

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Ilare BORDEAȘU**
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Nationality Romanian
Date of birth 24 April 1959
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 ()*

Understanding

Speaking

Writing

Listening Reading Spoken interaction Spoken production

English C2 Independent user C2 independent user B2 independent user B2 independent user B2 independent user

French B1 Experienced user B1 Experienced user B1 Experienced user B1 Experienced user B1 Experienced user

(*) [Common European Framework of Reference for Languages](http://www.cedefop.europa.eu/en/faq/3330)

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 CNCISIS 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 & 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 & 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 SEBEȘ-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

