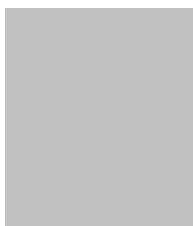


PERSONAL INFORMATION



Bogdan Cornel Benea

Politehnicii 1 Brasov

b.benea@unitbv.ro

WORK EXPERIENCE

10.2003 - present

[Add separate entries for each experience. Start from the most recent.]

Assistant/lecturer

Transilvania University of Brasov

Teaching activities of courses and laboratories

- Processes and characteristics of internal combustion engines
- Engines
- Computer-aided design
- Transport-aided design
- New materials and technologies in the automotive industry
- Automotive Diagnosis
- On-board diagnostics of vehicles
- Basics of computer use

Granting grades for student activities

Guidance of students in preparing bachelor's projects

Representation of the institution at various conferences and symposia

Member of committees for inventory, scrapping and evaluation of assets

Scientific research activities

07.2015 - present

Business or sector Education

Technical expert – Road Traffic Accidents

Central Bureau of Technical Expertise – Ministry of Justice (Romania)

Technical expertise of traffic accidents

EDUCATION AND TRAINING

10.2004 – 07.2014

[Add separate entries for each education. Start from the most recent.]

PhD Mechanical Engineering

Transilvania University of Brasov

10.2003 – 07.2004

Master

Transilvania University of Brasov

General skills

- Reducing chemical and noise pollution from motor vehicles
- Unconventional energy sources

10.1998 – 07. 2003

Engineer – Road Vehicles

Transilvania University of Brasov

General skills

- Mathematics, Physics, Materials Study, Materials Technology, Mechanics, Strength of Materials, Machine Parts, Descriptive Geometry, Technical Drawing, Electronics, Electronics
- Write the list of the main subjects studied and the skills acquired

Professional skills

- Internal Combustion Engines, Vehicle Dynamics, Vehicle Calculation and Construction,
- Vehicle Diagnostics

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B2	B1	B1	B1
Replace with name of language certificate. Enter level if known.					

Communication skills

Communication and teamwork skills, each of the positions held assuming close collaboration, both at the institutional level and at the level of dialogue with other institutions with competences in all fields of engineering sciences.
Good communication skills in the field of mechanical engineering.

Organisational / managerial skills

Experience in organizing national and international symposia, conferences and meetings

Job-related skills

Automotive diagnostics and repair
Testing and simulation programs for internal combustion engines
Testing internal combustion engines
Software for traffic accident simulation and reconstruction

Computer skills

Microsoft Office
PTC Creo
CATIA
Anylogic
PcCRASH

Other skills

Driving license B, C, E

ADDITIONAL INFORMATION

Publications

- BENEĂ Bogdan Cornel - Researches regarding reduction the pollution using LPG on 5.1. engine, AMMA 2007, Cluj Napoca
- DUMITRA\$CU Dorin Ion, BENEĂ Bogdan Cornel - Biodiesel - an alternative fuel for diesel engines, COMAT 2008, Brasov
- BENEĂ Bogdan Cornel - Study regarding the effect of biodiesel on diesel engine emission, MVT 2012, Timisoara
- BENEĂ Bogdan Cornel - Influence of biodiesel on CCb emissions from diesel engines EAEC-ESFA 2015, Bucharest
- BENEĂ Bogdan Cornel - The influence of the biofuel blends on the energetic and ecological performances of the Diesel engine, IOP Conf. Ser.: Mater. Sci. Eng. 147 012120, 2016
- BENEĂ Bogdan Cornel - Combustion characteristic of diesel engine fueled by biodiesel at partial load, ICOME 2017, Craiova
- BENEĂ Bogdan Cornel - Emissions characteristic of diesel engine fueled by biodisel at partial load, CAR 2017, Pitesti
- BENEĂ Bogdan Cornel- The influence of ethanol and biodiesel blends on diesel engine performance and

emissions, IOP Conf. Ser.: Mater. Sci. Eng. 898 012024, 2020

- BENEA Bogdan Cornel - The influence of water injected on the reduction of NOx emissions in Diesel engine, IOP Conf. Ser.: Mater. Sci. Eng. 1256 012039, 2021

Projects

2009 - Traffic study in Calarasi municipality - member

2016 - Mobility study on road traffic in Ghimbav city - member

2016 - Sustainable urban mobility plan for Ghimbav city - member

2017 - Road traffic study for Cernavoda city - member

2018 - Study on adapting urban space and civil buildings to the individual needs of people with disabilities - member

2019 - Traffic data collection for updating the traffic study for Brasov municipality - member

2021 - External expertise services - testing, analysis and technical consultancy within the Thematic Trail Trigger Project - Three T (Initiation of Thematic Trails) – member

01.01.2025