

PERSONAL INFORMATION

LACHE Simona



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Sex Female || Nationality Romanian

WORKPLACE
JOB POSITION WITHIN IOSUD

Transilvania University of Braşov
PhD Coordinator – Scientific field: Mechanical Engineering
Since 2007

EXPERTISE FIELD AND
RESEARCH INTEREST AREAS

Structural Dynamics, Lightweight Structures

WORK EXPERIENCE

- 2007 – present **University Professor – Ph.D. supervisor**
- 2006 – 2007 **University Professor**
- 2002 – 2006 **University Associate Professor**
- 1998 – 2002 **University Lecturer**
- 1994 – 1998 **University Assistant**
- 1992 – 1994 **University Junior Assistant**

Transilvania University of Brasov, 29 Eroilor Blvd., 500283 Brasov, Romania, www.unitbv.ro, Faculty of Mechanical Engineering, Department of Mechanical Engineering/ Chair of Precision Mechanics and Mechatronics (until 2011).

- Teaching lectures, laboratory and project activities, scientific research.

Business or sector: education and scientific research.

- 2012 – present **Vice-Rector for University Internationalization and Quality Evaluation**

Transilvania University of Brasov, 29 Eroilor Blvd., 500283 Brasov, Romania, www.unitbv.ro

- Development of the university internationalization strategy, development and implementation of the internationalization tools, coordination of the internationalization process at university level.
- Institutional coordinator of the Erasmus+ Programme.
- Elaboration of policies on quality evaluation and quality assurance in the university, providing the framework for conducting activities of quality evaluation of processes and coordination of these activities: annual internal evaluations / internal evaluations in the view of periodical external evaluations (at national and international level).
- Coordinator of the self-evaluation process and contact person for the institutional external evaluation by ARACIS (2013) and international evaluation by IEP-EUA (2012-2013).

Business or sector: university management, education, quality assurance and evaluation in higher education, international relations.

- 2008 – 2012 **Vice-Rector for Quality Assurance and International Evaluation**

Transilvania University of Brasov, 29 Eroilor Blvd., 500283 Brasov, Romania, www.unitbv.ro

- Elaboration of policies on quality evaluation and quality assurance in the university, providing the framework for conducting activities of quality evaluation of processes and coordination of these activities: annual internal evaluations / internal evaluations in the view of periodical external evaluations (at national and international level).
- Coordinator of the self-evaluation process and contact person for the international evaluation by IEP-EUA (2010-2011).

Business or sector: university management, education, quality assurance and evaluation in higher education .

2005 – 2008 **Director of the Liaison Office of the University with the Socio-Economic and Cultural Community**

Transilvania University of Brasov, 29 Eroilor Blvd., 500283 Brasov, Romania, www.unitbv.ro

- Establishing the interface between the university and companies/ organizations from the socio-economic and cultural community.

Business or sector: student practical placement, technologic transfer, lifelong learning.

2004 – 2008 **Scientific Secretary, Faculty of Mechanical Engineering**

Transilvania University of Brasov, 29 Eroilor Blvd., 500283 Brasov, Romania, www.unitbv.ro

- Coordinating the activities in the following fields, at faculty level: scientific research, admission, image promotion.

Business or sector: university management, education and scientific research.

2000 – 2005 **Coordinator of the institutional Socrates/ Erasmus Program at the level of the Faculty of Mechanical Engineering**

Transilvania University of Brasov, 29 Eroilor Blvd., 500283 Brasov, Romania, www.unitbv.ro

- Development of international relations at faculty level. Assuring of the appropriate framework for carrying on the mobility of students and teaching staff. Development of international relations at faculty level.

Business or sector: education and international relations.

- 2024 – present **Member of the Institutional Evaluation and Audit Commission of ARACIS**
- 2015 – 2023 **Member of the ARACIS Council**
- 2015 – 2023 **Director of the Accreditation Department of ARACIS**
- 2012-2015 **Secretary of the Commission of permanent experts for Engineering Sciences 1 of ARACIS**
- 2007 – 2012 **Member of the Commission of permanent experts for Engineering Sciences 1 of ARACIS**
- 2007 – present **ARACIS permanent expert**

Romanian Agency of Quality Assurance in Higher Education, 59 Marasti Blvd., sector 1, Bucharest, www.aracis.ro .

