

Curriculum Vitae

Personal information

First name(s) / Surname(s) Denisa ŞTEŢ
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 E-mail Denisa.Stet@ethm.utcluj.ro
 Nationality Romanian
 Date of birth 06.02.1978

Work experience

Dates	2002-2006, 2006-2011, 2011 onwards
Name and address of employer	Technical University of Cluj-Napoca, Electrical Engineering Faculty
Occupation or position held	PhD student, Assistant lecturer, Lecturer
Main activities and responsibilities	<ul style="list-style-type: none"> ▪ Teaching – courses/applications (Electromagnetic compatibility, Electrotechnic, Numerical methods) ▪ Research & Development ▪ Member - Numerical Methods Research Laboratory (LCMN) ▪ Students coordinator of the Electrotechnic specialty
Dates	April 2002 – October 2002
Name and address of employer	Energobit SA, Parcul Industrial Tetarom I, Cluj-Napoca, RO 400221
Occupation or position held	Commercial-technical engineer
Main activities and responsibilities	Responsible for preparing models and design specifications for electrical equipment and installations; application of engineering principles and practices appropriate to provide optimum technological solutions
Dates	2001-2002
Name and address of employer	Colegiul Tehnic de Transporturi „Transilvania” Cluj-Napoca, Bistritei Street, no. 21, Cluj-Napoca, RO 40043
Occupation or position held	Professor
Main activities and responsibilities	Teaching courses/applications: Electrotechnics, Technical measurements and evaluations, Electrical machines, Informatics

Education and training

Dates	2002-2010
Title of qualification awarded	PhD Diploma – electrical engineering
Principal subjects/occupational skills	Title of the PhD thesis: Contributions regarding modelling and prediction methods for AC electromagnetic interferences, Scientific coord.: Emil Simion
Name and type of organisation providing education and training	Technical University of Cluj-Napoca, Electrical Engineering Faculty
Dates	2001-2002
Title of qualification awarded	Master diploma
Principal subjects/occupational skills	Computer aided design in electrical engineering

Name and type of organisation providing education and training Technical University of Cluj-Napoca, Electrical Engineering Faculty

Dates 1996-2001

Title of qualification awarded Bachelor degree

Principal subjects/occupational skills Engineer, specialization: General Electrotechnic

Name and type of organisation providing education and training Technical University of Cluj-Napoca, Electrotechnic Faculty

Dates 2013-2014

Title of qualification awarded Diploma of Assessor regarding risks to safety and health at work

Name and type of organisation providing education and training University from Petroșani, Mine Faculty

Personal skills and competences

Mother language(s) Romanian

Other language(s)

Self-assessment

European level (*)

English

French

Understanding

Listening

Very good

Good

Reading

Very good

Good

Speaking

Spoken interaction

Very good

Good

Spoken production

Very good

Good

Writing

Very good

Good

Didactic activity

Teaching Courses Electromagnetic compatibility

Training Mobility

- February-March 2015, University of West of England, Bristol, UK, Power Systems, Electronics and Control Engineering Research Laboratory, Department of Design and Mathematics
- September 2013, Dublin Institute of Technology, College of Engineering & Built Environment,
- September 2012, Brunel University, Electrical Engineering Department, Londra, UK
- February – March 2011, Università degli Studi di Padova, Dipartimento di Ingegneria Elettrica,
- December 2010, Aristotle University of Thessaloniki, Salonica, Grecia
- March-June 2002 Université des Sciences et Technologies, Lille, Franta, TELICE Lab (Erasmus Grant)

Research

National Grants
(max 5 the most representative)

1. **Project manager** CNCSIS de tip Bd, Contribuții la modelarea numerică a interferențelor electromagnetice în echipamente de teste din EMC, Cod CNCSIS 239/2003.
2. **Project manager** CNCSIS de tip Td, Realizarea unui pachet software de modelare și simulare numerică a interferențelor electromagnetice din camere reverberante cu brasaj de formă, Cod CNCSIS 218/2005.
3. **Project manager** POSDRU/159/1.5/S/137516 Soluții de modelare și predicție pentru creșterea siguranței în exploatare a rețelelor electrice de distribuție, prin prevenirea degradărilor cablurilor de energie, 2014
4. **Member in research team:** Grant Parteneriate in domenii prioritare, Sistem de predicție și diagnoză inteligentă pentru creșterea siguranței în exploatare a rețelelor electrice de distribuție, prin prevenirea avariilor la cablurile de energie – CABDIAG, Contract Nr. 22122/2008, Director proiect: ing. Carmen Lingvay (ICPE-CA Bucuresti); Project manager from UTCN: prof. dr. ing. Emil Simion;
5. **Member in research team:** Soluții de modelare, predicție și proiectare, cu maxim de performanță, pentru reducerea impactului curenților de dispersie asupra conductelor metalice subterane de transport gaz, Cod CNCSIS 253/2010, Project manager: Conf. dr. ing. Dan Doru Micu

