

Universitatea Tehnică din Cluj-Napoca
Facultatea de Inginerie Electrică
Departamentul Electroenergetică și Management.
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LISTA

lucrărilor științifice în domeniul disciplinelor din postul didactic

A – Teza de doctorat

„*Transmiterea perturbațiilor electromagnetice conduse în sistemele electroenergetice*”
conducător științific : Prof.dr.ing.Mircea D. Chindriș
Universitatea Tehnică din Cluj-Napoca
Susținere publică: 30 sept. 2009.

B – Cărți și capitole în cărți publicate în ultimii 10 ani

CĂRȚI

- **Anca Miron**, Andrei C. Cziker - *Utilizări ale energiei electrice. Suport pentru laborator*, Editura U.T. PRESS, Cluj-Napoca, 2018, 178 pg., ISBN: 978-606-737-321-9
- **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
- **Anca Miron**, A. Cziker, M. Chindriș - *Utilizarea energiei electrice, Lucrări practice*, Editura Casa Cărții de Știință, Cluj-Napoca, 2010, 140 pg, ISBN: 978-973-133-371-7
- 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
- **Anca Miron**, M. Chindriș - *Transmiterea perturbațiilor electromagnetice conduse în sistemele electroenergetice*, Editura Casa Cărții de Știință, Cluj-Napoca, 2009, 260 pg., ISBN: 978-973-133-478-3

C – Lucrări indexate ISI/BDI publicate în ultimii 10 ani

c1) Articole / studii publicate în reviste de specialitate de circulație internațională recunoscute (cotate ISI)

- O. Andrei, S. Ungureanu, **A. Miron** and A. C. Cziker, "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.
- **Anca Miron**, A.C. Cziker and S. Ungureanu, "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.

- **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,
- **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
- **Chindriş, M.** [HYPERLINK](https://www.scopus.com/authid/detail.uri?origin=AuthorProfile&authorId=6603481858&zone=)
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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
- **Miron, A., Chindriş, M.** [HYPERLINK](https://www.scopus.com/authid/detail.uri?origin=AuthorProfile&authorId=6603481858&zone=)
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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
- **Miron, A., Cziker, A., Chindriş, 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
- **Miron, A., Cziker, A., Chindriş, M., Sacerdotianu, D.** [HYPERLINK](https://www.scopus.com/authid/detail.uri?origin=AuthorProfile&authorId=15133004800&zone=)
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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,
- **Anca Miron**, M. Chindriş, A. Cziker. Harmonics and interharmonics analysis of power signals using Gaussian filter banks, 49th International Universities Power Engineering Conference (UPEC), pp. 1-6, 2014, WOS:000364087800015
- **Anca Miron**, M. Chindriş, 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, WOS:000331461300021
- **Anca Miron**, M. Chindriş, Andreas Sumper. Monitoring Power Quality in Microgrids Based on Disturbances Propagation Algorithms, Interdisciplinary Research In Engineering: Steps Towards Breakthrough Innovation For Sustainable Development, Book Series: Advanced Engineering Forum, Vol. 8-9, pp. 127-138, 2013, Proceedings Paper, WOS:000323184000015

- **Anca Miron**, M. Chindriș, A. Cziker. Interharmonics Analysis using Fourier Transform and Virtual Instrumentation, The 10th Jubilee International Conference EPQU 2009, Proceedings paper 65, ISBN: 978-1-4244-5172-2, WOS:000274778700022
- **Anca Miron**, A. Cziker, M. Chindriș. Power system modelling using fuzzy logic, The 10th Jubilee International Conference EPQU 2009, Proceedings paper 66, ISBN: 978-1-4244-5172-2, WOS:000274778700023

c2) Studii publicate la conferințe indexate în baze de date internaționale de referință în domeniul (DBLP, ACM, IEEE, SCOPUS)

