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Curriculum vitae Europass

Personal information

Name / First name	**Ispas, Nicolae**
Address(es)	
Phone(oane)	0268413198
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Nationality(-digits)	English
Date of birth	-
Sex	Male

Job / Function

Department of Motor Vehicles and Transport

Professional experience

Period	October 2003 - present
Function or post held	full university professor
Main activities and responsibilities	Teaching activities at IPIMEA Brașov, Engines for Road Vehicles, Use of Computers in Environmental Management, at IPIMEA Brașov, Data Acquisition and Data Processing in the field of Internal Combustion Engines (postgraduate courses); Electronic Commerce, ECDL, at C.C.I. Brașov; Internet and E-Commerce, at I.N.D.E București, C.C.I. Brașov; Computer Bases; Automotive Engineering Bases, The Automobile a Complex System; Calculul și Construcția Sistemelor Auxiliare Systemelor Auxiliary Systems of the Automobiles, Bases of Computer Use, Applied Informatics, Bases of Automotive Engineering, Command and Control Systems Used in Automobiles (Master), Dynamics and Modeling of Traffic Accidents (Master), Modern Design of Automobiles (Master)
Name and address of employer	Transilvania University of Brasov, Fac. de Inginerie Mecanica, Catedra de Autovehicule si Motoare /Departamentul de Autovehicule și Inginerie Mecanică, b-dul. Eroilor nr. 29, Brasov, jud. Brasov, cod. 500036
Type of business or sector	education, research
Period	October 2000 - October 2003
Function or post held	full university lecturer
Main activities and responsibilities	Teaching activities in the subjects: Automatic Transmissions for Motor Vehicles, Environmental Pollution by Motor Vehicles, Computer Aided Design, Numerical Process Modeling, Automatic Acquisition Experimental Data, Computer Bases, Applied Informatics, Internet and E-commerce.
Name and address of employer	Transilvania University of Brasov, Faculty of Mechanical Engineering, Department of Vehicles and Engines, b-dul. Eroilor nr. 29, Brasov, jud. Brasov, cod. 500036
Type of business or sector	education, research

Period	September 1991 - October 2000
Function or post held	chief of works eng.
Main activities and responsibilities	Teaching activities in the following subjects: Engines for road vehicles, Automatic transmissions for motor vehicles, Environmental pollution by motor vehicles, Computer-aided design, Numerical process modeling, Automatic acquisition of experimental data, Computer Bases, Applied Informatics, Internet and e-commerce
Name and address of employer	Transilvania University of Brasov, Faculty of Mechanical Engineering, Department of Vehicles and Engines, b-dul. Eroilor nr. 29, Brasov, jud. Brasov, cod. 500036
Type of business or sector	education, research
Period	September 1986 - September 1991
Function or post held	university assistant
Main activities and responsibilities	Teaching activities in the subjects:Engines for road vehicles, Automatic transmissions for motor vehicles, Numerical process modeling, Automatic acquisition of experimental data.
Name and address of employer	Transilvania University of Brasov, Faculty of Mechanical Engineering, Department of Vehicles and Engines, b-dul. Eroilor nr. 29, Brasov, jud. Brasov, cod. 500036
Type of business or sector	education, research
Period	October 1983 - September 1986
Function or post held	Research Engineer
Main activities and responsibilities	Research and teaching activities in the fields of Internal Combustion Engines, Vehicle Testing, Technical Drawing, Stands for testing of vehicle components.
Name and address of employer	Transilvania University of Brasov, Faculty of Mechanical Engineering, Department of Vehicles and Engines, b-dul. Eroilor nr. 29, Brasov, jud. Brasov, cod. 500036
Type of business or sector	education, research
Period	September 1981- October 1983
Function or post held	engineer
Main activities and responsibilities	General Assembly Engineer, Body and Transmission Research
Name and address of employer	ARO Câmpulung Muscel, Str. Traian, Nr. 223, Câmpulung, Argeș, code 115100
Type of business or sector	Car manufacturing industry, research

Education and training

Period	2005 - 2007
Qualification / diploma obtained	Graduate of the Postgraduate Program "Interactive methods for teaching-learning-evaluation process"
Main subjects studied / professional skills acquired	Interactive learning/teaching/assessment methods, Problem-based learning, Project-based learning/teaching
Name and type of educational institution / training provider	Transilvania University of Brasov, Faculty of Mechanical Engineering, IPIMEA Brasov
Level in national classification or International	International
Period	2004
Qualification / diploma obtained	ECDL Accredited Examiner Romania
Main subjects studied / professional skills acquired	European Computer Computer Driver License
Name and type of educational institution / training provider	ECDL Romania
Level in national classification or International	International