- Quality assurance and evaluation in higher education by:
 - participating, as coordinator of the evaluation team, to study programme reviews (over 70 evaluation missions);
 - participating, as coordinator of the evaluation team, to institutional evaluations (2 evaluation missions);
 - participating, as mission director, to institutional evaluations (3 evaluation missions);
 - participating, as coordinator of the evaluation team, to the evaluation of the first Romanian study programme awarded with the "EURACE label".

Business or sector: quality assurance and evaluation in higher education.

- 2025 – present **President of the Quality and Evaluation Board of UNITA European Alliance of Universities**
- 2025 – present **Member of the Agency Review Committee of ENQA**
- 2021 – present **Member of the Board of Directors of INQAAHE, <https://www.inqaahe.org>**
- 2021 – present **Member of the Board of CEENQA, <https://www.ceenqa.org>**
- 2019 – present **Member of Steering Committee of Institutional Evaluation Programme of EUA**
- 2012 – present **International peer reviewer – IEP-EUA pool member <https://www.iep-qaa.org>**
European University Association – Institutional Evaluation Programme, Avenue de l'Yser, 24, 1040 Brussels, Belgium, www.eua.be/iep
- Development and implementation of the Institutional Evaluation Programme as support for HEIs in development their strategic leadership and capacity to manage change.
 - University management and quality assurance in higher education by participating, as evaluation team member, to the institutional evaluation at international level of universities; 10 evaluation missions, in Czech Republic, Montenegro, North Macedonia, Slovakia, Slovenia, Turkey, Brazil (evaluation with special focus on internationalization).
- Business or sector:** university management, quality assurance in higher education.
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- 2018 – present **International peer reviewer – ENQA pool member**
European Association for Quality Assurance in Higher Education, Avenue de Tervuren, 36-38 – bte 4, Brussels, Belgium, www.enqa.eu
- Quality assurance and evaluation in European higher education by participating, as evaluation team member, to the external evaluations of quality assurance agencies; 9 evaluation missions in Spain (2), Turkey, Russia, Germany, Armenia, Norway, France, UK.
- Business or sector:** quality assurance and evaluation in higher education.
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- 2017 – present **International peer reviewer – ENAEE/ EUR-ACE Label Committee member**
European Network for Accreditation of Engineering Education, REGUS EU Commission, Rond-Point Schuman 6, 6th floor, BE - 1040 Brussels, Belgium, www.enaee.eu
- Quality assurance and evaluation in higher education by participating, as evaluation team member, to the external evaluations of quality assurance agencies authorized to award the EUR-ACE Label/ study programmes searching for EUR-ACE label; 4 evaluation mission, in Ireland, Finland, Germany and Switzerland.
- Business or sector:** quality assurance and evaluation in higher education.
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- 2017 – 2018 **International peer reviewer – SHARE Project (European Union Support for Higher Education in the ASEAS Region)**
European funded project implemented by British Council, Campus France, DAAD, Nuffic, ENQA, EUA;
- Quality assurance and evaluation in European higher education by participating, as evaluation team member, to the institutional evaluation at international level of universities; participation in 2 evaluation missions of ASEAN universities, in Thailand and Vietnam.
- Business or sector:** quality assurance and evaluation in higher education.
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- 08.2014 – 11.2015 **Quality management expert**

Romanian Agency of Quality Assurance in Higher Education, 1 Schitu Măgureanu Blvd., sector 5, Bucharest, www.aracis.ro/ Transilvania University of Brasov, 29 Eroilor Blvd., 500283 Brasov, Romania, www.unitbv.ro

POSDRU/155/1.2/S/141884 "Virtual community for quality assurance and innovative strategic management in technical and comprehensive universities, for enhancing the relevance of the higher education on the labour market – ACAD-INOV"

- Coordinating studies, analyses, reports on quality assurance.

Business or sector: quality assurance and evaluation in higher education.

05.2014 – 11.2015 **Brasov regional coordinator**

Romanian Movement for Quality, 8 Parului str., Craiova, Romania, www.mrco.ro / Transilvania University of Brasov, 29 Eroilor Blvd., 500283 Brasov, Romania, www.unitbv.ro.

