

PERSONAL INFORMATION

Walter Wilhelm THIERHEIMER✉ thierheimer@unitbv.roPOSITION
PhD COORDINATOR
IOSUD UTBVPhD Coordinator
Doctoral studies field: **Mechanical Engineering**
Since: 2017 / FebruaryEXPERTISE FIELD AND
RESEARCH INTEREST AREAS

- Traffic and motor vehicle safety systems, investigation of road events
- Energy Systems and Technical Systems in Agriculture, Food and Tourism

Number of PhD students (currently studying for their PhD): 1

Number of defended PhD theses (to be confirmed): 0

Number of approved PhD titles: 0

WORK EXPERIENCE

February, 2017 - present

University professor Habilitated doctor-conducător de doctorat**Transylvania** University of Braşov, Eroilor Blvd. no. 25, Braşov - Faculty of Food and Tourism, Heroes Blvd., Nr. 29, 500036, Brasov, www.unitbv.ro

- Didactic teaching course, laboratory and seminar, as well as coordination activity
- University education, study of road events and influence on the environment
[Business or sector](#) University education, Doctoral management

2015 - present

University professor**Transylvania** University of Braşov, Eroilor Blvd. no. 25, Braşov - Faculty of Food and Tourism, Heroes Blvd., Nr. 29, 500036, Brasov, www.unitbv.ro

- Didactic teaching course, laboratory and seminar, as well as coordination activity

[Business or sector](#) University education, study of road events and their influence on the environment

2002 - 2 015

Associate Professor, Head of Department Deputy (2008-2011)**Transylvania** University of Braşov, Eroilor Blvd. no. 25, Braşov - Faculty of Food and Tourism, Heroes Blvd., Nr. 29, 500036, Brasov, www.unitbv.ro

- Didactic teaching course, laboratory and seminar, as well as coordination and leadership activity

[Business or sector](#) University education, study of road events and their influence on the environment

1999 - 2002

Lecturer**Transylvania** University of Braşov, Eroilor Blvd. no. 25, Braşov - Faculty of Food and Tourism, Heroes Blvd., Nr. 29, 500036, Brasov, www.unitbv.ro

- Didactic teaching course, laboratory and seminar, person designated to coordinate the transport activity person Student culture house University, Transilvania of Braşov

[Business or sector](#) University education, study of road events

1996 - 1999

Head of International Transport Forklift, Traffic Law Professor

SC ALEXROM SRL Mediaş, Sibiu, Romania

- Coordination of passenger transport activities, commodities and dangerous special products ADR
[Business or sector](#) Controlling, routes optimizing, guiding activities in transport systems, traffic safety and environmental protection

1993 - 1996

Scientific Technical Research Director

SC GEROM SRL Mediaş, Sibiu, România

- Analysis of pipeline transport systems of fluid products - auto-oscillations, thermal variations

[Business or sector](#) Research, training own staff

1990 - 1993

Driving instructor, road traffic law professor (since 1987)

SC DYALEX SRL Braşov, Braşov, România

- Director of Driving School (since 1990), Road Legislation course, Knowing the cars, Traffic Safety

[Business or sector](#) Teaching courses, laboratory, theoretical and practical classes

1984 - 1990

Auto mechanic, Driving instructor

IUGTC Brasov (until 1984)

- Steering and suspension repair Workshop

1981 - 1984 **Business or sector** Exploitation, maintenance, mechanics, construction mechanization
Locksmiths

Unified Hospital Viseu de Sus, Maramures

- Repairs of medical equipment and intervention vehicles

Business or sector Exploitation and maintenance of electromechanical medical devices, vehicles mechanics

EDUCATION AND TRAINING

1998 - 2016 **Certificate of Habilitation** ISCED 8 / EQF 8

Transilvania University of Brasov, Faculty of Law and Sociology

- PhD supervisor, OMENCS no. 5982 of 08.12.2016
- Field of doctoral studies: *Mechanical Engineering*

