

PERSONAL
INFORMATION

Olivia Ana FLOREA

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WORKPLACE

Institution: Transilvania University of Braşov, Faculty of Mathematics and Informatics, Department of Mathematics and InformaticsPROFESSIONAL
EXPERIENCE**Period:** 2016 – Present**Position** Associate Professor Ph.D. – at DMIN (Department of Mathematics and Informatics), Faculty of Mathematics and Informatics
Employer: Transilvania University of Braşov; Bd-ul Eroilor 29; www.unitbv.ro**Sector:** Teaching/Research/Academic Management**Responsibilities:**

- Academic teaching/research/scientific coordination of dissertations and bachelor's theses, first-degree teaching projects (since 2013)
- Academic management of the Professional Conversion Program in Mathematics (ID) (since 2013), Mathematics – Informatics (IF) program (since 2022)
- Member of the Faculty Council of Mathematics and Informatics; 2019 – Present
- Coordinator of the Mathematics Conversion ID program, 2013 – 2024
- Coordinator of the Mathematics – Informatics program, 2021 – Present

Period November 2023 – April 2024**Position** Vice Dean of Teaching and Research - Faculty of Mathematics and Informatics**Period** April 2016 – February 2019**Position** Vice Dean of Student Affairs, Faculty of Mathematics and Informatics

- Period** 2011-2016
Position Lecturer Ph.D. – Tenured at DMIN (Department of Mathematics and Informatics), Faculty of Mathematics and Informatics
Employer: Transilvania University of Braşov; Bd-ul Eroilor 29; www.unitbv.ro
- Period** 2006-2011
Position Assistant Professor Ph.D. Candidate – Tenured at DMIN (Department of Mathematics and Informatics), Faculty of Mathematics and Informatics
Employer: Transilvania University of Braşov; Bd-ul Eroilor 29; www.unitbv.ro
- Period** 2004-2006
Position Junior Lecturer Ph.D. Candidate – Tenured at DMIN (Department of Mathematics and Informatics), Faculty of Mathematics and Informatics
Employer: Transilvania University of Braşov; Bd-ul Eroilor 29; www.unitbv.ro

EXPERIENCE IN Teaching

- **Role:** Course Coordinator
Activity and Period: Development of course materials and auxiliary teaching materials in ID technology / 2013 – Present;
Face-to-face tutorial preparation / 2013 – Present;
Teaching activity on the eLearning platform / 2008 – Present
Organizing Institution/Trainer: Faculty of Mathematics and Informatics, UTBv – courses in Algebra; Geometry; Numerical Analysis
Faculty of Psychology and Educational Sciences, UTBv – course in ICT
Faculty of Mechanical Engineering, UTBv – courses in Mathematical Analysis, Special Mathematics
- **Role:** Coordinator and Responsible for the Mathematics-Informatics IF study program
Period: 2022 – Present
Institution: Faculty of Mathematics and Informatics, UTBv
- **Role:** Coordinator and Responsible for the Mathematics Conversion ID study programs
Activity: Activities in accordance with the CIDIFR organizational and operational regulations / 2013 – 2024
Institution: Faculty of Mathematics and Informatics, UTBv
- **Role:** Platform Responsible for the MATHEMATICS CONVERSION ID STUDY PROGRAM
Activity: Ongoing activities on the ID-IFR eLearning platform (backup, archiving old courses, generating and configuring online course templates) and training with teaching staff / 2013 – Present
Institution: Faculty of Mathematics and Informatics, UTBv

Participation in Trainings/Conferences and Symposia on ID Technology:

- 2014 – POSDRU/87/1.3/S/60891- DIDATEC, Postgraduate training program: Training in blended learning and modern educational technologies for university education, in Engineering Electronics and Telecommunications, Educational Sciences, Transilvania University of Braşov (80 hours)
- 2011 - 2012 – POSDRU/57/1.3/S/32629, Teacher Training Program: Developing skills specific to designing and implementing educational technology distance learning programs, University of Bucharest
- 2011 – 2012 POSDRU/57/1.3/S/26646 Postgraduate Program in the project Continuous training in blended learning for university teachers, course: Student-Centered Learning – strategies for institutional design, implementation, and evaluation, Module – Student-Centered Strategies, University of Bucharest, Faculty of Psychology and Educational Sciences (66 hours)

