Curriculum vitae

Personal Information

Zaharia Cătălin Victor

Târgu din Vale St., no.1, Pitești, Argeș, 110040, Romania

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Sex M | Date of birth 21/07/1976 | Nationality Romanian

Work Experience

2002 - present

Associate professor (2023 - present), Lecturer (2007 – 2023), Assistant (2005 - 2007), Junior Assistant (2002 - 2005)
National University of Science and Technology POLITEHNICA București,
Pitești University Centre, Târgu din Vale St., no.1,
In charge of the following disciplines:
Vehicle Diagnostics,
Vehicle Maintenance,
Rational Use of Transport Vehicles,
Automotive Project Engineering,
Innovation Management and Marketing,
Quality Management and Industrial Property,
Documentation, Capitalization of Information and Professional Communication.
Didactic activity and scientific research

2020 – 2025

Member of the Faculty of Mechanics and Technology Council
National University of Science and Technology POLITEHNICA București,
Pitești University Centre, Târgu din Vale St., no.1,
Academic management
Higher education, scientific research

2009 – 2014

Activity coordinator / Director of the Driving School Student Auto
University of Pitești, Târgu din Vale St., no.1,
Management
Higher education

Education & training

26 – 28 February 2013

Certificate
Certificate of Instruction of the ECOeffect training program,
National Union of Road Transporters of Romania, UNTRR.

14 - 25 February 2011

Certificate
International Institute for Vocational Training (IFB),
Pedagogy of teaching technical subjects:
Diagnosis in communication systems,
Basics of metrology/error detection in Diesel injection systems, Diagnosis/error detection in ignition and injection systems,
Basic principles of CAN – Bus,
Steering and climate control systems in automobiles,
International Institute for Vocational Training – IFB, Mannheim, Germany,

2010 - 2025

13 teaching internships, Erasmus teaching internships,
Conservatoire National des Arts et Métiers, Paris, France,
Institut Supérieur des Automobiles et Transports, Nevers, France

Oct. 2008 – February 2009

Trainer for Renault Technologie Roumanie (RTR)
Documentation monitoring and knowledge capitalization,
Professional communication,
Innovation management and marketing,
Value analysis,
Quality management and industrial property,
Project management,
University of Technology of Compiègne, France,

20 – 24 august 2007

AVL internship
Internal Combustion Engines (ICE),
ICE testing equipment,
AVL List, Graz, Austria,

2006

Doctor (co-supervision of thesis),
Theoretical and experimental studies on the performance of a car subjected to accelerations,
University of Pitești, Romania,
Conservatoire National des Arts et Métiers, Paris, France,

2003 - 2006

3 doctoral internships of 3 months each per year (funded by ADEME)
Theoretical and experimental studies on the performance of a car subjected to accelerations, Conservatoire National des Arts et Métiers, Paris, France,

2004, 2009

Certificate of road legislation teacher
Institute for Professional Training in Road Transport – I.F.P.T.R. Pitești,
Romanian Road Authority – A.R.R. Pitești,

2003

Graduation Certificate
Training and Professional Development of Teaching Staff.

2002

Master's degree, Vehicle Design Optimization
Advanced studies, Mechanical Engineering,
University of Pitești, Faculty of Mechanics and Technology, Department of Automobiles.

2000

Engineer diploma, Road Vehicles, Automotive engineering
University of Pitești, Faculty of Mechanics and Technology, Automobiles Department.

1990 - 1995

High school diploma,
Mathematics - Physics
Alexandru Odobescu High school, Pitești

Personal skills

Mother tongue(s) **Romanian**

Other language(s)

Self-evaluation	Understanding				Reading				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
French	1	C1	1	C1	1	C1	1	C1	1	C1
English	2	C1	2	C1	2	C1	2	C1	2	C1

