

## 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