker, M. Chindriș, **Anca Miron**, *Fuzzy Controller for a Shaded Daylighting System*, Proceedings on 11th International Conference on Optimization of Electrical and Electronic Equipment OPTIM'08, 22-24 May, 2008, Brașov, Romania, pp. 203 – 208.
- [26]. A. Cziker, M. Chindriș, **Anca Miron**, *Voltage unbalance mitigation using a distributed generator*, Proceedings on 11th International Conference on Optimization of Electrical and Electronic Equipment OPTIM'08, 22-24 May, 2008, Brașov, Romania, pp. 221 – 226.
- [27]. M. Chindriș, A. Cziker, **Anca Miron**, H. Bălan, A. Iacob, A. Sudria, *Propagation of unbalance in electric power systems*, Proceedings on the 9th International Conference Electrical Power Quality and Utilization, EPQU'07, Barcelona, Spain, 9 – 11 October 2007, pp. 1 – 5.
- [28]. A. Cziker, M. Chindriș, **Anca Miron**, *Implementation of fuzzy logic in daylighting control*, Proceedings on 11th International Conference on Intelligent Engineering Systems, INES 2007, 29 June – 1 July 2007, Budapesta, Hungary, pp. 195 – 200, ISBN: 1 – 4244 – 1147 -5.
- [29]. M. Chindriș, A. Cziker, **Anca Miron**, Sumper A., Sudrià-Andreu, A., Villafafila-Robles, R. *Software tool for the analysis of electromagnetic disturbances propagation*. International Conference on Renewable Energies and Power Quality (ICREPQ'10) Granada (Spain), 23rd to 25th March, 2010, ISBN978-84-613-7543-1 23-25.
- [30]. A. Cziker, **Anca Miron**, M. Chindriș, *Power Quality Indices for Unbalance Characterization in Non-Sinusoidal Condition*, 14th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2010, 11-18 September 2010, pp. 481-484, ISSN 1840-4944.
- [31]. A. Cziker, M. Chindriș, **Anca Miron**, *Dips analysis using virtual instrumentation*, The 10th Jubilee International Conference EPQU 2009, Electrical Power Quality and Utilization, 15 – 17 septembrie, Lodz 2009, Polonia, ISBN: 978-1-4244-5172-2.



- [32]. B. Tomoiaga, M. Chindriș, A. Cziker, **Anca Miron**, *Object oriented model to analyze the propagation of harmonic distortion and asymmetry through power transformers*, The 10th Jubilee International Conference EPQU 2009, Electrical Power Quality and Utilization, 15 – 17 septembrie, Lodz 2009, Polonia, ISBN: 978-1-4244-5172-2.
- [33]. **Anca Miron**, M. Chindriș, A. Cziker, *Virtual Instrument for Electromagnetic Disturbances Classification and Analysis*, 2009 IEEE Bucharest PowerTech, 28 iunie-2 iulie, București, Romania, paper 50.
- [34]. **Anca Miron**, M. Chindriș, A. Cziker, *Harmonic detection using artificial neural networks*, 7th International Conference of Electromechanical and Power Systems, 6-10 octombrie 2009, Iași, Romania, paper 19.
- [35]. **Anca Miron**, A. Cziker, M. Chindris, *Software tool for conducted electromagnetic disturbances propagation analysis*, The 8th International Power Systems Conference, 5 – 6.11.2009, Timișoara, Romania, pag. 305 – 312, ISSN 1582 – 7194.
- [36]. A. Cziker, M. Chindris, **Anca Miron**, *Virtual instrumentation for fuzzy logic controller simulation*, International Conference on Renewable Energy and Power Quality, ICREPQ'08, Santander, Spain, 12-14 March 2008, paper 493.
- [37]. M. Chindriș, A. Cziker and **Anca Miron**, *Unbalance and harmonic currents impact on electric distribution grids. Study case*, 43th International Universities Power Engineering Conference, UPEC 2008, 1-4 September, Padova, Italy, pp. 175-178, www.upec2008.org;
- [38]. M. Chindriș, **Anca Miron** and A. Cziker, *Virtual instrument for the analysis of load curves*, 9th International Conference on Applied and Theoretical Electricity (ICATE 2008), 11th Symposium on Cryoelectrotechnics and Cryogenics (SCC11), UNIVERSITY OF CRAIOVA - Faculty of Electrical Engineering, CRAIOVA, ROMANIA, October 8-10, 2008.
- [39]. M. Chindriș, A.Cziker and **Anca Miron**, *Software for computation of power losses in unbalanced and harmonic polluted industrial electric networks*, ECEEE 2007 Summer Study, 4 – 9 June, La Colle sur Loup, France, pag. 1395-1399.
- [40]. **Anca Miron**, M. Chindriș, A. Cziker, *Interharmonic issue in the electric power systems*, The 7th International Power Systems Conference, 21 – 23.11.2007, Timișoara, Romania, pag. 409 – 417, ISSN 1582 – 7194.
- [41]. A. Cziker, M. Chindriș, **Anca Miron**, *Fuzzy control of the delighting in an indoor space*, The 7th International Power Systems Conference, 21 – 23.11.2007, Timișoara, Romania, pag. 183 – 191, ISSN 1582 – 7194.
- [42]. A.Cziker, M.Chindriș, **Anca Miron**, *Fuzzy Controller for Indoor Lighting System with Daylighting Contribution*, ELECO'2007, 5th International Conference on Electrical and Electronics Engineering, 5 – 9 December 2007, Bursa, Turcia.
- [43]. A. Cziker, M. Chindris, **Anca Miron**, *Implementation of fuzzy logic in power engineering using virtual instrumentation*, 3th International Conference on Energy an Environment CIEM 2007, Bucharest 22-23 November on CD, ISSN 1454-234x.
- [44]. A.Cziker, M.Chindriș, **Anca Miron**, *Implementation of fuzzy logic in the management of the artificial lighting systems*, TMT2007, 11th International Research/Expert Conference, "Trends in the development of machinery and associated technology", 5-9 September 2007, Hammamet, Tunisia, pag. 659 - 662, ISBN: 978-9958-617-34-8.

