

PERSONAL INFORMATIONS

BENCZE Andrei



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PROFESSIONAL EXPERIENCE

04.2022 - present

Lecturer

Transilvania University Brasov, Mechanical Engineering Faculty

- Courses, Seminars, Laboratory, Project / Mechanics, Material Strength / Aircraft Mechanics, Finite Elements Method (FEM), Computer Assisted Design (CAD), Programming

06.2020 – 04.2022

Stress Engineer for aerospace structures

Premium Aerotec, Brasov

- Design and stress assessment of aircraft primary structures (FEM, classical calculations etc.), Check, Certification

04.2019 – 05.2020

Stress Engineer for aerospace structures

MT Aerospace, Augsburg, Germania

- Design and stress assessment of rockets structures (FEM, classical calculations etc.), Check, Certification

06.2014 – 11.2018

Stress Engineer for aerospace structures

GDC-Engineering, Oberpfaffenhofen / München, Germania

- Design and stress assessment of aircraft primary structures (FEM, classical calculations etc.), Check, Certification

05.2011 – 05.2014

Stress Engineer for aerospace structures

Premium Aerotec (EADCO), Augsburg, Germania

- Design and stress assessment of aircraft primary structures (FEM, classical calculations etc.), Check, Certification

01.2009 – 04.2011

Stress Engineer for aerospace structures

CONSARO, Augsburg, Germania

- Design and stress assessment of aircraft primary structures (FEM, classical calculations etc.), Check, Certification

EDUCATION

10.2005 – 12.2008 **PhD. (Mechanical Engineering)**

Transilvania University Brasov

- Mechanical Engineering

10.2004 – 6.2005 **Master (1 year)**

Politehnica University Brasov, Aerospace Engineering Faculty

- Mechanics
- Flight dynamics and stability
- Fluids / Aerodynamics

10.1999 – 06.2004 **Engineer (5 years)**

Transilvania University Brasov, Technical Engineering Faculty , Aerospace constructions section

- Mechanics
- Aircraft mechanics
- Material Strength
- Flight dynamics and stability
- Aircraft calculation and construction
- Finite elements method
- Fluids / Aerodynamics
- Computer Assisted Design

PERSONAL SKILLS AND COMPETENCES

Native language Romanian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2/C1	B2/C1	B2/C1	B2/C1	B2/C1
	Technical level				
German	B1	B1	B1	B1	B1
	Certificate B1				

Levels: A1/2: Basic User - B1/2: Independent user - C1/2: Proficient user
Common European Framework of Reference (CEF) level

IT Competences

- MS Office: Word, Excel, Power Point, Access
- Programming: VBA, Turbo Pascal, C++, Basic, Auto-Lisp

Other Competences

- FEM: MSC PATRAN / NASTRAN + Laminate Modeler, ABAQUS, HyperMesh, ANSYS
- CAD: CATIA v5, Pro-E, AUTO-CAD, MATHCAD