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WORK EXPERIENCE

 **TRANSILVANIA UNIVERSITY OF BRASOV, FACULTY OF CIVIL ENGINEERING, DEPARTMENT OF CIVIL ENGINEERING** – BRASOV, ROMANIA

Address Str. Turnului nr. 5, Brasov, Romania | **Website** <https://constructii.unitbv.ro/>

ASSOCIATE PROFESSOR – 2019 – CURRENT

- didactic activity (teaching and seminar, practical and laboratory works);
- scientific research activities and equivalents, publication of scientific papers and specialized books;
- complementary activities (participation in commissions and councils in the interest of education);
- organization and participation in national and international scientific events;
- organization and participation in student scientific events.

 **TRANSILVANIA UNIVERSITY OF BRASOV, FACULTY OF CIVIL ENGINEERING, DEPARTMENT OF CIVIL ENGINEERING**

SENIOR LECTURER – 2012 – 2020

- didactic activity (teaching and seminar, practical and laboratory works);
- scientific research activities and equivalents, publication of scientific papers and specialized books;
- complementary activities (participation in commissions and councils in the interest of education);
- organization and participation in national and international scientific events;
- organization and participation in student scientific events.

 **TRANSILVANIA UNIVERSITY OF BRASOV, FACULTY OF CIVIL ENGINEERING**

ASSISTANT PROFESSOR – 2002 – 2013

- didactic and scientific research activity;
- organization and participation in national and international scientific events;

 **R&D INSTITUTE OF TRANSILVANIA UNIVERSITY OF BRAȘOV (ICDT) – BRASOV, ROMANIA**

Address Institutului 10 street, Brasov, Romania | **Website** <https://icdt.unitbv.ro/>

COORDINATOR OF THE CIVIL ENGINEERING DESIGN CENTER – 2018 – CURRENT

- ensuring the framework for carrying out scientific research and development activities;
- administration of the infrastructure related to the scientific research center in ICDT;
- monitoring the use of the research center's premises and equipment;
- reporting scientific activities and capitalizing on research-development-innovation results.



PROJECT MANAGER – 2024 – 2025

Twin-Heritage: BIM platform for the use of Digital Twins by integrating data from innovative technologies for conservation, access and understanding of architectural heritage. actions in Brasov (Romania)

Project no: 8195 / 07.06.2024

Program: regional fundings Murcia / Spania

Role in the project: Coordonator echipă, instituție parteneră



PROJECT MANAGER – 2023 – 2025

RockChain - Transversal technological skills for the ornamental rock industry focusing on the applicability of Blockchain in a Circular Economy

Project no: 2023-1-DE-02-KA220-ADU-000166863

Program: Erasmus+ / Parteneriate de cooperare

Role in the project: Partner team leader



PROJECT MANAGER – 2019 – 2022

RecoverIND - Ecological and innovative technologies for recovering industrial areas from LCA and Energy Efficiency point of view

Project no.: 2020-1-RO01-KA203-080223

Program: Erasmus+ / Strategic partnerships

Role in the project: Project coordinator



Website <https://circularbim.eu/>

PROJECT MANAGER – 2018 – 2022

CircularBIM: Learning software for the reincorporation of building materials into the industrial value chain, enhancing the transition to the circular economy with the use of BIM technologies,

Project no.: 2019-1-ES01-KA203-065962

Program: Erasmus+ / Strategic partnerships

Role in the project: Partner team leader



Website <https://bkstoneproject.com/>

PROJECT MANAGER – 2018 – CURRENT

BKSTONE: Enterprise platform for fostering, modernisation and sustainable growth in natural stone industry in Western Balkans

Project no.: 610483-EPP-1-2019-1-AL-EPPKA2-CBHE-JP

Program: Erasmus+ / Capacity Building in the field of Higher Education

Role in the project: Partner team leader



Website <https://bimhealthy.eu/>

PROJECT MANAGER – 2018 – 2021

BIMHealthy: Housing as a strategy for the promotion of health from an intersectorial and multidisciplinary approach

Project no.: 2019-1-ES01-KA203-065060

Program: Erasmus+ / Strategic partnerships

Role in the project: Partner team leader



Website <http://urbanbim.eu/>

PROJECT MANAGER – 2017 – 2020

UrbanBIM: Innovative Educational Integration of Urban Plannings Based on Bim-Gis Technologies and Focused on Circular Economy Challenges

