

PERSONAL INFORMATION



Lucian Nicolae Tutelea

 Bulevardul Sudului, 42, Timișoara, 300007, Romania

 0356 415 725  0726251964

 lucian.tutelea@upt.ro



 luciantutelea@yahoo.com

Sex male | Date of birth 26/09/1964 | Nationality Romanian

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR

PhD Supervisor habilitation at Doctoral School of University
Politehnica Timișoara

WORK EXPERIENCE

2005-Prezent

Associate Professor

University Politehnica Timișoara, Electrical and Power Engineering Faculty, Piața Victoriei 2, 300006, Timișoara, Romania, www.upt.ro

- Teaching, Research, dissertation committee, students coordinator for graduated and dissertation thesis
- Courses: C language, Microprocessor systems, Optimal design of electrical machines and finite elements analyses, advanced control in powers electronics.

[Business or sector](#) Educations

1999-2005

Lecturer

University Politehnica Timișoara, Electrical and Power Engineering Faculty, Piața Victoriei 2, 300006, Timișoara, Romania, www.upt.ro

- Teaching, Research, dissertation and graduated committee, students coordinator for graduated and dissertation thesis
- Courses: Applications on C++, Microprocessor systems, Optimal design of electrical machines and finite elements analyses, advanced control in powers electronics.

[Business or sector](#) Educations

1995 - 1999

Assistant

University Politehnica Timișoara, , Electrical and Power Engineering Faculty, Piața Victoriei 2, 300006, Timișoara, Romania, www.upt.ro

- Teaching, Research, graduated committee, students coordinator for graduated thesis
- Courses: Microprocessor systems
- Practical activities: Microprocessor systems, Advanced electric drives, Servo drives, Electrical machines

[Business or sector](#) Educations

1992-1995

University junior

University Politehnica Timișoara, Electrical and Power Engineering Faculty, Piața Victoriei 2, 300006, Timișoara, Romania, www.upt.ro

- Teaching, Research,
- Practical activities: Electrical machines

[Business or sector](#) Educations

1989-1992

Trainee Engineer

Electrometal Timișoara, Circumvalațiunii 1, Timișoara Romania, www.eltim.ro

- Investments - Extension foundry section 200
- Trams Design: - Approval chopper tram tests, Approval metro controller tests
- Production: foundry section 200 – mechanical and energy services

Business or sector Investments, Design, Production

EDUCATION AND TRAINING

- 2007 **Brushless dc model development**
Invitat Researcher at Ecole Polytechnique Federale de Lausanne
Laboratoire d'actionneurs intégrés (LAI)
- 2006 **Wind turbine generators**
Invited Researcher at Institute of Energy Technology, Aalborg University, Denmark
- 2004 **Experimental Study oscillatory linear machines**
Invited Researcher at Electric Machine and Devices Department of Hanyang University, Seoul, Korea
- 2002-2003 **High speed generators FEM and MATLAB modeling**
ABB Group Service Center, AB, Corporate Research, Vasteras, Sweden
- 2000 **Four wheel motor in wheel mounted drive for electric vehicle**
Guest Researcher at Institute of Energy Technology, Aalborg University, Denmark
- 1999 **Energy storage in high speed flywheel**
Post Doc at Institute of Energy Technology, Aalborg University, Denmark
- 1997 **Artificial loading of induction machine**
Post Doc at Institute of Energy Technology, Aalborg University, Denmark
- 1992-1997 **PhD on Electrical Engineering**
Polygonal control of the stator flux in ac drives, supervisor Prof. I. Boldea
University Politehnica Timișoara, Electrical and Power Engineering Faculty, Piața Victoriei 2, 300006, Timișoara, Romania, www.upt.ro)
▪ Electrical machines, mechanical vibrations, digital control, PWM power converters
- 1984-1989 **Diploma of Electrical Engineer**
University Politehnica Timișoara, Electrical and Power Engineering Faculty, Piața Victoriei 2, 300006, Timișoara, Romania, www.upt.ro)
▪ Courses: mathematical analysis, special mathematics, chemistry, technology, physics, materials resistances, philosophy, computer programing, drawing, French language, theoretical mechanic, fundaments of electrotechnics, mechanisms, electronic devices and circuits, computers and data processing, electrical and electronic measurements, electric materials, electrical machines, electrical devices, history, numerical methods – finite element, pedagogy, power converters, statistical control and reliability, systems theory and automatic control, thermal and hydraulic machines, science and logics, electrical machines design, electrical energy conversion, production and research activities.
- 1983-1984 **Military Services**
Transmissions

1980-1983 **Baccalaureate Diploma**

Industrial High School Nr. 2 Mediaş, Judeţul Sibiu, - electrical sections

- Courses: mathematical, physics, chemistry, mechanical technologies, electrical installations', Romanian Language and Literature, English language, French Language, history, geography.

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	B1	B1	A2	A2I	B1
Replace with name of language certificate. Enter level if known.					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills good communication skills gained through my experience with students

Organisational / managerial skills

National Research Grant – Director,
Dissertations and licence exams organisations as committee secretary
Practical activities organisations with the students
Chairman at: OPTIM 2010, OPTIM 2014, EPE-PEMC 2012, IECON 2013

Job-related skills

Electrical machines design (induction, synchronous dc excited, synchronous with PM, Axial air-gap)
Finite Element Analyses (OPERA – Vector Field Cobhan, Flux – Cedrat, FEMM)
Elaborate analytical models for electrical machines
Optimal design
Elaborate dynamic models for electrical machines
Electrical machines control

Computer skills

C, C++, MATLAB language programing:
Work with dedicates programs: Vector Field Cobhan, Flux – Cedrat, FEMM, Pspice, Autocad
Microcontrollers programing
Using Microsoft Office™,
html - Knowledge

Other skills

Electrical devices reparation

Driving licence

B

Publications

ADDITIONAL INFORMATION

One book in CRC press,
4 books in Romanian with ISBN,
5 books for students practical activities,
7 research reports at Aalborg University,
92 papers where 9 in ISI Journal, 37 in ISI conference, 82 in BDI (including the ISI paper),
3 inventions brevets

Projects Research Grant type A – **Director**

- New electrical drives for refrigeration's - low cost and efficiency increasing, **58GR/19.05.2006 tema 18, CNSCIS, 10000RON**
- New electrical drives for refrigeration's - low cost and efficiency increasing, **76GR/23. 05. 2007 tema 37, CNSCIS, 14000RON**

One International Grant FP7 – member
Nine national grants – member
Eight international projects – member

Invited Professor Synchronous generators design Hyosung, South Korea – 2012

Memberships IEEE members

Research impact:
ISI 118 citations without self-citations,
H –index: 5.

Scopus 234 citations,
H – index: 8,

Google scholar 534 citations
H – index 11

ANNEXES

- publications list;
- minimal conditions – verification's sheet;
- Copy of PhD Diploma