



## Curriculum vitae Europass



### Personal information

Name / Surname

**Boroiu Andrei-Alexandru**

Address

Phone

E-mail

andrei.boroiu@upb.ro

Nationality

Romanian

Date of Birth

September 8, 1988

### Professional experience

Period

October 2018 – present

Position or position held

**Lecturer** (Oct. 2018 – Feb. 2023); **Associate Professor** (Feb. 2023 – present)

Main activities and responsibilities

Teaching activity at:

- Road Vehicles Bachelor's Degree Program (Road Traffic and Road Safety);
- Bachelor's degree program *Transport and Traffic Engineering* (Road Traffic and Road Traffic Safety, Transport Flows, Transport Geography, Intelligent Transport Systems, Industrial Transport);
- Master's program *Transport and Road Safety* (Road Traffic Theory, Regulations and Legislation in Transport, Road Infrastructure, Transport Management, Transport Communications).

Research activities in the field of Transport Engineering (Road Traffic Modeling, Public Transport, Road Infrastructure).

Employer's name and address

NATIONAL UNIVERSITY OF SCIENCES AND TECHNOLOGY POLYTECHNIC BUCHAREST – Pitesti University Center, Faculty of Mechanics and Technology (FMT), Department of Motor Vehicles and Transport; Târgu din Vale no. 1, Pitesti, ARGEŞ, 110040;

Type of activity/sector of activity

Teaching and research/university education activities;

Period

March 2017 – September 2018

Position or position held

**Times Engineer**

Main activities and responsibilities

Design of time norms for technological flows in the manufacture of automotive electrical wiring;

Employer's name and address

S.C. LEAR CORPORATION ROMANIA SRL Piteşti

Type of activity/sector of activity

Design of automotive components manufacturing processes

Period

February 2014 – February 2017

Position or position held

**R&D Engineer**

Main activities and responsibilities

Design of automotive electrical wiring;

Employer's name and address

S.C. LEONI WIRING SYSTEM SA Piteşti

Type of activity/sector of activity

Design of automotive components

<b>Management experience</b>	
Period	June 2024 – present
Position or position held	<b>Vice-Dean</b> , Faculty of Mechanics and Technology
Main activities and responsibilities	Management universitar
Employer's name and address	NATIONAL UNIVERSITY OF SCIENCES AND TECHNOLOGY POLYTECHNIC BUCHAREST – Pitesti University Center, Faculty of Mechanics and Technology (FMT), Department of Motor Vehicles and Transport; Târgu din Vale no. 1, Pitesti, ARGEŞ, 110040;
Type of activity/sector of activity	Higher education
<b>Education and training</b>	
Period	<b>2021</b>
Qualification / diploma obtained	<b>Entrepreneurial skills trainer</b> , postgraduate course in the field of <i>Educational Sciences</i>
Name and type of educational institution	University of Pitesti
Period	<b>2013 - 2017</b>
Qualification / diploma obtained	<b>Doctor of Engineering</b> , in the field of <i>Automotive Engineering</i> : Title of the doctoral thesis: <i>Studies and research on the reduction of noise pollution produced by motor vehicles through the organization of road traffic</i>
Name and type of educational institution	University of Pitesti
Period	<b>2014</b>
Qualification / diploma obtained	<b>Psycho-pedagogical module level II</b>
Name and type of educational institution	University of Pitesti, Department for Teaching Staff Training
Period	<b>2011– 2013</b>
Qualification / diploma obtained	<b>Master's degree</b> in <i>Transport Engineering; Transport Logistics</i> (general average: 9.27 – valedictorian, out of 27 graduates; average at the dissertation exam: 9.75) Title of the dissertation: <i>Road transport – aspects regarding the internalization of external costs</i>
Name and type of educational institution	POLITEHNICA University of Bucharest, Faculty of Transport
Period	<b>2011</b>
Qualification / diploma obtained	<b>Bachelor's degree</b> in <i>Transport Engineering</i> ; study program <i>Transport and Traffic Engineering</i> (average at the bachelor's exam: 9.90) Title of the Bachelor's Degree Project: <i>Studies and Research for the Improvement of Public Passenger Transport in the Pitesti – Vede area. Formulation of proposals for the future program of passenger transport through regular services Arges 2013</i>
Name and type of educational institution	POLITEHNICA University of Bucharest, Faculty of Transport

