



Europass Curriculum Vitae

Personal information

Surname(s) / First name(s) POP Horațiu-Lucian
Address(es) National University of Science and Technology POLITEHNICA Bucharest, Faculty of Mechanical Engineering and Mechatronics
Splaiul Independentei 313, Sector 6, Bucharest, RO-060042, Romania, Building CG, Room CG004
Telephone(s)
E-mail(s) horatiu.pop@upb.ro
Nationality(-ies) Romanian
Date of birth

Work experience

| | |
|--------------------------------------|--|
| Dates | October 2004 - present |
| Occupation or position held | Assistant Professor |
| Main activities and responsibilities | Seminars and laboratory |
| Name and address of employer | University POLITEHNICA of Bucharest, Faculty of Mechanical and Mechatronics Engineering, Chair of Applied Thermodynamics, Thermal and Refrigeration Machines |
| Type of business or sector | Education, research |
| Dates | October 2012 - present |
| Occupation or position held | Lecturer |
| Main activities and responsibilities | Courses, Seminars and laboratory |
| Name and address of employer | University POLITEHNICA of Bucharest, Faculty of Mechanical and Mechatronics Engineering, Chair of Applied Thermodynamics, Thermal and Refrigeration Machines |
| Type of business or sector | Education, research |
| Dates | October 2016 - present |
| Occupation or position held | Associate professor |
| Main activities and responsibilities | Courses, Seminars and laboratory |
| Name and address of employer | University POLITEHNICA of Bucharest, Faculty of Mechanical and Mechatronics Engineering, Chair of Applied Thermodynamics, Thermal and Refrigeration Machines |
| Type of business or sector | Education, research |
| Dates | June 2012 - present |
| Occupation or position held | Director |
| Main activities and responsibilities | Research management |
| Name and address of employer | University POLITEHNICA of Bucharest, Faculty of Mechanical and Mechatronics Engineering, Thermal Research Center |
| Type of business or sector | Research |
| Dates | October 2016 - present |
| Occupation or position held | Vice Dean responsible with the social problems of the students |
| Main activities and responsibilities | Management |
| Name and address of employer | University POLITEHNICA of Bucharest, Faculty of Mechanical and Mechatronics Engineering |

Scientific activity

Publications

7 published books
37 papers published in specialized Magazines indexed ISI or BDI
10 papers published in national CNCSIS recognized Magazines
1 paper published in a national recognized Magazine
20 papers published in Conference Proceedings indexed ISI and BDI
16 papers published in International Conference Proceedings
8 papers published in National Conference Proceedings
1 Utility Model awarded by de OSIM
2 Patent application forwarded to OSIM
h index SCOPUS – 6
h index Google Scholar – 8
h index Web of Science – 5

Research and grants

Director of 4 research Grant with industrial partner
Team member in 10 Research Grants founded by the Romanian Government
Team member in 3 POSDRU grants
Team member in 1 ERASMUS Grant

Scientific communications and reports

4 scientific communications and 2 reports during PhD studies
128 papers presented at Student scientific communications

Education and training

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|--|--|
| Dates | 2005-2012 PhD studies |
| Title of qualification awarded | PhD |
| Principal subjects/occupational skills covered | Applied Thermodynamics, Refrigeration systems, Thermal systems Thesis Title according to the scientific research program: „Optimisation of vapour compression refrigeration systems based on real irreversible thermodynamic processes” |
| Name and type of organisation providing education and training | University POLITEHNICA of Bucharest, Faculty of Mechanical and Mechatronics Engineering, Chair of Applied Thermodynamics, Thermal and Refrigeration Machines |
| Level in national or international classification | - |
| Dates | 2004-2005 Master Studies |
| Title of qualification awarded | Master Diploma in Mechanical Engineering |
| Principal subjects/occupational skills covered | Applied Thermodynamics, Refrigeration systems, Thermal systems |
| Name and type of organisation providing education and training | University POLITEHNICA of Bucharest, Faculty of Mechanical and Mechatronics Engineering, Chair of Applied Thermodynamics, Thermal and Refrigeration Machines |
| Level in national or international classification | - |
| Dates | 1999-2004 Bachelor studies in Mechanical Engineering |
| Title of qualification awarded | Engineering Diploma - specialisation: Mechanical Engineer |
| Principal subjects/occupational skills covered | Thermodynamics, Refrigeration Systems, Steam boilers, Internal combustion engines |
| Name and type of organisation providing education and training | University POLITEHNICA of Bucharest, Faculty of Mechanical and Mechatronics Engineering |
| Level in national or international classification | - |
| Dates | 1995-1999 |
| Title of qualification awarded | High School Degree – Specialization Mathematics, Physics, Bilingual intensive |

Numele și tipul instituției de învățământ
/ furnizorului de formare

Theoretical High School „Vasile Lucaciu”, Baia Mare, Maramureș

Personal skills and competences

Mother tongue(s)

Romanian

Other language(s)

Self-assessment

European level (*)

English

French

| Understanding | | | | Speaking | | | | Writing | |
|---------------|------------------|---------|------------------|--------------------|------------------|-------------------|------------------|---------|------------------|
| Listening | | Reading | | Spoken interaction | | Spoken production | | | |
| C1 | Proficient user | C1 | Proficient user | C1 | Independent user | C1 | Independent user | C1 | Independent user |
| B2 | Independent user | B2 | Independent user | B1 | Independent user | B1 | Independent user | A2 | Basic user |

(*) [Common European Framework of Reference for Languages](#)

Other Diplomas and Certificates

Graduation Certificate of the postgraduate course of psycho-pedagogical and methodical training, Series E, no. 16718/843/30.05.2005.

Diploma of Industrial Property Counselor for Invention Patents, no. 496 from 16.07.2009 issued by State Office for Inventions and Trademarks.

Graduation Certificate for Project Manager Occupation Course, Series F, no. 0156381 from 24 September 2010, Issued by the Ministry of Labor, Family and Equal Opportunities and by the Ministry of Education, Research and Youth.

Diploma for obtaining the silver medal at the Geneva International Salon of Inventions, for the invention Recuperative heat pipe burner, 8th of April 2010, Geneva.

Graduation Certificate of WIPO Sub Regional Workshop on Technology Transfer and Successful Technology Licensing (STL) organized by The World Intellectual Property Organization (WIPO) in collaboration with State Office for Inventions and Trademarks (OSIM), Sibiu, Romania, 10-12 may 2010.

Graduation Certificate of Training ip4inno courses, 2-3 November 2010 Vienna, organized by European Patent Academy and the European Patent Office.

Social skills and competences

team spirit;
good ability to adapt to multicultural environments, gained through my work experience in National and European Research and Educational Programs;
good communication skills gained through my work with students

Organisational skills and competences

good experience in Research grants management

Technical skills and competences

Operation of laboratory equipment

Computer skills and competences

good command of Microsoft Office™ tools (Word™, Excel™ and PowerPoint™);
good command of MathCAD, AutoCAD; EES; RefProp

Artistic skills and competences

Photography

Other skills and competences

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Driving licence

Category B since 2007

Additional information

Member of the Romanian Society of Thermotechnicians - SRT
2008 – present Technology Transfer (patents) consultant for University POLITEHNICA of Bucharest
2010 – co – founder of APTEMA organization
2018 – co – founder of student association UPB DRIVE