G. Alte lucrări și contribuții științifice



- [1]. **Anca Miron**, Real operating state analysis in modern distribution power networks, Seminar în cadrul proiectului POSTDRU/89/1.5/S/53603 „Research challenges in sustainable development”, martie 2012, Timișoara.
- [2]. **Anca Miron**, M. Chindriș și A. Cziker, *Modern distribution power grids*, Seminar în cadrul proiectului POSTDRU/89/1.5/S/53603, aprilie 2011, Iași.
- [3]. **Anca Miron**, M. Chindriș și A. Cziker, *Instrument virtual pentru identificarea perturbațiilor electromagnetice în rețelele electrice*, Al IX-lea Simpozion Național de Calitatea Energiei Electrice, CEE 2011, Târgoviște, 21 – 22 octombrie 2011, Sesiunea 1 – Monitorizare și indicatori de calitate, lucrarea 1.4, www.electrica.ro/cee_2011.
- [4]. **Anca Miron**, M. Chindriș și A. Cziker, *Efficiency increase of power quality analysis using virtual instrumentation*, WEC REGIONAL ENERGY FORUM – FOREN 2010, Neptun, 13 -17 iunie 2010, lucrarea s3-13-en.
- [5]. A. Cziker, **Anca Miron**, M. Chindris, *Pierderile de putere activă în rețelele actuale de distribuție* Revista Energetica, anul 58, nr. 7/2010, ISSN 1224-1261.
- [6]. M. Chindriș, B. Tomoiaga, A. Cziker, **Anca Miron**, *Object oriented model and program to analyse the unbalanced radial electric networks*, Scientific Bulletin of the Electrical Engineering Faculty – Year 10 No. 1 (12), pp 72-76, ISSN 1843-6188.
- [7]. Tomoiaga, M. Chindriș, A. Cziker, **Anca Miron**, *Program for configuration management of operation schemes on modern electric distribution networks*, WEC REGIONAL ENERGY FORUM – FOREN 2010, Neptun, 13-17 June 2010, Reference no: s3-6-en.
- [8]. A.Cziker, **Anca Miron**, M.Chindris, *A new power factor compensation strategy for highly unbalanced low voltage electrical network*, CIE 2010, Băile Felix, 27-29 Mai 2010, Oradea;
- [9]. **Anca Miron**, M. Chindriș, A. Cziker, *Utilizarea inteligenței artificiale în identificarea perturbațiilor electromagnetice*, Revista Energetica, anul 57, nr. 4/2009.
- [10]. B. Tomoiagă, M. Chindriș, A. Cziker, **Anca Miron**, *Model orientat obiect pentru analiza propagării regimurilor nesimetrice și deformante prin transformatoarele de putere*, Conferința Națională și Expoziția de energetică, CNEE 2009, Sinaia, 21-23 oct. 2009, ISSN: 1843-6005.
- [11]. **Anca Miron**, M. Chindris, A. Cziker, *Analiza interarmonicilor in sistemele electroenergetice*, CEE 2009, Sesiunea 1 – Monitorizarea calitatii energiei electrice, pag. 71- 77, Târgoviște.
- [12]. **Anca Miron**, Andrei Cziker, *Calculul exact al pierderilor de putere în rețelele electrice, o problemă actuală în condițiile liberalizării pieței de energie, "The exact calculus of power losses in power grids, an actual issue in the power market liberalization"*, Energetica, anul 56, nr. 3, martie 2008.
