

PERSONAL INFORMATION



Stelian Tarulescu

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<https://www.unitbv.ro/contact/comunitatea-unitbv/2976-tarulescu-stelian.html>

Sex Male | Nationality Romanian

WORK EXPERIENCE

Occupation or position held
Employer's name and locality
Date
Activities and responsibilities
Area of activities

University Professor

- Transilvania University of Braşov, Department of Motor Vehicles and Transportation
- since 2002, Lectures, coordination of BSc and MSc projects, research activities
- Teaching and research activities in the fields of automotive engineering, transport, vehicle pollution and environment

Researcher in road vehicles

- ITS Romania – Romanian Organization for the Implementation of Intelligent Transport Systems
- 2002 -2024, Project researcher for Mobility for European Rural Areas – MobiRural Erasmus Project
- Research activities in the fields of rural mobility, transport infrastructure and systems and vehicles

EDUCATION AND TRAINING

Date
Qualification awarded
Training organisation name and locality

Habilitation in the Field of Transport Engineering

Scrieți nivelul EQF, dacă îl cunoașteți

2023

National University of Science and Technology POLITEHNICA Bucharest , Romania

Theme: Strategies for reducing road transportation pollution in urban areas

Ph D Degree

2002-2009

Thesis title - Studies and research on the influence of urban road traffic on pollutant emissions - Mechanical Engineering Domain, Series G. Nr. 0001853, Ministry of Education, Research and Innovation, Transilvania University of Brasov, Romania
Transilvania University of Braşov

Postgraduate degree

2002 -2003

Vehicle and environment
Transilvania University of Braşov

Engineer degree

1997-2002

Road Vehicles
Transilvania University of Braşov

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
Basic user - B2	Basic user - B2	Basic user - B2	Basic user - B2	Basic user - B2
Replace with name of language certificate. Enter level if known.				

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

Sociable, familiar with working in teams, involved and resolute when fulfilling various tasks

Organisational / managerial skills

- Since 2019 - Head of High Tech Products for Automotives Research Center, from Transilvania University of Brasov Research and Development Institute, <https://icdt.unitbv.ro/centre-de-cercetare/produse-high-tech-pentru-autovehicule.html>
- 2020 - 2021 - Coordinator of the UNITBV Project Management Office.
- Since 2019 - Member of the Board of Directors of Intelligent Transport Systems Romania (ITS), <https://www.its-romania.ro/ro/about>.
- UNITBV coordinator of activities on Sustainable Urban Mobility.
- Since 2019 - UNITBV representative in the Smart Mobility Alliance of the Metropolitan Area of Brasov.
- Since 2016 - Coordinator of the Master's Degree Program: Road Safety and Interaction with the Environment, within UNITBV.
- Since 2015 - Expert accessing European structural and cohesion funds - Graduation certificate, N Series, Nr. 00270858, Ministry of Labour, Family, Social Protection and Older Persons.
- 2012 - 2020 - Responsible for the implementation of the internal managerial control of the Department of Vehicles and Transports from the Faculty of Mechanical Engineering of the Transilvania University of Braşov.
- 2006 - Graduate of the program: New Strategies of COMPetence Aquisition for Lifelong in Energy – Transport – Environment Engineering, Pilot Project RO/04/B/F/PP – 175016, No. 041/23.06.2006, Universitatea Transilvania din Brasov, Romania.

Job-related skills

- 2013 - 2019 - Head of the Internal Combustion Engine Testing Laboratory within the Research Center of the Faculty of Mechanical Engineering, C02A- High tech products for automobiles within the Development Research Institute of Transilvania University of Braşov.
- 2018 - 2019 Expert in the field of transport for Project no. 39 / 04.07.2018, "Framework agreement for services for evaluating financing applications submitted under the Regional Operational Program 2014 - 2020 in the Western Region", Subsequent contract no. 2 / no. Reg. 54 / 25.09.2018.
- 2013 - present - Responsible for the acquisition of equipment within the C02 HIGH-TECH Products Center for vehicles within the Development Research Institute.