POSDRU/160/2.1/S/133020 "Enhancing students and graduates employability on the labour market by counselling and practical placement".

- Coordinating counselling and professional orientation activities, national and international practical placement of students from Transilvania University of Brasov.

Business or sector: counselling and professional orientation, student practical placement.

09.2010 – 06.2013 **Brasov regional coordinator**

Romanian Movement for Quality, 8 Parului str., Craiova, Romania, www.mrco.ro / Transilvania University of Brasov, 29 Eroilor Blvd., 500283 Brasov, Romania, www.unitbv.ro.

POSDRU/90/2.1/S/64210 "University – Enterprise trans-national partnership for student practical placement".

- Coordinating national and international practical placement of students from Transilvania University of Brasov.

Business or sector: student practical placement.

10.2012 – 01.2013 **Quality assurance expert**

Romanian Agency of Quality Assurance in Higher Education, 1 Schitu Măgureanu Blvd., sector 5, Bucharest, www.aracis.ro .

- Participation to the development of the European Joint Master's Strategic Management and Cooperation in Border Security (FRONTEX) – the perspective of the national accreditation body, 29-30.10.2012, Gaeta – Italy and 23-24.01.2013, La Valetta, Malta.

Business or sector: quality assurance and evaluation in higher education.

Quality assurance expert

Romanian Agency of Quality Assurance in Higher Education, 1 Schitu Măgureanu Blvd., sector 5, Bucharest, www.aracis.ro .

POSDRU2/1.2/S/1 "Quality assurance in Romanian higher education in European context. Academic quality management development at system and institutional level".

- 09.2011 ▪ Participating, as lecturer, to the ARACIS external evaluators training, Bucharest 19-20 September 2011;
- 11.2010 – 01.2011 ▪ Simulation of tertiary indicators application and results analysis;
- 06.2010 – 07. 2010 ▪ Participating, as lecturer, to the ARACIS external evaluators training, Constanta 1-3 July 2010;
- 03.2010 – 05. 2010 ▪ Improving the tertiary quality indicators and establishing of a correspondence between the quality indicators and the competences acquired following the study programmes.

Business or sector: quality assurance and evaluation in higher education.

06.2011 **Quality assurance expert**

S.C. TTINI SMART IDEAS SRL, 59 Mărăști Blvd., sector 1, Bucharest / Technical University of Civil Engineering Bucharest, 122-124 Lacul Tei Blvd., sector 2, Bucharest, www.utcb.ro.

POSDRU/ 86/1.2/S/63140 "Online university cooperation network for development the capacity of providing superior competences in the geodesic field".

- Teaching lectures for university teaching staff of Technical University of Civil Engineering Bucharest - responsible with the quality assurance and master/ bachelor study programmes development.

Business or sector: quality assurance and evaluation in higher education.

 11.2010 – 04.2011 **University expert**

Technical University of Cluj-Napoca, 28 Memorandumului str., 400114 Cluj-Napoca, www.utcluj.ro / Transilvania University of Brasov, 29 Eroilor Blvd., 500283 Brasov, Romania, www.unitbv.ro.

POSDRU/8/71.3/S/64069 "Flexible Trainig Program on Mechatronics Platforms – FLEXFORM".

- Teaching activities – lectures and applications on specific issues; development of training material.

Business or sector: education and lifelong learning.

 2010-2013 **University expert**

National Institute of Research and Development in Mechatronics and Measurement Technique, 6-8 Sos. Pantelimon, Sector 2, Bucharest, www.incdmtrn.ro / Transilvania University of Brasov, 29 Eroilor Blvd., 500283 Brasov, Romania, www.unitbv.ro.

POSDRU/90/2.1/S/62144 „Education development in the view of enhancing labour market viability through mechatronics-integronics innovative vectors”

- Teaching activities – lectures and applications on specific issues; development of training material.

Business or sector: education, training and professional orientation of students

 2008-2011 **Expert collaborator**

Executive Unit for Financing Higher Education, Research, Development and Innovation, 1 Schitu Magureanu str., sector 5, Bucharest, www.uefiscdi.ro

POSDRU/2/1.2/S/3 "Quality and Leadership for Romanian Higher Education"

- Responsible for the technical implementation of the project and for organizing the training placements for students.