Period	<b>2010</b>																																																
Qualification / diploma obtained	<b><i>Psycho-pedagogical module level I</i></b>																																																
Name and type of educational institution	University of Pitesti, Department for Teaching Staff Training																																																
Period	<b>2007 – 2011</b>																																																
Qualification / diploma obtained	<b>Graduate</b> of the Bachelor's degree program in <i>Transport and Traffic Engineering</i> , in the field of <i>Transport Engineering</i> (general average: 9.81 – head of class, out of 86 graduates)																																																
Name and type of educational institution	Universitatea din Pitești (2009: stagiu de un semestru la Institut Superior de l'Automobile et des Transports Nevers-France)																																																
Period	<b>2003– 2007</b>																																																
Qualification / diploma obtained	<b><i>Baccalaureate</i></b>																																																
Name and type of educational institution	"Maria Teiuleanu" Economic College in Pitesti (average at the baccalaureate exam: 9.52)																																																
Mother tongue	Romanian																																																
Known foreign languages	English, French																																																
Self-assessment	<table border="1"> <thead> <tr> <th colspan="4">Understanding</th> <th colspan="4">Speech</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Join the conversation</th> <th colspan="2">Oral Speech</th> <th colspan="2">Written expression</th> </tr> </thead> <tbody> <tr> <td>C1</td><td>Experienced user</td> <td>B2</td><td>Experienced user</td> <td>C1</td><td>Experienced user</td> <td>C1</td><td>Experienced user</td> <td>B2</td><td>Experienced user</td> </tr> <tr> <td>B2</td><td>Independent user</td> <td>B2</td><td>Experienced user</td> <td>B1</td><td>Independent user</td> <td>B1</td><td>Independent user</td> <td>B1</td><td>Independent user</td> </tr> </tbody> </table>									Understanding				Speech				Writing		Listening		Reading		Join the conversation		Oral Speech		Written expression		C1	Experienced user	B2	Experienced user	C1	Experienced user	C1	Experienced user	B2	Experienced user	B2	Independent user	B2	Experienced user	B1	Independent user	B1	Independent user	B1	Independent user
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B2	Independent user	B2	Experienced user	B1	Independent user	B1	Independent user	B1	Independent user																																								
English language	C1: Experienced user - B2: Independent user - C1: Experienced user																																																
French language	B2: Independent user - B2: Experienced user - B1: Independent user - B1: Independent user																																																
Social skills and abilities	<ul style="list-style-type: none"> <li>• Communicate;</li> <li>• Team spirit;</li> <li>• Tenacity;</li> <li>• Rigor.</li> </ul>																																																
Computer skills and abilities	Microsoft Office™ (Word™, Excel™ și PowerPoint™), DataFromSky, PTV VISUM, PTV VISSIM, Reliasoft, CATIA.																																																
Driver's license	Categories AM, B1, B.																																																