Computer skills

- good command of Ms Office, Autocad, MathCAD.

Other skills

- 2009 - Mentor - Graduation Certificate, G Series, Nr. 00011326, Ministry of Education, Research and Innovation, organized by Zece Plus, Oneşti, Romania;
- 2009 - Pedagogical module - Graduation certificate, Series G. Nr. 002527, Ministry of Education, Research and Youth, Transilvania University of Brasov, Romania;
- 2009 - Trainer - Graduation Certificate, Series F, Nr. 0169146, Ministry of Education, Research and Youth, organized by Zece Plus, Oneşti, Romania

Driving licence

- Driving licence B category

ADDITIONAL INFORMATION

Publications

Main recent publications:

1. Tarulescu, R., Tarulescu, S., Leahu, Cl., Luca-Motoc, D. (2020). Marine Ship Equipped with Air Turbine – Electric Generator Aggregate. In: Dumitru, I., Covaciu, D., Racila, L., Rosca, A. (eds) The 30th SIAR International Congress of Automotive and Transport Engineering. SMAT 2019. Springer, Cham. https://doi.org/10.1007/978-3-030-32564-0_22, WOS:000528526600022.

2. Tarulescu, S., Tarulescu, R., Leahu, Cl. (2020). On-Board Measurement of Emissions from Spark Ignition Engine Vehicle for Urban Routes. In: Dumitru, I., Covaciu, D., Racila, L., Rosca, A. (eds) The 30th SIAR International Congress of Automotive and Transport Engineering. SMAT 2019. Springer, Cham. https://doi.org/10.1007/978-3-030-32564-0_29, WOS:000528526600029.
3. Tarulescu Stelian, Tarulescu Radu, Șoica Adrian, Leahu Cristian Ioan, Smart Transportation CO2 Emission Reduction Strategies, IOP Conference Series: Materials Science and Engineering, Volume 252, Conference 1, indexare ISI 2018, WOS:000419817200051.
4. Leahu, Cl., Tarulescu, S., Radu S., Steady state engine efficiency specific to series hybrid electric vehicles Ingineria Autovehiculului, (50), pp.19-22, martie 2019, WOS:000486368200008
5. Tarulescu S., Manea L., Study of school bus transportation system for Cernavoda city link:<http://www.amma2018.ro/index.php/amma/2018/paper/view/36>.

Projects

Director in sustainable urban mobility projects at national and local level (4513/07.04.2022, Traffic measurements in the Municipality of Brasov; 1181/1.02.2022, Study on the implementation of the Action Plan for Climate and Sustainable Energy - PACED Braşov 2021-2030; 14979/1.11.2021, Thematic Trail Trigger – Three T" (Initiation of Thematic Trails) - Pilot project "Zones of silence as a tourist attraction"; 3058 / 22.03.2019, Solutions and measures regarding the systematization of traffic on the AUTOLIV Brasov Platform; 7281 / 14.06.2018, Study on the adaptation of urban space and civil buildings to the individual needs of people with handicap; 9239 / 07.08.2017, Road traffic study for the city of Cernavoda; 1755 / 16.02.2017, Introduction of intelligent and ecological urban transport system in the city of Ghimbav. Routes and infrastructure for electric transport; 12845 / 14.10.2016, Parameter study of energy efficiency at the level of the local strategy and the SEAP for the city of Ghimbav; 2842 from 14.03.2016, Sustainable urban mobility plan of the city of Ghimbav; 10496 from 14.09.2015, Mobility study on the road traffic of the city of Ghimbav).

- Member in an ERASMUS+ project with ITS Romania – Mobility for European Rural Areas – MobiRural, KA220-VET029BD679, from 1.03.2022 until 31.07.2024, and responsible of Didactic Unit - E-mobility solutions for rural areas.