

PERSONAL INFORMATION

Ovidiu FILIP



✉ ovidiu.filip@unitbv.ro

| Nationality Romanian

JOB POSITION

Teaching in higher education

EXPERTISE FIELD AND RESEARCH INTEREST AREAS

CAD Design, Pneumatic drives, Machine tools

WORK EXPERIENCE

2018 - present

University lecturer

Transilvania University of Braşov, Bd. Eroilor 29, 500036 Braşov, www.unitbv.ro

- Direct teaching, creating teaching materials, preparing for tutorials/seminars and marking students work

Business or sector Teaching and research activity

2005 - 2021

Design engineer

Geometric SRL, Parcul Mic 19, Braşov,

- Design, modelling and drafting of part and assemblies

Business or sector Combine Harvester industry

1996 - 2008

University teaching assistant

Transilvania University of Braşov, Bd. Eroilor 29, 500036 Braşov, www.unitbv.ro

- Creating teaching materials, preparing for tutorials/seminars and marking students work

Business or sector Teaching and research activity

EDUCATION AND TRAINING

2011 -2017
2017

PhD research in Engineering

Award of PhD degree

Transilvania University of Braşov, Bd. Eroilor 29, 500036 Braşov,

- Industrial Engineering

1995 - 1996

Engineer

Transilvania University of Braşov, Bd. Eroilor 29, 500036 Braşov,

- Integrated Manufacturing Systems

1990 - 1995

Engineer

Transilvania University of Braşov, Bd. Eroilor 29, 500036 Braşov,

- Machine Tools

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	B1

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

Communication skills ▪ good communication skills gained through my experience as teacher

Job-related skills ▪ management of large mechanical assemblies
 ▪ a good capacity for analysis and synthesis
 ▪ good knowledge in the design of metal and plastic parts
 ▪ good knowledge and skills to design hose and pipe assemblies

Digital competence ▪ Proficient in the utilisation of the entire Microsoft Office™, ProEngineer and Creo, an average knowledge of ACAD and Catia

Driving licence Driving licence category B

ANNEXES

LIST OF RELEVANT PUBLICATIONS /RESEARCH (selection)

1. FILIP, O., DEACONESCU, A., DEACONESCU, T. Modelling, Simulation and Performance Validation of the Pneumatic Actuation System of a Rehabilitation Device of the Human Hand Joints, MDPI, Applied Sciences, Volume 13, Issue 3, February-1 2023, EISSN 2076-3417, <https://doi.org/10.3390/app13031649>
2. FILIP, O., DEACONESCU, A., DEACONESCU, T. Mechanical Design of a Bioinspired Compliant Robotic Wrist Rehabilitation Equipment, MDPI, Applied Sciences, Vol. 9, Issue 3, February-1 2021, ISSN 2076-3417
3. FILIP, O., DEACONESCU, A., DEACONESCU, T. Experimental Research on the Hysteretic Behaviour of Pressurized Artificial Muscles Made from Elastomers with Aramid Fibre Insertions, MDPI, Actuators, Vol. 9, Issue 3, September 2020, ISSN 2076-8025
4. FILIP, O., DEACONESCU, T. Mathematical modelling of a Fin Ray type mechanism, used in the case of the wrist rehabilitation equipment. In MATEC Web of Conferences, Vol. 94, p. 01006, EDP Sciences, 2017, eISSN 2261-236X
5. FILIP, O., DEACONESCU, T. Finite-element analysis of some pneumatically-actuated wrist-rehabilitation equipment. In MATEC Web of Conferences, Vol. 94, p. 01005, EDP Sciences, 2017, eISSN 2261-236X
6. FILIP, O., DEACONESCU, T. Cutting-Edge Actuating Systems of the Upper Limb Rehabilitation Devices, Advances in Production, Automation and Transportation System, Proceedings of the 6th International Conference on Manufacturing Engineering, Quality and Production Systems (MEQAPS '13), Proceedings of the 4th International Conference on Automotive and Transportation Systems (ICAT '13), pp. 55-59, 2013, ISSN 2227-4588, ISBN 978-1-61804-1937

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