

**PERSONAL
INFORMATION**

Olivia Ana Florea

✉ Olivia.florea@unitbv🔗 <https://mateinfo.unitbv.ro/comunitatea-unitbv/384-olivia-ana-florea?highlight=WyJmbG9yZWWEiXQ==>**OCUPATIONAL FIELD**

Associate Professor at Transilvania University of Brasov, Faculty of Mathematics and Computer Science

WORK EXPERIENCE

2016-2019 Vice-Dean at Faculty of Mathematics and Computer Science

2013- present- Study Program Coordinator at Faculty of Mathematics and Computer Science - Conversion in mathematics for teachers from other fields

2011-present - Lecturer at Faculty of Mathematics and Computer Science

2004-2011 - Assistant Professor at Faculty of Mathematics and Computer Science, Department of Differential Equations and Mechanics

**MAIN ACTIVITIES AND
RESPONSIBILITIES
NAME AND ADDRESS
OF EMPLOYER
TYPE OF BUSINESS
OR SECTOR**

Researching and teaching activities; Administration of the faculty web page

Transilvania” University of Brasov,29 Eroilor Bvd, Brasov, Romania

Academic

**EDUCATION AND
TRAINING**

2014-2019 – PhD in Mathematics, Transilvania University of Brasov

2004-2010 PhD in Mechanical Engineering, Transilvania University of Brasov, Romania

2017 – Mobility Fellowship – Transilvania University of Brasov

2016 – Mobility Fellowship – Transilvania University of Brasov

2014-2015 - PostDoctoral Fellow at Faculty of Product Design, Mechatronics and Environment, Transilvania University of Brasov, Romania, Title: *Modeling and simulation of biodynamical systems for improving the operational performances*2014 - *The use of new technologies in the educational process engineering - POSDRU/87/1.3/S/60891- University School of initial and continuing*

training of teachers and trainers in the field of engineering and technical specialties - DIDATEC – Technical University Cluj Napoca

2013 – course Teacher Training in English for Vocational Purposes, British Council, (30 ore)

2011 - 2012 - Tutor in distance education - POSDRU/57/1.3/S/32629
Training of teachers in education for new development opportunities in career - training teachers ensure implementation of curricula, development of specific skills designing and implementing training programs in distance education technology – Bucharest University

2011 – 2012 POSDRU/57/1.3/S/26646 Continuing education blended learning for university teachers - student-centered learning - strategy design, implementation and evaluation of the educational process – Bucharest University

2001-2002 Master Degree in Mathematical Models and Software Products, Faculty of Mathematics and Computer Science, Transilvania University of Brasov

1997-2001 Bachelor Degree in Mathematics, Faculty of Mathematics and Computer Science, Transilvania University of Brasov

**TITLE OF
QUALIFICATION
AWARDED**

2019- PhD in Mathematics, Thesis title: Mixt Problems With Boundary And Initial Data For Generalized Continua, supervisor Prof. dr. habil. Marin Marin

2010 - PhD in Mechanical Engineering, Thesis title: Analytical and Numerical Methods for Solving Problems of Dynamical Systems Applied in the Simulation of Some Components of the Hydraulic Systems, supervisor Prof. Dr. Eng. Mat. Adrian Postelnicu

2004 - ECDL Authorized Examiner

2002 - Master's Degree in Mathematical Models and Software Products

2001 - Bachelor's Degree in Mathematics

**ORGANISATION OF
SCIENTIFIC MEETINGS**

2014, 2016, 2018, 2020 Member of Organizing Committee of MACOS'14, MACOS'16, MACOS'18, MACOS'20 - International Conference on Mathematics and Computer Science, Transilvania University of Brasov, Romania

2013 Member of Organizing Committee of Autumn Scientific Session of Academy of Scientists, Eco - Economy and the Durable Development, 20-21 September 2013, Brasov, Transilvania University of Brasov, Romania

2011 Member of Organizing Committee of The Seventh Congress of Romanian Mathematicians, June 29- July 5, Transilvania University of Brasov, Romania

2006 Member of Organizing Committee of Caius Iacob Conference Fluid Mechanics and its Technical Applications, 19-21 October, Transilvania University of Brasov, Romania

INVITED TEACHER

2013 - TS mobility in the framework of LLP/Erasmus program at Slovak University of Technology in Bratislava, Faculty of Mechanical Engineering, Slovakia (2 weeks)

2012 - TS mobility in the framework of LLP/Erasmus program at Slovak University of Technology in Bratislava, Faculty of Mechanical Engineering, Slovakia (2 weeks)

TEACHING ACTIVITIES

Theoretical Mechanics - Faculty of Mathematics and Computer Science, Special Mathematics and Statistics - Faculty of Product Design and Environment, Electrical Engineering, Solving assisted computer of mathematical problems - Faculty of Material Science and Engineering, Technology of Information and Communication, Faculty of Psychology and Education Sciences, Computer Based Training - Faculty of Psychology and Education Sciences, Transilvania University of Brasov, Romania

MOTHER TONGUE(S)

Romanian

OTHER LANGUAGE(S)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	B1	B1	B1	B1	B1
German	A1	A1	A1	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

COMPETENCE SKILLS

- 2012-2015 Member in Partnerships in Priority Domains (PN II), financed by ANCS, CNDI - UEFISCDI, under the project nr. 130/2012: HEART- High Performance Computing of Personalized Cardio Component Models,
- 2006-2008 - Member in Cncsis Project 405/2006: The dynamical modeling of the blood flow in the Willis circle with clinical applications in the cerebral accident
- 2006-2008 - Member in CEEX Project, Nr. 2-Cex06-8-85 / 19.09.2006: Models and indicators for evaluating the quality of scientific research in universities in the context of knowledge-based society
- Competences for preparing and evaluating studies programs and analytical programs.

COMPUTER SKILLS

▪ Latex, Microsoft Office, Maple, Matlab, Ansys, LabView

DRIVING LICENCE
ADDITIONAL
INFORMATION

- B
- 45 published papers in ISI Journals, ISI Conference Proceedings and DBI Journals
- 1 monograph in dynamical systems
- 4 electronic courses for students
- Member in 3 research projects

MEMBERSHIPS OF
SCIENTIFIC
SOCIETIES

- 2014 - Member, OARSI - Osteoarthritis Research Society International
- 2007 – present - Member of Mathematical Sciences of Romania Society
- 2017 – present – Member ROCAMI - Romanian Consortium of Applied Mathematics in Industry, member of EU-MATHS-IN,