2005 - 2007 **Master's Degree - Criminal Law of Business** ISCED 7 / EQF 7

Transilvania University of Brasov, Faculty of Law and Sociology

- Elements of the law of business, Corporate law, Competition law Offenses provided for in special laws, Criminal law in depth

2001 - 2006 **Graduate in Law, Law, Bachelor's Degree** ISCED 6 / EQF 6

Transilvania University of Brasov, Faculty of Law and Sociology

- Civil Law, Civil Procedural Law, Criminal Law, Criminal Law, Administrative Law, Transport Law, Environmental Law, Criminology, Criminalistics, Rhetoric

1999 - 2000 **Graduate Certificate of the Department for Teaching Staff Training** ISCED 7 / EQF 6

Transilvania University of Brasov, Department of Teaching Staff Training

- School Psychology, Pedagogy, Methodology of Teaching Specialty

1990 - 1998 **Doctor of Engineering, Doctor's Degree** ISCED 8 / EQF 8

Transilvania University of Brasov, OM no. 4090 of 03.07.1998

- Automotive and Tractor Specialization, Vehicle Dynamics. The theme of the doctoral thesis: Research on the optimization of the steering correlation with the suspension on the cars with the traction on the front

1984 - 1990 **Engineer Diploma - Road Vehicles, Direction of In-depth Research** ISCED 6 / EQF 6

University of Brasov, Faculty of Mechanics

- Vehicle engines, Vehicle dynamics, Vehicle design and construction, Electrical and electronic equipment for motor vehicles, Vehicle reliability and thermo-technical, Vehicle research and testing, Vehicle manufacture and repair of motor vehicles

1977 - 1981 **High school diploma** ISCED 3 / EQF 4

Industrial Highschool Baia Sprie, Maramures

- Electrotechnical profile, electromechanical automotive

PERSONAL SKILLS

Mother tongue(s) ROMANIAN

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
German	B2	C1	B2	B1	C1
English	B1	C1	B1	A2	B1
French	B1	B1	A2	A2	B1
Russian	A2	A1	A2	A1	A1

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

Communication skills

- Ability to adapt to multicultural environments through work experience in Germany, work and concentration ability, adaptability to any working conditions, ability to complete the proposed goals, teamwork (larger or smaller groups due to the specifics of professional duties), Good communication skills as a result of experience, relationship skills

Organisational / managerial skills

- Head of Deputy Chair, 2008-2011,
- Secretary and member of the license commissions, master admissions and admissions at the Faculty of Mechanical Engineering, respectively the Faculty of Food and Tourism,
- Chairperson in the examining committee of pre-university teachers in the programs of the Department for Training of Didactic Staff at the Machines and Installations for Agriculture and Food Industry MIAIA respectively Technological Equipment in the Food Industry UTIA,
- Coordination and preparation of roadside investigation scenarios, responsible for NTSM and PSI,
- Member of the organizing committee: CONAT International Conference - Braşov 1999,
- Member of the international organizing committee: DAAAM International Conference-Vienna 09, 10

Job-related skills

- The conception and use of a wide range of equipment and sensors for experimental testing in the field of advanced special investigations of road events and traffic safety; Optimizing freight and passenger transport routes; Energy sources in agriculture;

Digital skills

SELF-ASSESSMENT

	Information processing	Communication	Content creation	Safety	Problem solving
Microsoft Office™	IU	IU	B	IU	IU
Corel DRAW®	IU	B	B	IU	IU

Levels: Basic user B - Independent user IU - Proficient user PU; [Digital competences - Self-assessment grid](#)

- good command of office suite (word processor, spread sheet, presentation software)
- good command of photo editing software gained as an technical forensic expert
- good command of MATLAB® acquired activity in research

Other skills

- mechanics, electronics, tinsmithing, painting,

ADDITIONAL INFORMATION

- Publications
- Presentations
- Projects
- Conferences
- Seminars
- Honours and awards
- Memberships
- References
- Citations
- H Indexes
- Certifications

A) research and development projects managed as project director:

1. International research contract no. 13438 / 10.31.2014; Beneficiary: ROTTEAM SPRL, Belgium; Theme: Research on the influence of the transport of products at risk on the human body; 2014-2015.
2. International research contract no. 3768 / 27.03.2009; Beneficiary: Protos System Ete Dimokratias, Greece; Theme: Researches on the influence of the environment on the human burden in the transport of persons in mountain tourist resorts; 2009-2010.

