

INFORMAȚII PERSONALE	Andrei CECLAN
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LOCUL DE MUNCA	Asistent cercetare / Departamentul de Electrotehnica si Masurari / Facultatea de Inginerie Electrica / Universitatea Tehnica din Cluj-Napoca
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EXPERIENTA PROFESIONALA

2015 – prezent	Asistent cercetare
2010 – 2012	Universitatea Tehnica din Cluj-Napoca www.utcluj.ro Initiere si dezvoltare proiecte de cercetare, analize, publicare lucrari stiintifice Tipul sau sectorul de activitate Cercetare, inovare, diseminare
2012 – 2015	Asistent universitar pe durata determinata Universitatea Tehnica din Cluj-Napoca www.utcluj.ro Initiere si dezvoltare proiecte de cercetare, analize, publicare lucrari stiintifice Tipul sau sectorul de activitate Activitati didactice si de cercetare stiintifica
2005 – 2009	Doctorand Universitatea Tehnica din Cluj-Napoca www.utcluj.ro Stagiu de pregatire teza de doctorat Tipul sau sectorul de activitate Activitati de cercetare stiintifica si didactice
2005 – 2020	Inginer consultant S.C Servelect S.R.L www.servelect.ro Initiere si dezvoltare proiecte de evaluare a eficientei energetice in industrie si cladiri Tipul sau sectorul de activitate Eficienta producerii, transportului si utilizarii energiei
2017 – 2019	Presedinte Consiliu de Administratie – doua mandate legal indeplinite Fondul Roman pentru Eficienta Energiei www.free.org.ro Coordonare si administrare Fond
2017 – prezent	Presedinte asociatie profesionala Societatea Auditorilor si Managerilor Energetici din Romania – SAMER www.samer.ro Coordonare si administrare asociatiei profesionale cu peste 200 membri Tipul sau sectorul de activitate Management

EDUCAȚIE ȘI FORMARE

- 2005 – 2009 **Doctor Inginer Titlul de Doctor în Inginerie Electrică: Contribuții la regularizarea unor probleme electromagnetice inverse incorect formulate**
 Universitatea Tehnica din Cluj-Napoca, Facultatea de Inginerie Electrica
- 2005 – 2006 **Diploma Studii aprofundate CAD in Inginerie Electrica**
 Universitatea Tehnica din Cluj-Napoca, Facultatea de Inginerie Electrica
 Modelarea si analiza campului electromagnetice, Probleme inverse
- 2000 – 2005 **Diploma de Inginer**
 Universitatea Tehnica din Cluj-Napoca, Facultatea de Electrotehnica
 Teoria campului electromagnetice, Teoria circuitelor electrice, Masini electrice
- 2007 **Auditor energetic complex**
 Universitatea Politehnica din Timisoara
 Elaborarea auditurilor energetice in industrie si pentru procese tehnologice
- 2016 **Certified Energy Manager – CEM**
 Association of Energy Engineers – USA
 Energy Management in industry, buildings and local communities
- 2010 – 2012 **Masterat – Tehnici de interventie cognitiv-comportamentale validate stiintific**
 Universitatea Babes-Bolyai
 Program de masterat absolvit, fara sustinerea lucrarii de disertatie

COMPETENTE PERSONALE

Limba(i) maternă(e) Romana

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleza	Avansat	Avansat	Avansat C1	Avansat	Avansat
Italiana	Avansat	Avansat	Intermediar A2	Intermediar	Intermediar

Niveluri: A1/2: Utilizator elementar - B1/2: Utilizator independent - C1/2: Utilizator experimentat
 Cadrul european comun de referință pentru limbi străine

Competențe de comunicare

Bune competențe de comunicare dobândite prin:

- experiență didactică (predare cursuri; conducător proiecte diplomă/ disertație (minim 3/an) in ultimii 15 ani)
- participări la conferințe internaționale (peste 20)
- experiență cercetare (coordonator sau membru echipa în proiecte de cercetare)
- stagii de cercetare la universități din străinătate (peste 5)

Competențe organizaționale/manageriale	<ul style="list-style-type: none"> ▪ Coordonator echipe de cercetare si de evaluari energetice si tehnice ▪ Coordonator evaluari audit energetic ▪ Coordonator activitati de management energetic ▪ Coordonator asociatie profesionala cu peste 200 membri ▪ Coordonator consiliu de administratie organism de finantare in eficienta energetica
Competențe dobândite la locul de muncă	<ul style="list-style-type: none"> ▪ Abilitati de delegare responsabilitati; ▪ Acordare feedback si evaluare profesionala; ▪ Evaluari tehnice; ▪ Management de proiect
Competențe informatice	<p>Cunoastere pachete software specializate:</p> <ul style="list-style-type: none"> ▪ Electromagnetism, Circuite, Compatibilitate Electromagnetică (ANSYS, ORCAD, COMSOL, INTERFSTUD, XGSLAB, CDEGS) ▪ Rețele Electrice/Calitatea Energiei (EDSA, Paladin Design) ▪ Matematică, Metode Numerice (MATHCAD, MATLAB, MATHEMATICA)
Permis de conducere	▪ B + C

