

PERSONAL INFORMATION

TODORUȚ V. Ioan-Adrian



ACTUAL WORKPLACE / OCCUPATIONAL FIELD

Technical University of Cluj-Napoca; Faculty of Automotive Engineering, Mechatronics and Mechanics; Department of Automotive Engineering and Transports, Associate Professor

JOB APPLICATION

Technical University of Cluj-Napoca; Faculty of Automotive Engineering, Mechatronics and Mechanics; Department of Automotive Engineering and Transports, Professor

WORK EXPERIENCE

- 2008 (Oct.) - present **Associate Professor, disciplines: vehicle dynamics, dynamics of road accident, elements of vehicle dynamics, dynamic and expertise of road accidents**
 Technical University of Cluj-Napoca, Memorandumului str. no. 28, <https://www.utcluj.ro/>
 ▪ Teaching and research activities: teaching specialized courses; coordinating laboratory work, project work and productive practice; guidance of license and dissertation papers; research activities in the department;
Type or activity field: Department of Automotive Engineering and Transports, Faculty of Automotive Engineering, Mechatronics and Mechanics
- 2002 (Oct.) - 2008 (Sept.) **Lecturer, disciplines: vehicle dynamics, dynamics of road accident**
 Technical University of Cluj-Napoca, Daicoviciu str. no. 15, <https://www.utcluj.ro/>
 ▪ Teaching and research activities: teaching specialized courses; coordinating laboratory work, project work and productive practice; guidance of license and dissertation papers; research activities in the department;
Type or activity field: Department of Automotive Engineering and Transports, Faculty of Mechanical Engineering
- 2000 (Oct.) - 2002 (Sept.) **Assistant lecturer, disciplines: vehicle dynamics, dynamics of road accident, automobile, The operation and maintenance agricultural machinery**
 Technical University of Cluj-Napoca, Daicoviciu str. no. 15, <https://www.utcluj.ro/>
 ▪ Teaching and research activities: coordinating laboratory work, project work and productive practice; guidance of license and dissertation papers; research activities in the department;
Type or activity field: Department of Automotive Engineering and Transports, Faculty of Mechanical Engineering
- 1993 (Sept.) - 2000 (Sept.) **Specialized teacher (prof. eng.) for occupations: Auto mechanic, car painter-tinsmith**
 School of Arts and Crafts UCECOM, Cluj-Napoca, Tineretului str. no. 55/A
 ▪ Education (Education): teaching activities; class master; Member committee graduation of students; member of the National Commission of developing specialized curricula; committee member local, county and national competitions on trades
Type or activity field: Car Technology
- 1993 - 2003 **Lecturer in occupations: Auto mechanic, automotive tinsmith, automotive painter**
 The center of professional training and retraining, at School of Arts and Crafts UCECOM, Cluj-Napoca, Tineretului str. no. 55/A
 ▪ Training students: teaching specialized courses; examining of students
Type or activity field: Car Technology

EDUCATION AND TRAINING

2020	Habilitation, 2020 (OMEC no. 6328/22.12.2020) Technical University of Cluj-Napoca ▪ Fundamental areas: Engineering Sciences, Field: Mechanical Engineering	8 EQF
2001 - 2006	PhD in Mechanical Engineering, 2006 (OMEC no. 5764/28.11.2006) Technical University of Cluj-Napoca ▪ Fundamental areas: Engineering Sciences, Field: Mechanical Engineering	8 EQF
1998 - 2000	Postuniversity academic studies "Road Traffic Engineering", 2000 Technical University of Cluj-Napoca, School of postgraduate Academic ▪ Specialization <i>Road Traffic Engineering</i>	7 EQF
1995	Psychological training, pedagogical, methodical and teaching practice; Certificate of the preparation for the teaching profession (annex to the engineering diploma) "Babes Bolyai" University of Cluj-Napoca, University Pedagogic Seminar ▪ Post graduate, education	
1998 - 1993	Mechanical Engineer, Engineer Diploma, 1993 Technical University of Cluj-Napoca, Faculty of Mechanical Engineering ▪ Specialisation <i>Agricultural mechanics</i>	6 EQF
1983 - 1987	High School (12 classes), Baccalaureate Diploma 1987 High School of Mathematics and Physics in Zalau, County Salaj ▪ Mathematics, Physics; profile Mechanic	4 EQF

PERSONAL SKILLS

mother tongue

Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		SCRIERE
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	A2	A2	A2
French	B1	B1	A2	A2	A2

Communication skills

- Team spirit and good communication skills

Organizational skills / managerial

- Director of Automotive Engineering and Transports Department (May 2016 - February 2020);
- Member of the Automotive and Transportation Department Board, (Nov. 2015 - February 2020);
- Member of the Automotive Engineering, Mechatronics and Mechanics Faculty Board of UTC-N, from the Department of Automotive Engineering and Transports (February 2004 - April 2016, May 2016 - present) - Member of the *Committees: evaluation and quality assurance* (February 2004 - March 2008); *human resources and quality assurance* (March 2008 - May 2012); *quality assurance* (May 2012 - April 2016, May 2016 - October 2016); *HR and staff evaluation* (October 2016 - present);
- Member of the Senate of the Technical University of Cluj-Napoca (UTC-N), from the Department of Automotive Engineering and Transports, (June 2012 - April 2016) - Member of the *Committee for strategy, development and quality assurance*;
- *Commission Responsible for internal evaluation and quality assurance*, the department at the Faculty of Mechanical Engineering away from the UTC-N (April 2005 - June 2016);
- Member of the Commission (appointed by decision BS UTCN no. 647 / 26.04.2005) of Regulation preparation Professional Student Activity Using the European Credit Transfer System (ECTS), UTC-N, 2005;
- Member of the organization of the International Congress AMMA, Cluj-Napoca: AMMA 2002; AMMA 2007; AMMA 2013, AMMA 2018.