B) prizes or other elements of recognition of scientific contributions:

Diploma for the activity in the field of environmental protection at national level, granted by the National Environmental Guard, 2008.

C) a synthesis of the main achievements:

- No books published in international publishing houses: 1
- No books chapters published in international publishing houses: 2
- No books published in national publishing houses: 19
- No ISI indexed works: 10
- No works indexed BDI: 37
- No works in conferences volumes: 103
- Patents: 3 patent: RO 118271 B / BOPI no. 4/2003 of 30.04.2003; RO 129266 A0 / BOPI no. 5/2019 of 30.05.2019; RO 129257 B1 / BOPI no. 1/2020 of 30.01.2020
- Citations: 68
- Hirsch Index: 5

D) Memberships

1. Society of Automotive Engineers in Romania SIAR - since 1992;
2. IPIMEA Institute for Mechanical and Electrical Engineering of Motor Vehicles - founding member;
3. Radu Mărdărăscu University Professor Foundation from 1998;
4. SIA Automobile Engineers Society of France - member since 2008

LIST OF RELEVANT PUBLICATIONS /RESEARCH (selection)

1. Monographs
 - 1.1 Țane, N., Țane, R.N., **Thierheimer, W.** - *Ingineria produselor alimentare de origine vegetală*, Editura Universității **Transilvania** din Brașov, 2012, ISBN 978-606-19-0150-0, Brașov, România;
<http://www.unitbv.ro/editura/Publica%C5%A3iindin2011/Domenii%C5%9Etiin%C5%A3einginer%C5%9Fti.aspx>
 - 1.2 Țane, N., Țane, R.N., **Thierheimer, W.** – *Mașini și instalații agricole pentru ferme agroturistice*, Editura LUX LIBRIS, 2013, ISBN 978-973-131-255-2, Brașov, România;
<http://www.unitbv.ro/editura/Publica%C5%A3iindin2011/Domenii%C5%9Etiin%C5%A3einginer%C5%9Fti.aspx>
 - 1.3 Cojocaru V., Popescu Fl., **Thierheimer W.** - Cercetări privind îmbunătățirea ținutei de drum la autoturismele cu tracțiune pe față, Editura **TRANSVERSAL**, Târgoviște, 2014, ISBN 978-606-605-105-7;
<http://www.bibnat.ro/dyn-doc/publicatii/CIP/Bibliografia%20cartilor%20in%20curs%20de%20aparitie%20CIP%20-%20decembrie%202014.pdf>
 - 1.4 Popescu Fl., Cojocaru V., **Thierheimer W.**, Thierheimer D.C. - Influența controlului electronic asupra dinamicității autoturismelor, Editura ALMA-Craiova, 2014, ISBN 978-606-567-238-3, Craiova.
<http://www.bibnat.ro/dyn-doc/publicatii/CIP/Bibliografia%20cartilor%20in%20curs%20de%20aparitie%20CIP%20-%20decembrie%202014.pdf>
 - 1.5 **Thierheimer, W.**, col.. - *Sisteme de transport*, vol. II, Editura Universității "Transilvania" din Brașov, ISBN 978-606-19-0869-1, Brașov, 2016;
http://alephnew.bibnat.ro:8991/F/UUILE68G6KFKHG72J1898A3T1J1E3JINJEEJ4YA4NVURUKCMYJ-00295?func=item-global&doc_library=NLR01&doc_number=000355299&year=&volume=&sub_library=SEDIU
 - 1.6 **Thierheimer, W.**, col.. - *Motoare cu ardere internă*, Editura Universității "Transilvania" din Brașov, ISBN 978-606-19-1058-8, Brașov, 2018; <http://www.bibnat.ro/Arhiva-Bibliografia-CIP-s294-ro.htm#19>
2. Works published in specialized journals
