



**TECHNICAL UNIVERSITY
OF CLUJ-NAPOCA**

Electrical Energy Faculty

CURRICULUM VITAE



Personal Information

Name, Surname	ANCA MIRON
Address	21ST UNIRII STREET, AP NO. 6, 400417, CLUJ - NAPOCA, ROMANIA
Phone	(40-264) 401451 0744-494508
E-mail(s)	Anca.miron@enm.utcluj.ro
Nationality	Romanian
Birth date	3 rd of January 1982

Work experience

Dates	From October 2016
Occupation or position held	Associate professor
Type of business or sector	Education and research
Name and address of employer	Electrical power systems and management Dept., Electrical energy Faculty, Technical University of Cluj-Napoca, 28 th Memorandumului Street, 400114, Cluj-Napoca, Romania
Dates	October 2012 - September 2016
Occupation or position held	Lecturer
Type of business or sector	Education and research
Name and address of employer	Electrical power systems and management Dept., Electrical energy Faculty, Technical University of Cluj-Napoca, 28 th Memorandumului Street, 400114, Cluj-Napoca, Romania
Dates	October 2012 – September 2008
Occupation or position held	Teaching assistant
Type of business or sector	Education and research
Name and address of employer	Electrical power systems and management Dept., Electrical energy Faculty, Technical University of Cluj-Napoca, 28 th Memorandumului Street, 400114, Cluj-Napoca, Romania
Dates	2007 – September 2008
Occupation or position held	Research Assistant
Type of business or sector	Education and research
Name and address of employer	Electrical power systems and management Dept., Electrical energy Faculty, Technical University of Cluj-Napoca, 28 th Memorandumului Street, 400114, Cluj-Napoca, Romania

Education and training

Dates	November 2006 – October 2009
Title of qualification awarded	PhD. Degree
Principal subjects/occupational skills covered	Thesis: Transmission of electromagnetic disturbances in power systems, Scientific mentor, Prof.dr.ing. M.D. Chindriș, Technical University of Cluj-Napoca, 2009
Name and type of organization providing education and training	Technical University of Cluj-Napoca, 28 th Memorandumului Street, 400114, Cluj-Napoca, Romania

Dates	October 2001 – July 2006
Title of qualification awarded	Engineer
Principal subjects/occupational skills covered	Electrical energy (Industrial Power Systems)
Name and type of organization providing education and training	Technical University of Cluj-Napoca, 28 th Memorandumului Street, 400114, Cluj-Napoca, Romania

TEACHING ACTIVITIES

WORKING EXPERIENCES

Courses	Study program	Year
Expert systems applications in power systems	Management of Modern Electric Power Systems	1st year Master
Electricity use	Power systems, electrical energy, engineering and management, power electronics	3rd year Bachelor
Applications of artificial intelligence techniques in power systems management	Management of Modern Electric Power Systems	1 st year Master

SCIENTIFIC ACTIVITIES

BOOKS NUMBER	8
RESEARCH PAPERS NUMBER	21 ISI papers and 67 BDI papers, and national conferences
RESEARCH CONTRACTS (COORDINATOR / TEAM MEMBER)	2 research contract as coordinator, and 3 research contracts as member – national competition (European funds), 5 contracts with tertiary (member)

Other studies and activities

Dates	June-July 2011
Field of study	Postdoctoral studies
Name and type of organization providing education and training	Universidad de Barcelona, Barcelona, Spain

Professional skills

Skills and competences	Advanced competences in C, C++, object oriented programming, graphic programming (LabVIEW) Advanced skills in using Microsoft Office, MatLab, MathCAD, ESDA, AutoCAD Conferences organizer (IEECYR2013, MPS 2013, MPS 2011, MPS 2016) Elsevier reviewer diploma
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Language skills

Maternal language Romanian

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Conversation	Oral speech	
English	B1	B2	B2	B2	B1
Italian	A2	A1	A2	A1	A1

Research

National Grants
(max 5 the most representative)

1. *Transmiterea perturbațiilor electromagnetice conduse în sistemele electroenergetice*, Contract TD-216/17.09.08, CNCIS, Ministerul Educației, Cercetării și Tineretului, Autoritatea Națională pentru Cercetare
2. *Sistem adaptiv pentru asigurarea calitatii energiei, prin corectarea parametrilor electrici ai rețelelor de joasa tensiune integrabil în rețelele SMART GRID - (SAMGRID)*, Grant PN-II-PT-PCCA-2013-4-1003
3. Dispozitiv inteligent pentru evitarea rezonanțelor paralel la comutația compensatoarelor capacitive în rețelele trifazate dezechilibrate și poluate armonice, Contract nr. 703PED/2022, Cod proiect: PN-III-P2-2.1-PED-2021-4309, coordonator proiect conf.dr.ing. Băloi Alexandru, Universitatea Politehnica Timișoara.
4. Bursă postdoctorală - *Calitatea energiei electrice în rețelele moderne de distribuție*, Bursă postdoctorală, Contract POSTDRU/89/1.5/S/53603, proiect cofinanțat din Fondul Social European prin Programul Operațional Sectorial pentru Dezvoltarea Resurselor Umane 2007-2013.

Significant books published
in the last 10 years (max 10)

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

Significant papers published
in the last 10 years (max 10)

1. 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
2. Anca Miron, M. Chindriș, 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, DOI: 10.4028/www.scientific.net/AEF.8-9.127
3. Anca Miron, M. Chindriș, A. Cziker, *Utilizarea inteligenței artificiale în identificarea perturbațiilor electromagnetice*, Revista Energetica, anul 57, nr. 4/2009
4. 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;
5. 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;
6. 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;
7. 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;
8. 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;
9. 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.

Cluj-Napoca,

Date: September 2024

Name and signature

Assoc. Prof. PhD. Eng. **Anca Miron**