Skills acquired at workplace

- Vehicle dynamics, dynamics of road accident, vehicle safety and security in road transport, biofuels;
- Research: automotive engineering and mechanical engineering

Computer skills

- Microsoft Office (Word, Excel, PowerPoint), MathCad, CorelDRAW etc.;
- Experience in operating systems: Windows.

other skills

- Sports (football, athletics, table tennis etc.); Reading (history, philosophy, psychology, psychosociology, nature etc.); hiking; Gardener's; Music; Dance; Drawing

Driving licence

- B + C, (from 1992)

ADDITIONAL INFORMATION

- **Family status:** Married since 1997; One child.
- **Military service:** School of reserve officers - U.M. Lipova, Specialization - Tank, 1987-1988.
- **Scientific activity:**
 - Publications,
 - ↔ *Habilitation thesis:* 1 thesis in Mechanical Engineering;
 - ↔ *PhD thesis:* 1 thesis in Mechanical Engineering;
 - ↔ *Reference Books:* 9 didactic works (2 - single author, 3 - first author; 4 - co-author) published by CNCSIS accredited publishing (with ISBN);
 - ↔ *Chapters in books, international publishers:* 3 (co-author);
 - ↔ *Scientific papers:* 139 scientific papers published in various Congresses / Conferences and CNCSIS recognized magazines in the country and abroad;
 - ↔ *Research activity:* 14 research, development and innovation on contract / grant won by competition - team member;
 - As a teacher and Professor at the Technical University of Cluj-Napoca, Faculty of Automotive Engineering, Mechatronics and Mechanics, Department of Automotive Engineering and Transports, are also involved in training specialists:
 - ↔ (2009 - present), Specialization *Vehicle and Environment* - Master, by the *Advanced elements of automotive dynamics*;
 - ↔ (2010 - 2020), Specialization in *Road Vehicles Logistics* - Master, through the *Advanced Vehicle Safety Systems in road transport*;
 - ↔ (2004 - 2011), *Road Traffic Engineering* Specialization, from the *School of Postgraduate Academic Studies* by the *Dynamics and road traffic accidents expertise*;
 - ↔ (2007 - 2009), specializing *Road Safety* - depth studies through courses: *Active and passive safety of vehicles; Evaluation of the technical condition of the vehicles before and after the accident*;
 - Citations (2010 - present): in papers published in journals indexed *WoS - Web of Science* (236 citations, *h-index:* 5) and *Scopus* (230 citations, *h-index:* 5); *Google Scholar* (721 citations, *h-index:* 10);
 - Awards CNCSIS, CNCS-UEFISCDI, results of research - article 2 (competition 2010 and 2011);
 - *Excellence Award* (received on January 15, 2007) of the Faculty of Mechanical Engineering at the UTC-N, young researchers recognized for outstanding achievements in scientific research and promote the prestige of the university;
 - Member / chairman board of examiners the graduation of undergraduate and master's (2008 - present);
 - Member of the Board of competition for teaching positions in higher education (2012 - present);
 - Member of the National coordination of the national student contest of engineering vehicles "Professor engineer Constantin GHIULAI", the "dynamic vehicles", organized annually (since 2014) by SIAR (Society of Automotive Engineers of Romania) with support from universities carrying Bachelor's degree / master in engineering and motor vehicles for economic entities.
- **Other certifications:**
 - *Certificate of professional competence for the occupation project manager*, issued by CNFPA (National Council for Adult Vocational Training), the Center for Evaluation and Certification Romarketing 2010;
 - Certificate - Teaching degree II, Technical University of Cluj-Napoca, 2000;
 - Certificate - Finalisation in Education, Technical University of Cluj-Napoca, 1996;
 - Certificate of professional training (pedagogy), CCD (Teacher Training) Cluj, 1994.
- **Scientific affiliations:**
 - Society of Automotive Engineers of Romania (SIAR), 2003-present;
 - Society of Automotive Engineers (SAE International), 2004 to 2018;
 - Association of Automotive Engineering and Transports Specialists (ASART), 2016-present;
 - Academic Alliance in the fields of Automotive Engineering and Transportation Engineering (ALIAT), 2017-present;
 - General Association of Engineers in Romania (AGIR), from 2004 to 2012;
 - Science Romanian Association of Machinery and Mechanisms (ARoTMM), 2008-present.

Cluj-Napoca, 10.01.2022

