

## Europass Curriculum Vitae



### Personal information

First name(s) / Surname(s) **Ilare BORDEAȘU**

Address(es)

Telephone(s)

Fax(es)

E-mail

Nationality **Romanian**

Date of birth **2 [REDACTED]**

Gender **Male**

Desired employment / Occupational field **Polytechnic University of Timisoara / Technical Higher Education**

### Work experience

- Dates
- **2008 – present: supervisor (Ph.D) in Mechanical engineering** (8 people have obtained the Phd title; 6 people are PhD students in the internship)
  - **February 2007- present: Professor** at Polytechnic University of Timisoara, Faculty of Mechanical Engineering, Department of Hydraulic Machinery;
  - **October 1998- February 2007: Associate professor** at Polytechnic University of Timisoara, Faculty of Mechanical Engineering, Department of Hydraulic Machinery;
  - **October 1994-October 1998: Lecturer** at Polytechnic University of Timisoara, Faculty of Mechanical Engineering, Department of Hydraulic Machinery;
  - **October 1990-October 1994: Assistant professor** at Polytechnic University of Timisoara, Faculty of Mechanical Engineering, Department of Hydraulic Machinery;
  - **September 1988- October 1990 ; Assistant** at Polytechnic University of Timisoara, Faculty of Mechanical Engineering, Department of Hydraulic Machinery;
  - **September 1985-1988: Engineer and designer** at "Electrotimiș" Timisoara;

*Note: The academic ranks are written according to romanian hierarchy system!*

Occupation or position held

**Main activities and responsibilities** - **Head of Department** Mechanical Machines, Equipment and Transportation (2020-present), **Head of Department** of Hydraulic Machinery (2008 -2012), **Scientific Secretary** Department of Hydraulic Machinery (2004-2008), **Head of Hydraulic Machinery laboratory**(1996-2008), **Member of Department Office** of Machines, Mechanical, Equipment and Transportation (2008 - present), **Head of the workshop** for repairing and maintenance the hydraulic machines (1996-2008), **Member of Professional council** of the Faculty of Mechanical Engineering(2000), **Member of Senate** of the Polytechnic University of Timișoara (2008 - present);

- **President of the Free Trade Union of UPT (2004 -), Vice President of the National Trade Union Federation ALMA MATER (2008 -),** Vice-president, Member of the Executive Office of the National Trade Union Federation ALMA MATER- responsible for western area (2004 -present), **President of the Free Trade Union of UPT- Faculty of Mechanical Engineering**(2000-2008), member of UPT Free Trade Union Council (1998 -present);

**Name and address of employer** Polytechnic University of Timisoara, street: P-ța Victoriei nr. 2, postcode: 300006, city Timișoara, country: Timiș Romania

**Type of business or sector** -Technical Higher State Education

### Education and training

**Dates**

- 1997: Get the title (Phd) **Engineering doctor in engineering science**, at Polytechnic University of Timisoara,(degree series P, nr. 0000557)
- 1990-1997: PhD courses,
- 1980-1985: Polytechnic Institute "Traian-Vuia" of Timisoara, Faculty of Mechanical Engineering, Department of Hydraulic and pneumatic Machinery,
- 1974-1978: Industrial High School number 1 of Drobeta Tr. Severin, County Mehedinți. Romania
- 1966-1974: General school with 8 classes (primary and secondary school), of Burila -Mică, County Mehedinți; Romania

**Title of qualification awarded**

**Principal subjects/occupational skills covered** Fluid mechanics, hydraulic turbines, pumps and pumping stations, hydraulic machinery manufacturing technology, cavitation, hydraulic and pneumatic actuators and controls, Wind turbine / researcher, designer and technologist in turbo-machines, wind aggregates, hydraulic drive systems and cavitation

**Name and type of organisation providing education and training** Polytechnic University of Timisoara

**Level in national or international classification** PhD engineer

### 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	
<b>English</b>	C2 Independent user	C2 independent user	B2 independent user	B2 independent user	B2 independent user
<b>French</b>	B1 Experienced user	B1 Experienced user	B1 Experienced user	B1 Experienced user	B1 Experienced user

(\*) Common European Framework of Reference for Languages

**Social skills and competences**

- Team spirit gained by team working in design and research programs
- Good communication skills gained through my experience as a university lecturer and as an active participant in symposiums and professional conferences;
- Ability to adapt to different social and cultural environments obtained through the work experience in industry and as a professor.