Business or sector: quality assurance and evaluation in higher education.

 008-2009 **University expert**

SC „Educatia 2000+ Consulting” SRL, 244 Basarabia Blvd., sector 3, Bucharest, www.cedu.ro

PHARE 2006/018-147.05.01 „Quality Education for Labour Market ”

- Coordinating activities of evaluation – design – implementation in the field of mechanical engineering.

Business or sector: quality assurance and evaluation in higher education.

 2008 **University expert**

WYG International Consulting SRL, 5 Scarlatescu str., sector 1 Bucharest, www.wyg.ro

PHARE RO 2005/017-553.04.01.02.04.01.03 "Technical Assistance for Institution building in the TVET Sector, Romania"

- Participating to the elaboration of the guide for internal evaluation of the Romanian higher education institutions.

Business or sector: quality assurance and evaluation in higher education.

EDUCATION AND TRAINING

1995 – 2000 **Ph.D. in Engineering Sciences, field of Mechanical Engineering** level 8 EQF
 Transilvania University of Brasov, Romania
 ▪ Competences and skills acquired in the field of scientific research

1993 – 1995 **European Master in Energy Management and Mechanical Engineering** level 7 EQF
 Technical University of Cluj-Napoca, School for post-university studies/ international master programme within the framework of TEMPUS Programme JEP 3503.
 ▪ Robotics, Computer Aided Design, Energy production and management, Advanced finite element method for mechanical engineers, Management principles, Financial management.

1986 – 1991 **Engineer** level 6 EQF
 Transilvania University of Brasov, Faculty of Mechanics
 ▪ Competences and skills acquired in the field of Mechanical Engineering, Precision Mechanics programme, Automation specialization.

Other courses/ training stages

- In the field of university management:**
- 08-10.12.2010 University management training course “Higher education institutions as organizations – strategic management”, organized in the framework of the strategic project „University management improvement” at Academy of Economic Studies, Bucharest.
 - 23-29.05.2010 Study visit and training in the field of university management, London, UK.
- In the field of quality assurance in higher education:**
- 15-16.09.2022 Annual Seminar for IEP reviewers, Brussels, Belgium.
 - 19-20.09.2019 Annual Seminar for IEP reviewers, Geneve, Switzerland.
 - 31.05-01.06.2018 Training Seminar for ENQA reviewers, Madrid, Spain.
 - 04-05.12.2017 Training on ASEAN Quality Assurance Framework, SHARE project, Manila, Philippines.
 - 21-22.09.2017 Annual Seminar for IEP reviewers, Zurich, Switzerland.
 - 29-30.09.2016 Annual Seminar for IEP reviewers, Lausanne, Switzerland.
 - 01-02.10.2015 Annual Seminar for IEP reviewers, Riga, Latvia.
 - 02-04.10.2014 Annual Seminar for IEP reviewers, Porto, Portugal.
 - 26-27.09.2013 Annual Seminar for IEP reviewers, Bucharest, Romania.
 - 03-05.10.2012 Annual Seminar for IEP reviewers, Bucharest, Romania.
 - 10.11.2017 Training Seminar on “Standards for periodic evaluation of the domains of master studies”, Bucharest.
 - 24.09.2011 Training within the Regional Seminar no. 5 – Centre Region: “Quality assurance in Romanian higher education in European context. Academic quality management development at system and institutional level”, Contract nr. POSDRU/2/1.2/S/1
 - 8-10.03.2010 Participation to the training “Peer Learning Action (PLA) New Skills for New Jobs”, Hague, Netherlands – as representative of the Romanian higher education institutions.
 - 05-11.10.2008 Study and training visit regarding the UK quality assurance in higher education, in the framework of the project PHARE TVET 2005/017-553.04.01.02.04.01.03.
 - 04-05.06.2008 Training within the National Seminar upon implementation of the efficient systems of quality

