



## Europass Curriculum Vitae

### Personal information

**First name(s) / Surname(s)** **Silaghi / Helga Maria**  
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**Nationality** romanian  
**Date of birth**  
**Gender** F

### Work experience

<b>Dates</b>	September 2011 – till now
<b>Occupation or position held</b>	Head of department, Professor Doctor Engineer
<b>Main activities and responsibilities</b>	Teaching and research activities in electrical drives and automatics, management of the department
<b>Name and address of employer</b>	University of Oradea, Universitatii Str, Nr.1, Oradea, Romania
<b>Type of business or sector</b>	Head of Control Systems Engineering and Management Department
<b>Dates</b>	October 2003 – September 2011
<b>Occupation or position held</b>	Head of department, Professor Doctor Engineer
<b>Main activities and responsibilities</b>	Teaching and research activities in electrical drives and automatics, management of the department
<b>Name and address of employer</b>	University of Oradea, Universitatii Str, Nr.1, Oradea, Romania
<b>Type of business or sector</b>	Head of Electrical Drives and Automation Department
<b>Dates</b>	October 2000 – September 2003
<b>Occupation or position held</b>	Head of department, Associate Professor Doctor Engineer
<b>Main activities and responsibilities</b>	Teaching and research activities in electrical drives and automatics, management of the department
<b>Name and address of employer</b>	University of Oradea, Universitatii Str, Nr.1, Oradea, Romania
<b>Type of business or sector</b>	Head of Electrical Drives and Automation Department
<b>Dates</b>	March 1996 – September 2000

Occupation or position held | Lecturer Engineer  
 Main activities and responsibilities | Teaching and research activities in electrical drives and automatics  
 Name and address of employer | University of Oradea, Universitatii Str, Nr.1, Oradea, Romania  
 Type of business or sector | Electrical Drives and Automation Department

Dates | September 1993 – February 1996

Occupation or position held | Assistant Professor Engineer  
 Main activities and responsibilities | Teaching and research activities in electrical drives and automatics  
 Name and address of employer | University of Oradea, Universitatii Str, Nr.1, Oradea, Romania  
 Type of business or sector | Electrical Drives and Automation Department

Dates | September 1992 – August 1993

Occupation or position held | Tutor Engineer  
 Main activities and responsibilities | Teaching and research activities in electrical drives and machines  
 Name and address of employer | University of Oradea, Universitatii Str, Nr.1, Oradea, Romania  
 Type of business or sector | Electrical Drives and Automation Department

## Education and training

Dates | 2010

Title of qualification awarded | Certificate of completion of training program "Improving University Management"  
 Principal subjects/occupational skills covered | Service & Support candidates for student academic support, career planning and guidance, counseling and support services, relations with students, fees and funding, Student Community, social engagement, culture, sports, Alumni  
 Name and type of organisation providing education and training | Center of Competence in Academic Management Politehnica University of Timisoara, Romania  
 Level in national or international classification | ISCED level 6

Dates | April 1994 - December 1999

Title of qualification awarded | PhD in Electrical Engineering  
 Principal subjects/occupational skills covered | Contributions regarding the power flows in electric drive systems with induction machine and their effect regarding to energy quality  
 Name and type of organisation providing education and training | University of Oradea, Oradea, Romania  
 Level in national or international classification | ISCED level 8

Dates | From September 1985 to July 1990

Title of qualification awarded | Diplomat Engineer  
 Principal subjects/occupational skills covered | Electrotechnics/ Electrical Drives specialization

Name and type of organisation providing education and training	Polytechnical Institute Traian Vuia Timisoara, Faculty of Electrotechnics , Romania																																																	
Level in national or international classification	ISCED level 5																																																	
Dates	From September 1981 to June 1985																																																	
Title of qualification awarded	Baccalaureate Diploma																																																	
Principal subjects/occupational skills covered	Mathematics-Physics -Informatics/ Operator, Analyst, Programmer																																																	
Name and type of organisation providing education and training	High school Mathematics-Physics Nr.1, Timisoara, Romania																																																	
Level in national or international classification	ISCED level 4																																																	
<b>Personal skills and competences</b>																																																		
Mother tongue(s)	Romanian																																																	
Other language(s)																																																		
Self-assessment <i>European level (*)</i>	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="4">Understanding</th> <th colspan="4">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>C2</td><td>Proficient user</td> <td>C2</td><td>Proficient user</td> <td>C1</td><td>Proficient user</td> <td>C1</td><td>Proficient user</td> <td>C1</td><td>Proficient user</td> </tr> <tr> <td>B2</td><td>Independent user</td> <td>B2</td><td>Independent user</td> <td>B2</td><td>Independent user</td> <td>B1</td><td>Independent user</td> <td>B1</td><td>Independent user</td> </tr> </tbody> </table>										Understanding				Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production				C2	Proficient user	C2	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user	B2	Independent user	B1	Independent user	B1	Independent user
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<b>English Language</b>																																																		
<b>German Language</b>																																																		
<i>(*) Common European Framework of Reference for Languages</i>																																																		
Social skills and competences	Communication and teamwork, skills acquired over the 30 years in the department and especially the last 22 years as head of department																																																	
Organisational skills and competences	Teaching and scientific organization, the meetings of department, organization of national conferences / international scientific journals publishing, and maintaining laboratory equipment operation of existing equipment, member of the editorial board of faculty journals, preparation curriculum, evaluation report, Management of Electrical Drives and Automation Department, Management of Control Systems Engineering and Management Department																																																	
Technical skills and competences	Electrical machines and drives Control of electrical drives Energy quality in electrical drive systems																																																	
Computer skills and competences	PC operating and using professional programs of design, simulation, supervision, technical use of computing, acquired in teaching, research and management activities Internet abilities																																																	
Artistic skills and competences	Fiddle, gymnastics, modern dance and german folk dances																																																	
Other skills and competences	Team spirit, personal involvement, acquired in teaching, research and management																																																	
Driving licence	Driving licence B category, since 1991																																																	

## Additional information

1. Books:20; first author:8
2. Scientific papers: 129; 35 in ISI indexed scientific journals and ISI Proceedings, 54 in IDB indexed scientific journals, 39 in conferences volumes
3. Programs/Grants/Projects: 8

Member of professional associations:

- ❖ IEEE
- ❖ IEEE Robotics & Automation Society
- ❖ IEEE Control Systems Society
- ❖ IEEE Industry Applications Society
- ❖ SRAIT Automatics and Technical Informatics Romanian Society
- ❖ AGIR General Association of Engineers from Romania
- ❖ AIEER Association of Electrical and Electronics Engineers from Romania