## Summary information

Teaching activity	<ul style="list-style-type: none"><li>Teaching activities in the disciplines of Transport Engineering at the bachelor's and master's programs</li><li>Member of the dissertation committee for the master's degree in Transport and Road Safety, 2019 – present;</li><li>member of guidance teams for 5 PhD students from the Doctoral School of Transport Engineering</li><li>13 published books and university textbooks;</li><li>Teaching internships abroad:<ul style="list-style-type: none"><li>Technical University of Moldova in Chisinau – May 2019;</li><li>Gazi Ankara University - July 2019;</li><li>Angel Kanchev University of Russe – February 2020, June 2021, October 2021, June 2022, April 2023.</li></ul></li></ul>
Scientific research activity	<ul style="list-style-type: none"><li>Research areas: Road traffic; Road traffic; Public transport; Transport modeling.</li><li>45 scientific articles, including 16 articles indexed Web of Science (of which 5 articles in listed journals: one article in Q1 journal and 4 articles in Q2 journals, one article as first author) and 26 articles in other international databases recognized by CNADTCU</li><li>director/responsible for 9 grants or projects for the socio-economic environment (including 2 grants won through competition and a project for the socio-economic environment with a value of over 100,000 lei);</li><li>Collective member of 6 research contracts or projects for the socio-economic environment;<ul style="list-style-type: none"><li>3-month postdoctoral fellowship awarded by the Ministry of Education in 2023-2024, obtained through competition.</li></ul></li></ul>
Experience in university management	<ul style="list-style-type: none"><li>Member of the FMT Board, 2020 – present;</li><li>Member of the FMT admission committee, 2020 – present;</li><li>Member of the commission for the election of the Rector of UPit, 2019;</li></ul>
Representation in bodies of national/international interest	<ul style="list-style-type: none"><li>Member of national professional associations:<ul style="list-style-type: none"><li>the Society of Automotive Engineers of Romania (SIAR);</li><li>General Association of Romanian Engineers (AGIR).</li></ul></li><li>Secretary for the Pitesti Branch of the Romanian Society of Automotive Engineers (SIAR).</li></ul>
Experience in scientific research management	<ul style="list-style-type: none"><li>Head of the "Transport and Road Traffic" laboratory of the Automotive Engineering Research Center;</li><li>Editor and reviewer at scientific journals:<ul style="list-style-type: none"><li>Engineering Perspective – An International Journal, e-ISSN: 2757 – 9077;</li><li>International Journal of Automotive Science and Technology, DergiPark, e-ISSN: 2587-0963</li></ul></li><li>Member of the Scientific Committee:<ul style="list-style-type: none"><li>International Symposium on Automotive "Science and Technology", 8-10 september 2021, Ankara;</li><li>Innovative solutions for sustainable transport in the danube region - University of Ruse "Angel Kanchev", 20 September 2023.</li></ul></li><li>Recenzor la ESFA 2023, Fuel Economy, Safety and Reliability of Motor Vehicles, The 33rd SIAR International Automotive and Transport Engineering Congress, 2-4 November 2023, Bucharest</li></ul>

Involvement in educational projects

- Academic integration expert in the ROSE project "Countering university dropout in FMT of UPit" (I will be an engineer! - FMT), 2019 – 2021;
- Entrepreneurial skills trainer in the POCU project "Activities and integrated measures of educational assistance, entrepreneurial counseling and mentoring, respectively financial support for increasing access to and participation in tertiary education in the South-Muntenia region in conditions of non-discrimination and social equity" (ACTIV PRO - UPit), 2020 – 2022;
- Initiator and organizer of the annual FMT chess competition, 2018 – present;
- Coordinator of the workshop with students "Introduction to Automotive Engineering"
- Prezentare în plenul manifestării științifice internaționale „Innovative solutions for sustainable transport in the Danube region”: Romania's experience in developing sustainable and intelligent mobility, University of Ruse "Angel Kanchev", 20 September 2023
- Responsible for information and publicity in the project "First Student" "Program: Education and Employment 2021-2027, Specific objective: ESO4.6\_ ESO4.6\_Promovarea equal access to and graduation from quality and inclusive education and training, especially for disadvantaged groups, starting from early childhood education and care, continuing with general and vocational education and training up to tertiary education, as well as adult education and learning, including by facilitating learning mobility for all and accessibility for persons with disabilities European Social Fund+:

Experience in program management

- Member of the FMT study programs promotion team;

Experience in project coordination

- Erasmus+ FMT Program Manager, 2018 – present;
- Coordination of a team consisting of 16 teachers and 80 students for the collection of traffic data on 10 different days, in 40 positions, for the contract: Traffic registration services on county public roads in the public domain of Argeș County and under the administration of RAJD Argeș R.A., in accordance with the Calendar for the registration of road traffic in 2020, Beneficiary: Autonomous County Road Authority Argeș R.A

05.02.2026

**Boroiu Andrei-Alexandru**