PREMII/DISTINCȚII

2019	<i>Best European Energy Service Project granted to Technical University of Cluj-Napoca & Cluj-Napoca City Municipality</i> – acordat de CE ESSA – Brussels – Februarie 2019 (premiu echipa LCMN)
2018	<i>AEE Regional Award for Institutional Energy Management Association</i> – acordat de Association of Energy Engineers (AEE) World Energy Engineering Congress – Charlotte, USA, Oct. 2018 (premiu echipa LCMN)
2015	<i>Romanian Energy Award</i> – Premiul Special al Juriului (premiu echipa LCMN)
2008	<i>2nd Prize for Research Projects - Development in priority area: Informational Social Technologies - CEEEx No. 136/2006: Intelligent and active diagnosis and prediction of buildings with resistance structure in a complex polluted environment</i> – DIRECTOR – acordat de CNCSIS (premiu echipa UTCN)
2008	<i>Premierea Cercetării – Articole în Jurnale ISI</i> - acordate prin competiție de către ANCS: ➤ PN-II-RU-PRECISI-2008-2 for: <i>Synthesis Method of an inductive sensor using Tikhonov Regularization Procedure</i> - (International Journal of Applied Electromagnetics – IJAEM Journal).

STAGII SI PARTICIPARI CONFERINTE	<p>EU Commission programme on Energy Efficiency in Sao Paolo, Brazil, 2017; American Council for an Energy Efficient Economy (ACEEE), Baltimore, USA, 2016; Novosibirsk Technical State University, Russian Federation, 2016; West England University, Bristol, U.K 2015; ShanghaiTech University, China, 2014; Universita delle Studi di Napoli, Federico II, Napoli, Italy, 2006, 2007, 2012; Universite des Sciences et Technologies de Lille, France, 2006, 2009; Warsaw University of Technology, Poland, 2007; Technical University of Ostrava, Czech Republic, 2008; Ilmenau University of Technology, Germany, 2008; Czech Technical University of Prague, 2007, 2009; École Polytechnique Fédérale de Lausanne, Switzerland, 2008; "Politehnica" University of Timișoara, 2005, 2007, 2009; Politehnica University of Bucharest, 2008, 2010; Technical University "Gheorghe Asachi" of Iași, 2006, 2010; Illinois University of Technology, Chicago, USA, 2010; Institute of Energy, School of Engineering, Cardiff University, 2010; University of Cagliari, Italy, 2010, 2012; Technical University of Wroclaw, Poland, 2011; University of Coimbra, Portugal, 2011; South Westphalia University of Applied Science, Division Soest, Germany, 2013; Technical University of Vienna, Austria, 2012; Dublin Institute of Technology, Ireland, 2013.</p>
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Proiecte de cercetare / Granturi:

PROIECTE DE CERCETARE IN COMPETITII INTERNATIONALE		
	TITLU	Implicare
1	<i>Meeting the Energy Professionals Skills</i> , 649773 - MENS - H2020-EE-2014-2015/H2020-EE-2014-3-MarketUptake, 2015-2017 www.mens-nzeb.eu	Membru
2	<i>Demand Response in Blocks of Buildings</i> , 696114 - DR-BOB - H2020-EE-2014-2015/H2020-EE-2015-2-RIA, 2016-2019 www.dr-bob.eu	Membru
3	<i>A holistic framework for Empowering SME's capacity to increase their energy efficiency</i> , 847132-SMEmPower Efficiency-H2020-LC-SC3-2018-2019-2020/H2020-LC-SC3-EE-2018, 2019-2022 www.smempower.com	Membru
4	<i>Renewable Cogeneration and Storage Technologies Integration for energy Autonomous Buildings</i> , 815301-RE-COGNITION-H2020-LC-SC3-2018-2019-2020/H2020-LC-SC3-2018-RESTwoStages, 2019-2022 www.re-cognition-project.eu	Membru
5	<i>Enabling new Demand Response Advanced, market oriented and secure technologies, solutions and business models</i> , 774478 – eDREAM – H2020-LCE-2016-2017/H2020-LCE-2017-SGS, 2018-2021 www.edream-h2020.eu	Membru
6	<i>Integrated multi-vector management system for Energy isLANDs</i> , 824388 – eLAND – H2020-LCE-2018-2021, www.elandh2020.eu	Membru
7	<i>Generate energy efficient acting and Results at small & medium enterprises</i> , 894356 – GEAR@SME – H2020-LC-SC3-2018-2019-2020 / H2020-LC-SC3-EE-2019, 2020-2022.	Manager de proiect
8	Member of H2020-LCE-2017-RIA, ID: 774478/ 2018-2021 , <i>Enabling new Demand Response Advanced, Market oriented and Secure Technologies, solutions and business models – eDREAM</i> . www.edream-h2020.eu	Membru