EDUCATION AND TRAINING

- **2014-2019** - Ph.D. in Mathematics
Thesis Title: Mixed Problems with Boundary and Initial Data for Generalized Continuous Media
Scientific Coordinator: Prof. Dr. Marin Marin, Transilvania University of Braşov
- **2014-2015** – Postdoctoral Studies in Innovative Products and Processes
Postdoctoral Research Fellowship: Excellence Research, Transilvania University of Braşov, POSDRU/159/1.5/S/134378, Research Topic: Modeling and Simulation of Biomechanical Systems to Improve Operational Performance.
- **2006-2010** – Ph.D. in Engineering Sciences – Mechanical Engineering
Thesis Title: "Analytical and Numerical Methods in Solving Dynamic System Problems Applied in the Simulation of Hydraulic System Components"
Scientific Coordinator: Prof. Dr. Ing. Mat. Adrian Postelnicu, Faculty of Mechanical Engineering, Transilvania University of Braşov
- **2004** - Certified ECDL Examiner
- **2001-2002** – Advanced Studies Diploma in Mathematical Models and Software Products, Faculty of Sciences, Transilvania University of Braşov
- **1997-2001** – Bachelor's Degree in Mathematics, Faculty of Sciences, Transilvania University of Braşov
- **2017** – Mobility Grant from Transilvania University of Braşov – mobility at Universite d'Artois, Bethune, France, 1 week, September 2018
- **2016** – Mobility Grant from Transilvania University of Braşov – mobility at Universidad de Catalunya, Terrassa, Barcelona, 2 weeks, November 2016
- **2013** – Teacher Training in English for Vocational Purposes, British Cultural Center (30 hours)

PERSONAL SKILLS☐ **Mother tongue:** Romanian☐ **Other languages:****English:** Listening: B2, Reading: B2, Speaking: B2, Spoken interaction: B2, Writing: B2**French:** Listening: B1, Reading: B1, Speaking: B1, Spoken interaction: B1, Writing: B1**Communication skills:**☐ Good communication skills acquired through personal experience as a study program coordinator☐ Good communication skills acquired through personal experience as vice dean**Organizational/managerial skills:**☐ Coordinator of Mathematics-Informatics IF study program 2022- Present☐ Coordinator of Professional Conversion Program 2013-2019, 2020 – Present☐ Vice Dean of Student Affairs 2016-2019☐ Vice Dean of Scientific Activity Nov. 2023-Present**Job-related skills**☐ Solid knowledge in the teaching field☐ Interactive teaching techniques☐ Proper use of modern information technology☐ Assessing students' progress using a variety of tools**Computer skills:**☐ Good knowledge of Microsoft Office™ tools☐ Good knowledge of mathematical software; Matlab, MAPLE☐ Good knowledge of LATEX environment**Driving license:**

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**ADDITIONAL
INFORMATION**☐ **Publications:**

- 68 published articles, of which 29 are indexed in Web Of Science
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☐ **Hirsh Index:**

- Google Scholar = 7, Web of Science = 5
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☐ **Projects:**

- Youth Research Grants – UTBv - Numerical modeling of unsteady blood flow in the cerebral tree, 2017-2018
- Romanian Academy, Politechnica University of Bucharest, interacademic bilateral Romania-Belarus, Project: Applications of Finsler–Lagrange geometric methods to field theory and thin film physics, Project leader: Prof. Dr. Vladimir Balan, 2016-2018
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☐ **Conferences:**

- 2024 Member of the organizing committee MACOS'24 - International Conference on Mathematics and Computer Science, 2024, Transilvania University of Braşov
- 2022 Member of the organizing committee MACOS'22 - International Conference on Mathematics and Computer Science, 2022, 15-17 September, Transilvania University of Braşov
- 2018 Member of the organizing committee MACOS'18 - International Conference on Mathematics and Computer Science, 2018, 14-16 June, Transilvania University of Braşov
- 2016 Member of the organizing committee MACOS'16 - International Conference on Mathematics and Computer Science, 2016, 8-10 September, Transilvania University of Braşov
- 2014 Member of the organizing committee MACOS'14 - International Conference on Mathematics and Computer Science, 2014, 26-28 June, Transilvania University of Braşov
- 2013 Member of the organizing committee Autumn Scientific Session of Academy of Scientists, Eco - Economy and Durable Development, 20-21 September 2013, Braşov, Transilvania University of Braşov
- 2011 Member of the organizing committee of The Seventh Congress of Romanian Mathematicians, 2011, June 29 - July 5, Transilvania University of Braşov, Romania
- 2006 Member of the organizing committee of Caius Iacob Conference Fluid Mechanics and its Technical Applications, 2006, 19-21 October, Transilvania University of Braşov, Romania
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☐ **Courses taught:**

- Special Mathematics
- Theoretical Mechanics
- Dynamic Vehicle Simulation
- Multiphysics Simulations
- Mathematical Analysis
- Academic Writing