Organisational skills and competences	<p>2012 – present: member CNATDCU (17 Committee - Mechanical Engineering, Mechatronics and Robotics):</p> <p>2003 – present: Expert evaluator CNCSIS 2003,</p> <p>2008-present: Expert ARACIS</p> <p>2007 –present: Member of the General Association of Engineers in ROMANIA</p> <p>2007 - present Member of the Association of Hydraulics Engineers in Romania, branch of Timișoara</p> <p>1990 – present: Member of the board of directors of the Professional Association "PROCATEDRA"</p> <p>2019-present Scientific Reference International Journal of Multiphase Flow</p> <p>2019-present Scientific Reference for Journal of Surface &amp; Coatings Technology</p> <p>2018-present Scientific Reference for Journal of Ultrasonics - Sonochemistry</p> <p>2018-present Scientific Reference for Journal of CORROSION SCIENCE</p> <p>2017-present Scientific Reference for WEAR</p> <p>2015-present Scientific reference for Journal of Materials &amp; Design</p> <p>2014-present: member of the Scientific Reference Committee of the journal "Hydraulics" Magazine of Hydraulics, Pneumatics, Tribology, Ecology, Sensorics, Mechatronics, ISSN 1453 - 7303</p> <p>2007 –2010: Member ASTM Technical Committee G02 on Wear and Erosion Subcommittee G02.10 on Erosion by Solids and Liquids, Task Group on revision of Method G32 ("cavitation Erosion using Vibratory Apparatus")</p> <p>2000 -present Member of editorial Board and scientific reviewer of Journal of "MATERIALE PLASTICE" (Plastic materials) (ISI Journal) (2007 -);</p>
Technical skills and competences	Materials, heat treatments, manufacturing technologies, mathematics,
Computer skills and competences	- advance user of all Microsoft Office tools (Word, Excel, Power-Point, etc.) and other programs for calculation, text, design or photo;
Other skills and competences	<p>- Solve the disputes through mediation, ability gained from positions held during the military service, the university and the union movement;</p> <p>- Skills in project writing and project management</p>
Driving licence	Driving licence type B (car)

## Additional information

### Innovative activity and publishing:

- Inventions: 1
- Innovations: 3
- Handbooks and courses ISBN: 10 (on 2 first author and one another 2 sole author)
- Guiding books for laboratory and design: 2 (1 first author)
- Collection of problems: 1
- Papers published in specialized journals: 231 (57 in ISI Journals, 53 BDI Journals and 121 recognized journals by CNCSIS)
- Papers published in conferences, congresses, symposiums: 208 (50 in ISI conferences proceedings, 32 volumes of international conferences and symposiums organized abroad, 45 at international conferences organized in Romania and 81 at national conferences.
- WEB of Science-ISI (total number of papers 107, into 259 am cited, sum of citations 465, without self-citations 284, rata de citare 4.35, HIRSCH index  $h = 14$ )
- Scopus (Total number of works 111, sum of citations 525, without self-citations 293, HIRSCH index  $h = 14$ )
- Google Scholar (citation sum 670, HIRSCH index  $h = 13$ )

### Participation in contracts:

- Research (Grants and in other national programs): 44 from which in charge to 14 (all CNCSIS grants with MEC);
- research with others: 20 from which in charge on subject to 6
- Execution of items: 5 from which in charge to 2
- programs / projects / international contracts: 3
- Awards and medals: Gold Medal at the International Exhibition of inventions of Genova (April 2007); Silver Medal at the International Salon of inventions and new technologies "INVENTIKA" in Bucharest (2-6 October 2007), Gold Medal at the International Centre business and technological inventions in Brussels (2008), Certificate of Deserving (City Hall SEBEŞ-ALBA-30-31 may 2008), Distinction of deserving (branch of Cluj-05.06.2009) Jubilee Medal (Faculty of Mechanical and Electrical Engineering of Petrosani -05.15.2007), 2 excellence Awards for "CARTEA TEHNICA" (TECHNICAL BOOK) 2009 (Timis branch-09.14.2009)
- President to commission at the final High school exam: 18
- Member of the committee for admission to PhD: 19
- Member of the board of exams and papers of the PhD internship: 32
- Member of PhD committees support: 10
- Member of the committee to support teaching Grade 1: 8

### Annexes

- It may present on request, copies of any certificate or document to which reference was made.

04.02.2020 Timisoara