PROIECTE DE CERCETARE IN COMPETITII NATIONALE		
	TITLU	Implicare
1	CNCSIS TE 34/09.08.2010: Modeling, prediction and design solutions, with maximum effectiveness, for reducing the impact of stray currents on underground metallic gas pipelines, 2010-2013 .	Membru
2	CNCSIS AT_224: Optimized construction of electromagnetic devices based on electromagnetic field synthesis in inaccessible heterogeneous environments 2007-2008 .	Membru
3	CEEX, nr. X2C37/2006: The impact of electromagnetic fields on anthropic ecosystems – ICEMECOS, Project Manager: prof. dr. ing. Claudia Popescu (Politehnica University of Bucharest); UTCN partener reprezentant: prof. dr. ing. Dan Doru Micu, 2007-2008 .	Membru
4	CEEX, nr. 6856/2006: Theoretical and experimental research on the behavior of insulating materials in order to develop diagnostic studies and intelligent prediction procedures – MATELIZ, Project Manager: prof. dr. ing. Doina Gavrilă (Politehnica University of Bucharest); UTCN partener reprezentant: prof. dr. ing. Emil Simion, 2008-2009 .	Membru
5	CEEX, nr. 136/2006: Active and intelligent prediction and diagnostics procedures for building with a reinforced structures placed in a complex polluted environment – DIRECTOR, Project Manager: prof.dr. ing. Dorin Isoc (UTCN); UTCN partener reprezentant: prof. dr. ing. Emil Simion, 2008-2009 .	Membru
6	CNCSIS nr. 1279/2006: The influence of electromagnetic fields on operational stability and performance of combustion installations, Project Manager: prof. dr. ing. Emil Simion (UTCN), 2006 .	Membru

PROIECTE DE CERCETARE IN COMPETITII NATIONALE		
	TITLU	Implicare
7	PN-II-ID-PCE-2007-1, nr. ID_1024: Mathematical model to study the influence of AC electromagnetic pollution of underground metal gas pipelines, with or without a cathodic protection system, placed in the vicinity of transformer substations. Project Manager: prof. dr. ing. Emil Simion, 2007 .	Membru
8	PN-II-Nr. 22122/2008: Intelligent diagnosis and prediction system for preventing power cable damages – CABDIAG, Project Manager: ing. Carmen Lingvay (ICPE-CA Bucuresti); UTCN partener reprezentant: prof. dr. ing. Emil Simion, 2008 .	Membru
9	PN-II nr. 51-082/2007: Microwave technologies used to improve the quality of sored agricultural seeds Project Manager: conf. dr. ing. Darie Soproni (University of Oradea); UTCN partener reprezentant: prof. dr. ing. Vasile Iancu, 2007 .	Membru
10	Imbunatatirea tehnologiei de fabricatie a caramizilor "ECO-FRIENDLY" -PN-III-P2-2.1-BG-2016-0203, Nr. 71BG/2016, 2016-2018 .	Membru
11	Grant Post-Doc, Research contract PRiDE , <i>On some procedures of electric and magnetic field synthesis applied to the return stroke current reconstruction</i> . No. POSDRU/89/1.5/S/57083, 2010-2013 .	Manager de proiect
12	Director of TD grant, CNCSIS, no. 532/2007. Duration: 2007-2008 : On some electromagnetic inverse problems solving – concept, software, solenoidal devices.	Manager de proiect
15	Norwegian Bilateral Contract, no. 28407/ 2017 , <i>Enhancing the transfer of research and development methods in energy related clusters from Norway and Romania – EmPower Efficiency</i> .	Membru

PROIECTE DE CERCETARE CU TERTII		
	TITLU	Implicare
1	Energobit, no. 43/ 2012 , Induced electromagnetic interferences in the shielding of power cables.	Membru
2	Romatsa, no. 018/ 2013 , Studies regarding lightning protection of DSNA Cluj and DR București, Section PNA/CNS Cluj equipment's, against overvoltages and electromagnetic impulses.	Membru
3	Contract no. 23990/ 2014-2015 : Inovative research instruments for an energy efficient University, Internal R&D project won by competition inside Technical University of Cluj-Napoca.	Manager de proiect

Carti publicate sau capitole de carti:

1. Dan D. Micu, Laura Dărăbant, Denisa Șteț, M. Crețu, **Andrei Ceclan** & L. Czumbil: *Teoria Circuitelor Electrice. Probleme*, Ed. U.T. Press, ISBN: 978-606-737-140-6, pag. 280, Cluj-Napoca, Romania, **2016**.
2. Dan D. Micu, **Andrei Ceclan**, L. Czumbil & D. Csala: *Numerical Methods*, Ed. Mediamira, ISBN: 978-973-713-278-9, Cluj-Napoca, Romania, **2010**.
3. Dan D. Micu, **Andrei Ceclan**, *Metode numerice. Aplicații în ingineria electrică*, Ed. Mediamira, Cluj-Napoca, ISBN 978-973-713-140-9, **2007**.

Data: 04 Iunie 2020

Andrei CECLAN