Period	2002
Qualification / diploma obtained	Graduate of the ISO 9001:2000 Quality Management Systems course;
Main subjects studied / professional skills acquired	Quality management
Name and type of educational institution / training provider	CCI Brasov, Romania
Level in national classification or International	national
Period	2000
Qualification / diploma obtained	Technical expert in the Ministry of Justice in the field of "Motor Vehicles, Road Traffic";
Main subjects studied / professional skills acquired	Road Accident Reconstruction, Vehicle Dynamics, Road Legislation.
Name and type of educational institution / training provider	Romania, Ministry of Justice
Level in national classification or International	national
Period	1985 - 1999
Qualification / diploma obtained	PhD in Engineering Sciences, specialization in Machines and Thermal Equipment, topic "Research on a new combustion control concept for high performance direct injection diesel engines".
Main subjects studied / professional skills acquired	Internal combustion engines
Name and type of educational institution / training provider	Transilvania University of Brasov.
Level in national classification or International	national
Period	1976 - 1981
Qualification / diploma obtained	Engineer - University of Brasov, Faculty of Mechanics, Specialization Road Vehicles
Name and type of educational institution / training provider	University of Brasov.
Level in national classification or International	national
Period	1971 -1975
Qualification / diploma obtained	Baccalaureat diploma
Main subjects studied / professional skills acquired	actual profile
Name and type of educational institution / training provider	Theoretical High School (special math class) MIHAI VITEAZUL, Ploiești
Level in national classification or International	national
Skills and competences staff	Perseverance, tenacity, desire for knowledge, creativity, team spirit, initiative, commitment.
Mother tongue(s)	English

Foreign language(s) known: English, French

Self-assessment	Understanding				Speaking				Write	
European level (*)	Listening		Read		Participation in conversation		Listening		Read	
English language	C2	User experienced	C2	C2	User experienced	C2	C2	User experienced	C2	C2
French language	C2	User experienced	C2	C2	User experienced	C2	C2	User experienced	C2	C2

(*) Common European Framework of Reference for Foreign Languages level

Social skills and competences

- communication, cooperation, teamwork; participation in scientific conferences at home/ abroad; coordination/participation in research projects
- Deputy Head of the Department of Vehicles and Engines from 2004 to 2008;

Skills and competences organizational

- Director of the Vehicles and Transportation Department from 2012 to 2019;
- Coordinator of the Study Program "Transport and Traffic Engineering", program accredited in 2011 and classified in category "A" in the 2011 national classification by domains;
- Logistics Director and editor of the international congresses CONAT 2004, CONAT 2010 and 2016;
- Project management: by coordinating and/or participating in research, education and/or training projects

Technical skills and competences

- internal combustion engines, the construction of vehicle systems, the use of computers in automotive and transportation engineering, traffic accident analysis and reconstruction,, acquisition and processing of experimental data: through teaching activities; research contracts, PhD.

User skills and competences a calculatoru

- Use of personal computers (Windows, Linux, Open Office, Office Suite: Word, Excel, Power Point, Access), Android, IOS;
- ECDL, ECDL trainer;
- Use and configuration of multimedia equipment and e-learning platforms;
- Web Design;
- Using platforms for data acquisition;
- Use of general mathematical calculation programs (Mathcad, Matlab; Matlab- Simulink modeling);
- Use AUTOCAD, CREO, CATIA; ANSIS
- Use PC-Crash and Virtual Crash.

Artistic skills and competences

you competences and skills

Prestige awards professional

- member of SAE - International,
- SIAR founding member
- EVU member (Europäische Vereinigung für Unfallforschung - European Association for Accident Research and Analysis)
- Founding member IPIMEA - Institute for Improvement in Mechanical and Electrical Engineering of Vehicles, Brasov. Phare Project, Tempus CONEET, S - JEEP 11563-96.

Driving license

- categories B and C

Further information

Can be provided by:

- Prof. univ. dr. eng. Prof. Gheorghe CIOLAN, former Head of the Department of Vehicles and Engines at Transilvania University of Brasov, Tel. 0268 413 000;
- Prof. univ. dr. eng. DHC, Alexandru Georghe RADU, former dean of the Faculty of Mechanical Engineering, Transilvania University of Brasov, Tel. 0268 413 000.

Annexes

List of works

Brasov
.05.05. 2025

Prof. dr. eng ISPAS Nicolae