Project no.: 2018-1-RO01-KA203-049458

Program: Erasmus+ / Strategic partnerships

Role in the project: Project coordinator



Website <http://oerco2.eu>

PROJECT MANAGER – 2015 – 2018

OERCO2: Online Resource Centre for Innovative Study of Life Cycle Analysis of Construction Materials

Project no.: 2016-1-ES01-KA203-02542

Program: Erasmus+ / Strategic partnerships

Role in the project: Partner team leader



ORGANIZER, EDITOR AND REVIEWER – 2007 – CURRENT

International Scientific Conference CIBv - Civil Engineering and Building Services

<http://cibv.unitbv.ro/>

The 3rd China - Romania Science and Technology Seminar CRSTS 2018

<http://iopscience.iop.org/article/10.1088/1757-899X/399/1/011001>



EDITOR AND REVIEWER – 2017 – CURRENT

Journal of Applied Engineering Sciences (JAES)

<https://arhicon.uoradea.ro/ro/cercetare/journal-of-applied-engineering-sciences-jaes>

MDPI Special Issues:

- CivilEng - Machine Learning and AI-Driven Innovations in Concrete Technology and Construction Materials ([CivilEng | Special Issue : Machine Learning and AI-Driven Innovations in Concrete Technology and Construction Materials](#))
- Buildings - Advanced Construction Materials and Technologies for a Sustainable Future ([Buildings | Special Issue : Advanced Construction Materials and Technologies for a Sustainable Future](#))
- Buildings - Development and Characterization of Advanced and Sustainable Cement-Based Materials ([Buildings | Special Issue : Development and Characterization of Advanced and Sustainable Cement-Based Materials](#))

IGI Global books:

- Modeling and Monitoring Extreme Hydrometeorological Events ([Modeling and Monitoring Extreme Hydrometeorological Events: 9781668487716: Physical Sciences & Engineering Books | IGI Global Scientific Publishing](#))
- Circular Economy Implementation for Sustainability in the Built Environment ([Circular Economy Implementation for Sustainability in the Built Environment: 9781668482384: Business & Management Books | IGI Global Scientific Publishing](#))



REVIEWER – 2015 – CURRENT

- MDPI journals: Materials / Sustainability / Applied Mechanics / Applied Sciences / Fibers / Systems / Fractal and Fractional - <https://www.mdpi.com/>
- Cleaner Waste Systems - <https://www.sciencedirect.com/journal/cleaner-waste-systems>
- Biomass Conversion and Biorefinery - <https://link.springer.com/journal/13399>
- CMES Computer Modeling in Engineering & Sciences - <https://www.techscience.com/journal/CMES>
- Drvna industrija Journal (Wood industry) - <http://hrcak.srce.hr/drvnaindustrija>
- Bulletin of the Transilvania University of Brasov - <http://webbut.unitbv.ro/Bulletin/>
- Applied Engineering Letters - <https://www.aeletters.com/>
- Acta Polytechnica Journal of Advanced Engineering - <https://ojs.cvut.cz/ojs/index.php/ap/index>

TRANSILVANIA UNIVERSITY OF BRASOV, FACULTY OF CIVIL ENGINEERING

DEPARTAMENTAL ERASMUS+ COORDINATOR – 2002 – CURRENT

- coordination of mobilities for study and practical placement for students and teachers;
- coordination of international relations.

TRANSILVANIA UNIVERSITY OF BRASOV, FACULTY OF CIVIL ENGINEERING

ALUMNI COORDINATOR – 2009 – CURRENT

- creating and maintaining the connection of the graduates with the academic environment, with the cultural or scientific events, with the projects, professional meetings or conferences organized in the university / faculty;
- elaboration, verification and maintenance of the database with the graduates of the Faculty of Civil Engineering.

TRANSILVANIA UNIVERSITY OF BRASOV, FACULTY OF CIVIL ENGINEERING

LOCAL COORDINATOR FOR THE „EUROPEAN RESEARCHERS NIGHT” PROJECT – 2012 – CURRENT

- organizing and promoting the event, developing partnerships with research institutions and centers;
- organizing activities to promote the fields of research and education within the Transilvania University of Braşov.

