



## Curriculum vitae Europass



### Personal Information

First name / Surname

**ROȘCA Ioan Călin**

Address

B-dul Eroilor nr.29, Brașov, cod 500026

Phone

E-mail

icrosca@unitbv.ro

Nationality

Date of birth

Sex

### Work experience

Period

April 2012 - present

Position

Dean of the Mechanical Engineering Faculty, Professor

Activities and responsibilities

Management of the faculty

Employer's name and locality

Transilvania University of Brașov, B-dul Eroilor nr. 29, 500036, Brașov, Romania

Type of business or sector

High education

Period

November 2007 – April 2012

Position

Vice-Dean of the Mechanical Engineering Faculty, Professor

Activities and responsibilities

Management of the research activities in faculty, coordinator of the master programs and doctoral activities

Employer's name and locality

Transilvania University of Brașov, B-dul Eroilor nr. 29, 500036, Brașov, Romania

Type of business or sector

High education

Period

1<sup>st</sup> of October 2002 ÷ present

Position

Professor, Department of Strength of Materials and Vibrations, and Department of Mechanical Engineering (from spring 2011)

Activities and responsibilities

Teaching activities (courses, seminars and laboratories) at: Mechanical vibrations (Romanian and English), Strength of materials (Romanian and English), Structural dynamics, Industrial acoustics (Applied acoustics), Industrial Equipment Diagnosis; Research in the field of mechanical vibrations and dynamic of mechanical structures

Employer's name and locality

Transilvania University of Brașov, B-dul Eroilor nr. 29, 500036, Brașov, Romania

Type of business or sector

High education

Period

1<sup>st</sup> of October 1999 ÷ 30<sup>th</sup> September 2002

Position	Associate Professor, Department of Strength of Materials and Vibrations
Activities and responsibilities	Teaching activities (courses, seminars and laboratories) at: Mechanical vibrations (Romanian and English), Strength of materials (Romanian and English), Structural dynamics, Industrial acoustics (applied acoustics), Industrial Equipment diagnosis; Research in the field of mechanical vibrations and dynamic of mechanical structures
Employer's name and locality	Transilvania University of Braşov, B-dul Eroilor nr. 29, 500036, Braşov, Romania
Type of business or sector	High education
Period	1 <sup>st</sup> of October 1994 ÷ 30 <sup>th</sup> September 1999
Position	Lecturer, Department of Strength of Materials and Vibrations
Activities and responsibilities	Teaching activities (courses, seminars and laboratories) at: Mechanical vibrations, Strength of materials
Employer's name and locality	Transilvania University of Braşov, B-dul Eroilor nr. 29, 500036, Braşov, Romania
Type of business or sector	High education
Period	1 <sup>st</sup> of December 1989 ÷ 30 <sup>th</sup> September 1994
Position	Assistant Professor, Department of Strength of Materials and Vibrations
Activities and responsibilities	Teaching activities (seminars and laboratories) at: Mechanical vibrations, Strength of materials
Period	1 <sup>st</sup> of October 1986 ÷ 30 November 1989
Position	Probation engineer
Activities and responsibilities	Technology for helicopters
Employer's name and locality	Helicopter plant Ghimbav (Braşov)
Type of business or sector	Technology design for CNC
<b>Education and training</b>	
Period	April, 2015
Qualification / qualification awarded	Habilitation certificate, Order nr. 4209/10.06.2015
National or international level of qualification	Doctor advisor in the Mechanical Engineering domain
Education or training organisation's name and locality	Institute of the Solid Mechanics of the Romanian Academy
Period	1992-1998
Qualification / qualification awarded	Ph.D. engineer, Mechanical Engineering domain, Diploma nr. 653/27.03.1998, Series P nr. 0000240
Period	1981-1986
Qualification / qualification awarded	Engineer specialised in technology and manufacturing, Diploma nr. 4640/21, June 1986, series E nr. 2415
Education or training organisation's name and locality	University of Braşov, Faculty of Technology and Machine Building
National or international level of qualification	Bachelor level
<b>Personal skills</b>	

Mother language Romanian

## Other languages

Autoevaluation

European level (\*)

Language

Language

UNDERSTANDING			SPEAKING			WRITING			
Listening		Reading	Spoken interaction		Spoken production	Written production			
En	C1	En	C1	En	C1	En	C1	En	C1
D	B1	D	B1	D	B1	D	B1	D	A2

(\*) Levels: A1/A2: Basic user -B1/B2: Independent user -C1/C2 Proficient user  
Common European Framework of Reference for Languages

Professional competences and skills

- Correspondent member of the Academy of Technical Sciences of Romania, Technical Mechanics section (<https://astr.ro/en/prof-univ-dr-ing-ioan-calin-rosca/>)
- ARACIS expert 2007 – present, participation as mission coordinator or expert in over 60 institutional/doctoral schools/study programs evaluations;
- Member CNATDCU – Commission 17 - Mechanical engineering, mechatronics and robotics and weapons engineering (<https://cdn.edupedu.ro/wp-content/uploads/2020/06/Comisiile-de-specialitate-CNATDCU-mandatul-2020-2024.pdf>)
- Member of the Society of Automotive Engineers (SAE International ID: 6134533340);
- Member of the American Society of Mechanical Engineers (ASME)
- Member of the Romanian Society of Theoretical and Applied Mechanics (SRMTA) (<https://srmta.ro/>)
- Member of the Romanian Society of Automotive Engineers (SIAR);
- Member of the Romanian Society of Acoustics (<https://sra.ro/society/members/>);

Social skills

- Good communication with partners, tenacity, team spirit – acquire as vice-dean, dean and director of research projects

Organisational / managerial skills

- University management and –acquired as Dean and Vice-Dean
- Research management –acquired as Research projects director
- Coordinator of the Mechanical engineering study program (bachelor level) and master study program Practical Integrated Method for Propulsion System Engineering – organised with SCHAEFFLER Romania Company (in english).

Digital competence

3D modelling (Ideas), FEM analysis (Abaqus, Ansys), mechanical system modelling (Matlab), MS Office

### Indici de identificare:

ORCID 0000-0003-1272-1094  
Research ID AAL-4543-2020  
SCOPUS ID 35325330900  
UEFISCDI (UEF-ID) U-1700-039Q-5355

Braşov, 1<sup>st</sup> of January 2025

**Prof.PhD.eng. Ioan Călin ROȘCA**