- **Miron, A.**, Cziker, A.C., Ungureanu, S., Beileu, 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
- **Miron, A.**, Trotskovsky, E., Cziker, A.C., Experienced Students' Errors in Electrical Engineering, Proceedings - Frontiers in Education Conference, FIE, 2020, 2020-October, 9274094
- 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
- **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
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- **Anca Miron** [HYPERLINK "https://ieeexplore.ieee.org/author/37541609900"](https://ieeexplore.ieee.org/author/37541609900), **Andrei C. Cziker;** [HYPERLINK "https://ieeexplore.ieee.org/author/37086886212"](https://ieeexplore.ieee.org/author/37086886212) **Bogariu**, Knowledge-based system for the analysis of voltage fluctuations and flicker. Proceedings of [2019 8th International Conference on Modern Power Systems \(MPS\)](#), 21-23 Mai 2019, Cluj-Napoca, Romania, DOI: [10.1109/MPS.2019.8759673](https://doi.org/10.1109/MPS.2019.8759673), Electronic ISBN: 978-1-7281-0750-9. [IEEE]
- **Miron A.**, Chindris M., Cziker A. Impact of unbalance in harmonic polluted power networks, in SPEEDAM 2012 - 21st International Symposium on Power Electronics, Electrical Drives, Automation and Motion, pp. 674-678, 2012. [IEEE]
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- Cziker A., **Miron A.**, Chindris M. Wind generators impact on power systems, in Journal of Electrical and Electronics Engineering, vol. 3, no. 1, pp. 57-60, 2010. [SCOPUS]
- **Miron A.**, Chindris M., Cziker A. Identification of Electromagnetic disturbances in modern power systems, JSE, Journal of Sustainable Energy, Vol. 3, No. 1, March 2012, pp. 55 – 61 [COPERNICUS]

- Cziker A., **Miron A.**, Chindris M. A new power factor compensation strategy for highly unbalanced low voltage electrical networks, Journal of Sustainable Energy, JSE, 2010. [COPERNICUS]
- **Anca Miron**, A. Cziker, și M. Chindriș, Virtual instrument for capacitors bank dimension, 15th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2011, Journal of Trends in the Development of Machinery and Associated Technology, Proceedings of the International Research/Expert Conference. [EBSCO]
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D – Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți (neindexate)

- Reviste

- Cziker, **Anca Miron**, M. Chindris, *Pierderile de putere activă în rețelele actuale de distribuție* Revista Energetica, anul 58, nr. 7/2010, ISSN 1224-1261, **BDI Copernicus**;
- 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;
- **Anca Miron**, M. Chindriș, A. Cziker, *Utilizarea inteligenței artificiale în identificarea perturbațiilor electromagnetice*, Revista Energetica, anul 57, nr. 4/2009, **BDI Copernicus**
- Chindriș, M., Cziker, A, Miron, A., Sacerdotianu, D., *Small Distributed Renewable Energy Generation for Low Voltage Distribution Networks*, PROBLEMELE ENERGETICII REGIONALE 2 (31) 2016 ELECTROENERGETICĂ, pp. 11-21, http://journal.ie.asm.md/assets/files/02_02_31_2016.pdf.
- A.Cziker, **Anca Miron**, M.Chindris, *Wind generators impact an power systems*. Journal of Electrica land Electronics Engineering, Vol 3, Nr. 1, 2010, pp.57-60, ISSN:1844-6035, **BDI Copernicus, DOAJ**
- **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, **BDI Vinti, DOAJ**, ISSN: 1841 – 3323;
- **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, **BDI Vinti, DOAJ**, ISSN: 1841 – 3323.

- Selecție cu maximum 20 lucrări în volume de conferințe

- **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, **BDI Vinti, DOAJ**, ISSN: 1841 – 3323;
- **Anca Miron**, M. Chindriș, A. Cziker, *Time domain analysis of voltage dips/swells in modern power networks*, 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, **BDI Vinti, DOAJ**, ISSN: 1841 – 3323
- 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
- **Anca Miron**, M. Chindriș, A. Cziker, *Analiza interarmonicilor in sistemele electroenergetice*, CEE 2009, Sesiunea 1 – Monitorizarea calitatii energiei electrice, pag. 71- 77, Targoviste
- **Anca Miron**, A. Cziker, M. Chindriș, *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
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- **Anca Miron**, M. Chindriș și A. Cziker, *Modern distribution power grids*, Seminar în cadrul proiectului POSTDRU/89/1.5/S/53603, aprilie 2011, Iași.
- **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.
- 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.
- **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.
- A. Cziker, **Anca Miron**, M. Chindriș, *Power Quality Indices for Unbalance Characterization in Non-Sinusoidal Condition*, 14th International Research/Expert

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- 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, **BDI Vinti, DOAJ**.
- 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, Volume 51, Number 5, 2010, pp. 104-107, ISSN: 1841-3323, **BDI Vinti, DOAJ**.
- 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, **BDI Vinti, DOAJ**.

E – Brevete obținute pentru întreaga activitate

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