TRANSILVANIA UNIVERSITY OF BRASOV, FACULTY OF CIVIL ENGINEERING

CICOC COORDINATOR – 2011 – CURRENT

- local coordination of the activity of the Center for Information, Counseling and Career Guidance (CICOC) which offers opportunities for the development of personal promotion skills, counseling and vocational guidance, assessments, trainings, etc.

FOUNDATION FOR VOCATIONAL TRAINING AND PRE-UNIVERSITY EDUCATION – FUTURE – BRAȘOV, ROMANIA

Website <https://www.calificat.ro/>

LECTOR – 2016 – CURRENT

- didactic activity (teaching and seminar, practical and laboratory works)
- interior design courses, building materials courses.

NATIONAL AUTHORITY FOR QUALIFICATIONS

COMPETENCES AND VOCATIONAL TRAINING ASSESSOR – 2014 – CURRENT

- authorization / accreditation / audit of training programs in the field of constructions and installations,
- evaluation of graduates of vocational training programs.

SMART CREATIVE SOLUTIONS SRL – BUCUREȘTI, ROMANIA

COORDINATING PROFESSOR WITHIN THE PROJECT POSDRU/90/2.1/S/62281 – „ABOUT YOU, FOR YOUR FUTURE” – 2010 – 2013

- development and implementation of the counseling and professional orientation program;
- assistance in enrolling and selecting students;
- maintaining the connection with the project implementation team.

IDTECH SRL – BRAȘOV, ROMANIA

GENERAL MANAGER – 2002 – CURRENT

- design and consulting in constructions and installations.

METAN GRUP SRL – BRAȘOV, ROMANIA

PROJECT ENGINEER – 2001 – 2003

- designing.

● **EDUCATION AND TRAINING**

2002 – 2012

PH.D. IN CIVIL ENGINEERING TRANSILVANIA University of Brasov, Faculty of Civil Engineering

Thesis Efficient elements made of dispersely reinforced concrete with polypropylene synthetic fibers

2005 – 2007

MASTER DEGREE TRANSILVANIA University of Brasov, Faculty of Civil Engineering

Rehabilitation and consolidation of buildings

1996 – 2002

BACHELOR'S DEGREE TRANSILVANIA University of Brașov, Faculty of Silviculture and Forest Engineering

Civil, industrial and agricultural constructions

2014 Cluj-Napoca, Romania

EVALUATOR IN THE CONTINUOUS VOCATIONAL TRAINING SYSTEM AND PROFESSIONAL COMPETENCE ASSESSOR Arc Training SRL

2013 Brasov, Romania

INSPECTOR IN THE FIELD OF OCCUPATIONAL SAFETY AND HEALTH Crup SRL

2011

POSTGRADUATE COURSE FOR TEACHER TRAINING Faculty of Psychology and Educational Sciences,
Transilvania University of Braşov

2010 Kosice, Slovakia

CERTIFICATE Technical University of Kosice

- internship for documentation / doctoral training in "Mechanics of composite materials".

● LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	B2	B2
FRENCH	B1	B1	A2	A2	A2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

● DRIVING LICENCE

Driving Licence: B

● OTHER SKILLS

Other skills

- authorized designer in natural gas projects;
- inspector for health and safety at work;
- graduate of the Teaching Staff Training Department, postgraduate course.

● MEMBER OF PROJECT TEAMS

Technical / educational / research projects

- Supervision services, technical consultancy in order to implement the Contractual Agreement no. 1/85/2019 Design and execution of construction works and installations for 9 objects, 2019
- Research on assessing the state of degradation of a production building, with the destination: Surface treatments, exposed to chemical aggression of the operating environment. Identification and proposals for structural rehabilitation solutions, 2015
- Design and execution of airport movement surfaces, as the second stage of the staged development program of AIBG - Studies and research on identifying and implementing optimal soil compaction procedures and construction of the runway of Ghimbav-Brasov International Airport, 2013
- PRO-DD Institute: Vertical Systematization Project - Atrium Entrance, 2011
- Studies and research on the optimal compaction conditions of cohesive soils - Ghimbav Brasov airport, 2011