- [13]. **Anca Miron**, M. Chindriș și A. Cziker, *Alegerea conductelor electrice pentru RED de JT dezechilibrate și poluate armonic*, SIEE Cluj-Napoca, 2008, pp.47-54, ISBN 978-973-1758-41-1.
- [14]. A. Cziker, M. Chindriș și **Anca Miron**, *Audit energetic al unei acționări electrice utilizând instrumentația virtuală*, SIEE Cluj-Napoca, 2008, pp. 39-46, ISBN 978-973-1758-41-1.
- [15]. A. Cziker, M. Chindriș și **Anca Miron**, *Pierderi de putere în sistemele de distribuție moderne de jt*, Forumul regional al energiei, FOREN 2008, Neptun, 15 -19 iunie 2008.
- [16]. M. Chindriș, A. Cziker și **Anca Miron**, *Conectarea la rețea a generatoarelor distribuite. Legislația din România*, Forumul regional al energiei, FOREN 2008, Neptun, 15 -19 iunie 2008.
- [17]. M.Chindriș, A.Cziker and **Anca Miron**, *Computation of power losses in public lighting networks*, ILUMINAT 2007, 31 mai-1 iunie, Cluj-Napoca, lucrarea 8, ISBN 978 – 973 – 713 – 177 – 5.
- [18]. A.Cziker, M.Chindriș, **Anca Miron**, *Management of Indoor Lighting Systems Using Fuzzy Controllers*, ILUMINAT 2007, 31 mai-1 iunie, Cluj-Napoca, lucrarea 11, ISBN 978-973-713-177-5.
- [19]. M. Chindriș, A. Cziker, **Anca Miron**, *Propagation of unbalance at different voltage levels*, Conferința de Inginerie Electrică CIE 2007, 7 – 8 iunie 2007, Băile Felix, Oradea, Analele Universității din



Oradea, Fascicula de Energetica Nr.13. Editura Universității din Oradea 2007, ISSN 1224-1261, pag. 205-210.

- [20]. M. Chindriș, A.Cziker, **Anca Miron**, *Analiza propagării perturbațiilor electromagnetice în sistemele electroenergetice*, Al VII-lea Simpozion Național Calitatea Energiei Electrice, CEE 2007, Târgoviște, 11 – 12 Octombrie 2007, pag. 148 – 155.
- [21]. A.Cziker, M.Chindriș, **Anca Miron**, Mihaela Pop, *Utilizarea logicii fuzzy în controlul iluminatului mixt artificial/natural*, Simpozionul Național de iluminat, SINAIA 2007, „Soluții moderne, de calitate pentru un iluminat eficient”, 19 octombrie 2007, Sinaia, pag.48 – 55.
- [22]. A.Cziker, M.Chindriș, **Anca Miron**, *Implementation of a lighting control system based on fuzzy logic*, IFAC Workshop ICPS'07, 9th – 11th June 2007, Convergence of Information Technologies and Control Methods with Power Plants and Power Systems, Mediamira Science Publisher 2007, pag. 135 -140, ISBN 978-973-713-180-5.
- [23]. M. Chindriș, A. Cziker, **Anca Miron**, *Program pentru determinarea pierderilor de putere în rețelele electrice dezechilibrate și poluate armonice*, Simpozionul de Eficiența energetică – editia a V-a, 3 – 5 octombrie 2006, Cluj-Napoca, Romania, pag. 166-174. ISBN:973-686-928-8; 978-973-686-928-0;
- [24]. **Anca Miron**, *Biological Fuel Cells*, Revista NOVICE, <http://www.bel.utcluj.ro/novice/>.