 - 2.1 Clinciu Mihai, Thierheimer Diana, Tane Nicolae, **Thierheimer Walter** -[Aspects of Side Impact with Vertical Cylindrical Obstacles](#) in 24th DAAAM International Symposium on Intelligent Manufacturing and Automation, 2013, *Procedia Engineering, Volume 69, 2014, Pages 20-26*, Edited by Branko Katalinic, Imprint: ELSEVIER, ISSN: 1877-7058,
<http://www.sciencedirect.com/science/journal/18777058>; <http://www.journals.elsevier.com/procedia-engineering>
 - 2.2 **W. W. Thierheimer**, N. Tane. R. Gruia, L. Gaceu, D. Thierheimer, D. Ola, V. Cojocaru, M. Clinciu – *Risk Arising from Transport Activities*, în Environmental Engineering and Management Journal, December 2010, vol. 9, No. 12 ISSN: 1582-9596, pp. 1667-1670, Publishing House ECOZONE of the OAIMDD, Iași, Romania.
http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol9/no12/14_353_Thierheimer_10.pdf
 - 2.3 **W. W. Thierheimer**, N. Tane. R. Gruia, L. Gaceu, D. Thierheimer, D. Ola, M. Clinciu V., Cojocaru – *Reducing Environmental Pollution from Mobile Sources*, în Environmental Engineering and Management Journal, December 2010, vol. 9, No. 12 ISSN: 1582-9596, pp. 1681-1684, Publishing House ECOZONE of the OAIMDD, Iași, Romania.
http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol9/no12/16_354_Thierheimer_10.pdf
 - 2.4 Alexandru Thierheimer, Cătălin Alexandru, **Walter Thierheimer** - *Aspects regarding the experimental research of the stressors of the human pregnancy in case of road events*, revista: MATEC Web of Conferences IMT ORADEA, issn:2457-8347, 2018, <https://doi.org/10.1051/mateconf/201818401006>
3. Works published in volumes of specialized conferences
 - 3.1 **W. W. Thierheimer**, S. Zamfira, Tr. Bolfa, N. Țane, D.C. Thierheimer – *A possible way to suppress the induced steering due to the rolling motion*, în 4th WSEAS International Conference on Advances in Production, Automation and Transportation Systems, June 1-3 2013, ISBN: 978-1-61804-193-7, ISSN 2227-4588, pp. 369-372, Included in ISI/SCI Web of Science and Web of Knowledge, Recent Researches in Manufacturing Engineering, www.wseas.org, <http://www.wseas.us/indexes/>, <https://hdstest.hebis.de/kassel/ub/EBSCO/Record?id=CN085129568|edsbl>
 - 3.2 **W. W. Thierheimer**, N., Țane, D. C. Thierheimer – *Studies concerning the rolling motion reduction by controlling the steering and gear and the spring rigging correlation*, in Annals of DAAAM for 2008 & Proceedings, Included in ISI/SCI
 - 3.3 Alexandru Thierheimer, Cătălin Alexandru, **Walter Thierheimer** - *Aspects regarding the experimental research of the stressors of the human pregnancy in case of road events*, revista: MATEC Web of Conferences IMT ORADEA, issn:2457-8347, 2018, <https://doi.org/10.1051/mateconf/201818401006>
 - 3.4 Thierheimer Alexandru, Alexandru Cătălin, Siff Michael, Crauciuc Daniel, **Thierheimer Walter** – *Studies on Visibility Embarrassment due to Traffic from the Opposite Direction*, revista: International Journal of Transportation Systems, issn:2534-8876, Volume 5, 2020, <http://www.ias.org/ias/journals/ijs>