- 17-19.05.2007 assurance and quality improvement within the Romanian higher education institutions, in the framework of the project PHARE TVET 2005/017-553.04.01.02.04.01.03, Sinaia.
Training for ARACIS external evaluators, Sinaia.
- In the field of mechanical engineering – education and scientific research:**
- 06.11-11.12.2020 NAFEMS Approved Training Course on Basic FEA
- 08-21.09.2003 Specialization stage within the Leonardo da Vinci project “Exchange of Competencies in Order to Develop Software Tools in Electrical & Mechanical Field For A Virtual & Remote Laboratory, SOFT-LAB”, Universite de Poitiers, France (ref. RO/2002/PL89223/EX).
- 23.06. -03.07.2002 Course “NATO-ASI: Virtual Nonlinear Multibody Systems”, Technical University of Prague, Czech Republic, grant financed by the Advanced Study Institute NATO.
- 10-19.09.2001 Course “NATO-ASI: Responsive Systems for Active Vibration Control”, Université Libre de Bruxelles, Belgium, grant financed by the Advanced Study Institute NATO.
- 01-30.10.1996 Specialization stage for Ph.D. research, Katholieke Universiteit Leuven, Belgium.
- 01.01-31.08.1995 Specialization stage at Katholieke Universiteit Leuven, Belgium, grant financed by the European Community within the TEMPUS project JEP 3503.
- In the field of distance learning (e-learning):**
- 01.12.2005-30.01.2006 Distance learning training module (web platform) “Information Technology in Education”, in the framework of the Leonardo da Vinci “WBT World” project (ref. RO/02/B/F/PP 141053).
- 01.12.2005-30.01.2006 Distance learning training module (web platform) “Web Designing and Use of Web Page Tools”, in the framework of the Leonardo da Vinci “WBT World” (ref. RO/02/B/F/PP 141053).
- In the field of lifelong learning:**
- 08-23.03.2003 Lifelong learning training module “Université antreprenoriale” in the framework of the Leonardo da Vinci project, “Relația universității – întreprinderi” (“University – Enterprise Relation”), Universite Pierre et Marie Curie – Paris VI, France (ref. RO/2002/PL89152/EX)
- In the field of enterprise appraisal:**
- 11.2001-01.2002 Course of enterprise appraisal, organized by the National Association of the Romanian Evaluators - ANEVAR.

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user
French	B2 Independent user	B2 Independent user	B2 Independent user	B2 Independent user	B2 Independent user

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user

Communication skills

- good communication skills gained through personal experience as university professor, management experience and that of participant in many project teams at national and international level;

Organisational / managerial skills

- good organizational / managerial skills formed on the basis of experience in various management positions held and the coordination of scientific research and education projects at national and international level;

Computer skills

- good command of e-office tools (MsOffice - Word, Excel, Access, Powerpoint, Adobe), internet;
- good command of specific CAD/CAE tools (AutoCAD, CATIA, ANSYS, Virtual.Lab, Matlab, Mathcad, VisualBasic).

Driving licence

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ADDITIONAL INFORMATION

Publications	11 books and book chapters, over 80 articles and scientific papers published in journals and proceedings of international conferences;
Research & education grants/ contracts	Participation in 28 grants funded by competition (to 8 of them as director/ responsible) and 11 research contracts (to 2 of them as director);
Awards	ENAAE 2024 Authorised Agency Evaluators Award;
International journals reviewer	Materials and Design (Elsevier), Polymers Testing (Elsevier), Mechanics Based Design of Structures and Machines (Taylor & Francis);
Affiliations	<ul style="list-style-type: none">▪ OI-Net (<i>Open Innovation Network</i>),▪ SRMTA (<i>Societatea Română de Mecanică Teoretică și Aplicată/ Romanian Society of Theoretical and Applied Mechanics</i>),▪ AGIR (<i>Asociația Generală a Inginerilor din România/ Romanian General Association of Engineers</i>),▪ SROMECA (<i>Asociația Română de Mechatronică/ Romanian Association of Mechatronics</i>),▪ SRR (<i>Societatea Română de Robotică/ Romanian Society of Robotics</i>).
Hirsch Indexes	H Index WoS = 6; H Index Scopus = 7; H Index Google Scholar = 9
References	<ul style="list-style-type: none">▪ On request.

Brașov, 11.05.2026