International Grants
(max 5 the most representative)

Member in research team: Meeting the energy professionals skills H2020-EE-2014-CSA-649773, Responsible partner UTCN Conf. dr. ing. Dan Doru Micu, 2015

Scientific publications 1 book
1 electronic course
More than 70 scientifically papers

Additional information

Awards 2nd prize for research projects granted by Autoritatea Națională pentru Cercetare Științifică for Grant CEEEX, nr. 136/2006: *Diagnoză și predicție inteligentă și activă a construcțiilor cu structura de rezistență în mediul înconjurător complex poluat* – DIRECTOR, Project manager: prof.dr. ing. Dorin Isoc (UTCN); Responsible partner UTCN: prof. dr. ing. Emil Simion;

Membership of Professional Societies Asociația Generală a Inginerilor din România - AGIR

Other relevant activities

- Member in Local Organizing Committee of the 49th International Universities Power Engineering Conference UPEC_2014 (tasks: treasurer and UTC-N/ETHM team coordinator)
- Reviewer: 49th International Universities Power Engineering Conference (2-5.09.2014)

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

Dan D. Micu, L. Creț, D. Duma, *Teoria circuitelor electrice*, Editura UTPress Cluj-Napoca, ISBN 973-662-184-7, 2005

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

1. Levente Czumbil, Dan Micu, Denisa Stet, Georgios Christoforidis, Liviu Ancas, "HVPL Conductor Sag Influence on Induced Voltage Evaluation in Nearby Metallic Structures", in 2013 48TH INTERNATIONAL UNIVERSITIES' POWER ENGINEERING CONFERENCE (UPEC), 2013.
2. Denisa Stet, Levente Czumbil, Liviu Ancas, "Investigation of Electromagnetic Interferences Issues", in 2013 8TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE), 2013.
3. Denisa Stet, Levente Czumbil, Dan Micu, Olivia Miron, "Corosion Evaluation and Mitigation on Metallic Pipelines", in PROCEEDINGS OF THE 2012 INTERNATIONAL CONFERENCE AND EXPOSITION ON ELECTRICAL AND POWER ENGINEERING (EPE 2012), pp. 554-559, 2012.
4. Dan Micu, Levente Czumbil, Georgios Christoforidis, Andrei Ceclan, Denisa Stet, "Evaluation of induced AC voltages in underground metallic pipeline", in COMPEL-THE INTERNATIONAL JOURNAL FOR COMPUTATION AND MATHEMATICS IN ELECTRICAL AND ELECTRONIC ENGINEERING, vol. 31, no. 4, pp. 1133-1143, 2012.
5. Denisa Stet, Dan Micu, Levente Czumbil, Laura Darabant, Andrei Ceclan, "Simulation of interferences between power lines and gas pipelines in unbalanced phase currents state", in COMPEL-THE INTERNATIONAL JOURNAL FOR COMPUTATION AND MATHEMATICS IN ELECTRICAL AND ELECTRONIC ENGINEERING, vol. 31, no. 4, pp. 1178-1189, 2012.
6. Denisa Stet, Dan Micu, Camelia Avram, Laura Darabant, "Combined Methods for Solving Inductive Coupling Problems", in 2011 7TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE), 2011
7. Dan Micu, Levente Czumbil, Andrei Ceclan, Laura Darabant, Denisa Stet, Georgios Christoforidis, "Electromagnetic Interferences between HV Power Lines and Metallic Pipelines Evaluated with Neural Network Technique", in 2009 10TH INTERNATIONAL CONFERENCE ON ELECTRICAL POWER QUALITY AND UTILISATION (EPQU 2009), pp. 131-135, 2009.
8. D. Micu, A. Ceclan, Laura Darabant, Denisa Stet, "Analytical and Numerical Development of the Electromagnetic Interference Between a High-Voltage Power Line and a Metallic Underground Pipeline", in 2009 8TH INTERNATIONAL SYMPOSIUM ON ADVANCED ELECTROMECHANICAL MOTION SYSTEMS (ELECTROMOTION 2009), pp. 416-421, 2009.
9. Dan Micu, Andrei Ceclan, Laura Darabant, Denisa Stet, "Inductive and conductive interference problems for practical cases solved with special interpolation algorithms", in 2008 PROCEEDINGS OF THE 43RD INTERNATIONAL UNIVERSITIES POWER ENGINEERING CONFERENCE, VOLS 1-3, pp. 1051-1054, 2008
10. L. Cret, M. Plesa, D. Stet, R. Ciupa, "Magnetic Coils Design for Localized Stimulation", in 11TH MEDITERRANEAN CONFERENCE ON MEDICAL AND BIOLOGICAL ENGINEERING AND COMPUTING 2007, VOLS 1 AND 2, vol. 16, no. 1-2, pp. 665-668, 2007.

Cluj-Napoca,
date 20.02.2015

Name: Denisa Șteț