



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

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

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|--|---|------------------|---------|------------------|--------------------|------------------|-------------------|------------------|----------------|------------------|
| 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 | | | | | | | | | |
| Personal skills and competences | | | | | | | | | | |
| Mother tongue(s) | Romanian | | | | | | | | | |
| Other language(s) | | | | | | | | | | |
| Self-assessment <i>European level (*)</i> | | | | | | | | | | |
| English Language | | | | | | | | | | |
| German Language | | | | | | | | | | |
| | 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 |
| | <i>(*) Common European Framework of Reference for Languages</i> | | | | | | | | | |
| Social skills and competences | Communication and teamwork, skills acquired over the 28 years in the department and especially the last 19 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: 121; 29 in ISI indexed scientific journals and ISI Proceedings, 53 in IDB indexed scientific journals, 39 in conferences volumes
3. Programs/Grants/Projects: 12

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