

PERSONAL INFORMATION



Horia ABĂITANCEI

Universitatea Transilvania din Braşov, Departamentul Autovehicule şi Transporturi, Str. Politehnicii, Nr.1, Sala NP9

+40 0268 474761

h.abaitancei@unitbv.ro

Sex Male

Nationality Romanian

PROFESSIONAL EXPERIENCE

1990 – present

Profesor

Responsibilities

Teaching / Research areas: Thermodynamic and gas-dynamic processes in engines, hydraulic systems

Integrated projects (concept – design/simulation – prototype):

Mini-vehicle with alternative propulsion systems / modular / extended maneuverability

Faculty of Mechanical Engineering
Transilvania University of Brasov
29 Eroilor, 500036 Braşov (România)
www.unitbv.ro

2012 - 2019

CTO

Responsibilities:

Integrated proof-of-concept projects involving design, simulation, and testing of thermo-mechanical systems: engine components / heat pumps / hydraulic drive systems

Software used:

Multi-system (Amesim), CFD (X-Flow), Multi-body (MSC ADAMS), FEA (MSC Nastran)

Key clients:

Start-up companies – USA: ThermoLift, Ecomotors, Tata Technologies Romania

Department of Product Design and Robotics

Transilvania University of Brasov
29 Eroilor, 500036 Braşov (România)
www.unitbv.ro

2012 - 2015

Manager of Proof of Concept Department

Responsibilities:

Technical support, management, and marketing for proof-of-concept projects, including operations such as development, simulation, and testing of engine and vehicle components specific to the Schaeffler Group.

EDUCATION AND TRAINING

1990 – 1996

PhD student

Transilvania University of Braşov

Field of study: Dynamic phenomena in fluids with applications in vehicle propulsion

1996 – 1997

Scholarship Alexander von Humboldt

Ruhr University

1984 – 1989

Bachelor studies in Automotive Engineering

Transilvania University of Braşov

PERSONAL SKILLS

Mother tongue Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Communication skills Good interpersonal skills, ability to actively listen and be empathic

Organizational/ managerial skills Perseverance, responsibility