(*) Levels: A1/A2: Basic user, B1/B2 – Independent user, C1/C2 – Proficient user

Organizational / managerial skills	- Responsible for the international student competition Kart Low Cost, Romania, a competition organized under the patronage of the Society of Automotive Engineers of Romania (together with Prof. Dr. Eng. Adrian Clenci), - Organizer of the international student competition Kart Low Cost, editions 2012, 2014, 2016, 2018, 2019, 2023 at the University of Pitești in collaboration with Dacia Renault and the Titi Aur Academy, - Member of the organizing team for the 2005, 2011, 2017 and 2026 editions of the CAR international congress (www.car2026.ro), - ECTS Responsible for the Master's program *Automobile design and engineering project management* within the Department of Vehicles and Transport, University of Pitești, - Director of a research project funded and awarded through an internal scientific research competition with external evaluators, entitled: "Truck Engine Diagnosis by Evaluating Engine Oil Wear and Issuing Maintenance Recommendations," University of Pitești, (contract no. 5141/06.05.2022), - Organizer of the course "Investigation of Automotive Electronic Systems Using Diagnostic Testers" with guests from the socio-economic environment (2015, 2016, 2017, 2018, 2023, Eng. Cătălin Răpițeanu)
Technical skills and abilities	- knowledge of using stands and teaching models related to automotive technical service
Computer skills and abilities	- MS OFFICE, AUTOCAD, SIMULINK, AMESIM, CATIA, ADVISOR, CRUISE – developed during undergraduate, master's, and doctoral studies.
ERASMUS Mobilities	- 9 Erasmus teaching internships, either at the Conservatoire National des Arts et Métiers, Paris, France, or at the Institut Supérieur des Automobiles et Transports (2010 – 2022)
Job-related skills	- member of the Société des Ingénieurs de l'Automobile de France (SIA), - member of the Society of Automotive Engineers of Romania (SIAR).
Driving license	B / C categories
Additional information	**DIRECTOR of the following research projects:** 1. *„Diagnosticarea motorului de camion prin evaluarea uzurii uleiului de motor și emiterea de recomandări de mentenanță"* (contract nr. 5141 / 06.05.2022 – 32000 lei, finanțare internă Universitatea din Pitești), 2. *„Realizarea activităților de cercetare științifică necesare pentru studiul funcționării instalațiilor de încălzire în regim staționar dedicate automobilelor"* (contract nr. 8645 / 14.09.2020, între Universitatea din Pitești și Cerlot Trading SRL Argeș, instalație Webasto Thermo & Confort SE – Thermo Top C cu interfață de diagnosticare, valoare: 7263,45 lei, conform proces verbal nr. 10/16.02.2023) 3. *„Realizarea activităților științifice necesare pentru analiza fluidelor tehnice (ulei motor) ale motoarelor cu ardere internă (m.a.s./m.a.c.) cu scopul de a emite planuri de mentenanță în funcție de condițiile și regimul de exploatare ale unui automobil"* (contract nr. 8644 / 14.09.2020, între Universitatea din Pitești și Renault Tehnologie Roumanie, valoare: 43306,20 lei, Dacia LOGAN – m.a.s., VIN: UU17SDAG448687466, conform proces verbal nr. 09 / 16.02.2023 + valoare: 68936,40 lei, Dacia DUSTER – m.a.c., VIN: UV1HSDADN00000001, conform proces verbal nr. 08 / 16.02.2023), 4. *„Realizarea activităților necesare pentru studiul emisiilor poluante ale motoarelor cu ardere internă"* (contract nr. 6697 / 23.05.2019, între Universitatea din Pitești și Renault Tehnologie Roumanie, valoare: 75386,70 lei, Dacia LOGAN MCV – m.a.s., VIN: VF1HJD20860149137, conform proces verbal nr. 07 / 16.02.2023). 5. **MEMBER of the teams of the following research projects:** 1. *„Autoturism ecologic experimental cu propulsie hibridă termică - electrică alimentat cu GPL şi electricitate"*, CNCSIS A 956 / 2006 – 2007, director de proiect: Conf. dr. ing. Dănuţ MARINESCU, Universitatea din Pitești, 2. *„Algoritmi evoluați de control în timp real pentru optimizarea vehiculelor hibride", CEEX-AMTRANS XC28* / 2006 – 2007, director de proiect: prof. dr. ing. Gheorghe LIVINŢ, Universitatea „Gheorghe Asachi" din Iași, 3. *„Dezvoltarea unor soluții pentru adaptarea autoturismelor la viitoarea normă de depoluare EUROVII (EU7CO2)"*, nr. contract 6204 / 27.05.2022, beneficiar: FEV ECE Romania și Renault Technologie Roumanie, 4. "*Diagnosticarea motoarelor de autocamion prin evaluarea gradului de uzură a uleiului de motor și emiterea de recomandări de mentenanță specifice în funcție de condițiile de exploatare"*, proiect în colaborare cu mediul socio-economic, beneficiar: SC COM DIVERS AUTO RO SA, Bascov, Argeș, nr. contract 1070 / 08.12.2021, 5. *„Dezvoltarea unui sistem de amorsare rapidă a convertoarelor catalitice pentru adaptarea autoturismelor la următoarea normă de depoluare EUOR VII: EU7CATA"* 2021 - 2023, beneficiar: Renault Technologie Roumanie, nr. contract: 16361 / 03.12.2021, 6. *„Studiu de oportunitate (trafic de călători) pentru realizarea unei linii de transport ușor și rapid pe ruta Pitești – Ștefănești – Mărăcineni – Mioveni"*, nr. 04/13.10.2008, beneficiar: Consiliul Județean Argeș, 7. *"Studiu de soluții privind optimizarea transportului de persoane în zona metropolitană și pe ruta Pitești – Mioveni", nr. 11868 din 27.11.2009,* beneficiar: Consiliul Județean Argeș.

AUTHOR AND CO-AUTHOR of over 34 articles published in specialty journals and international scientific conferences, member of 8 research contracts, co-author of a design guide, author of two booklets on theory and practical applications, member of organizing committees for national and international conferences.

Hirsch index : ISI Web of Knowledge: 2, Scopus: 3, Google Scholar: 4

SUPERVISOR for 2 doctoral theses in progress.

REFERENCES @:
Professor Georges Descombes, pr.georges.descombes@gmail.com,
Professor Adrian Clenci, adrian.clenci@upit.ro,
Professor Ion Tabacu, ion.tabacu@upit.ro
Professor Anghel Chiru, achiru@unitbv.ro.
Professor Rodica Niculescu, rodica.niculescu@upit.ro

Cătălin V. ZAHARIA

October 2026