



INFORMAȚII PERSONALE

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Nationality: Romanian

WORKPLACE

Technical University "Gheorghe Asachi" of Iasi, Faculty of Mechanical Engineering, Department of Mechanical Engineering, Mechatronics and Robotics (I.M.M.R.), 43 Prof. Dimitrie Mangeron Blvd., Iași, 700050

PROFESSIONAL EXPERIENCE

- 2022-present **Consultant** – Mechanical Engineer Grade 11, ME4_ME Specialist_Automotive Continental Automotive Romania – Iași, Bulevardul Poitiers 6
- 2021-present **Habilitated Professor**
Technical University "Gheorghe Asachi" of Iasi, Faculty of Mechanical Engineering, Department of Mechanical Engineering, Mechatronics and Robotics (I.M.M.R.)
- 2009-2021 **Associate Professor**
Technical University "Gheorghe Asachi" of Iasi, Faculty of Mechanical Engineering, Department of Mechanical Engineering, Mechatronics and Robotics (I.M.M.R.)
- 2003-2009 **Lecturer**
Technical University "Gheorghe Asachi" of Iasi, Faculty of Mechanical Engineering, Department of Machine parts and Tribology (O.M.T.)
- 2000-2003 **Assistant Professor**
Technical University "Gheorghe Asachi" of Iasi, Faculty of Mechanical Engineering, Department of Machine parts and Tribology (O.M.T.)
- 1996-2000 **Ph.D. Student and assistant professor**
Technical University "Gheorghe Asachi" of Iasi, Faculty of Mechanical Engineering, Department of Machine parts and Tribology (O.M.T.)

EDUCAȚIE ȘI FORMARE

- 2003-2004 **Post-doctoral fellowship**
Institute National des Sciences Appliquees (INSA) de Lyon, Franța
Departement Genie Mecanique Development (GMD)
- 1996 -2002 **Ph.D. in Mechanical engineering**
Scientific title of Doctor of Engineering in Mechanical Engineering, with the distinction MAGNA CUM LAUDAE, obtained by Order of the Minister of Education, No. 4900 of 11.11.2002.

- 1995-1996 **Master's degree in Optimal Manufacturing Systems.**
 Technical University Gh. Asachi Iași, Faculty of Machine Manufacturing, Department of Machine Tools (M.U.S.)
- 1994-1996 **Diploma in Pedagogy, Methodology and Psychology** (No. 9002/25-06-96 according to Law No. 793/1971).
- 1990-1995 **Bachelor's degree in Mechanical Engineering** (head of class with best marks)
 Technical University Gh. Asachi Iași, Faculty of Machine Manufacturing, Department of Machine Tools (M.U.S.)
- 1986-1989 **Baccalaureate Diploma** - "Carol I" High School in Bicaz, Neamț

PERSONAL SKILLS

Native language Romanian language

Other known foreign languages

	COMPREHENSION		SPEAKING		WRITING
	Listening	Reading	Conversation	Oral speech	
English	B1	B1	C1	C1	C1
French	C1	C2	C1	C2	C1

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

Communication skills ▪ good communication skills acquired through experience of teaching various subjects in over 20 years of professional experience.

Organizational/managerial skills

- Contract manager on 6 research contracts
- Member of the organizing committee of COMEFIM09, ACME2010, ROTRIB2023 conferences, etc.

Professional skills

- a good knowledge of teaching methods and verification of knowledge acquired by students

Skills in computer operation and programming

SELF-ASSESSMENT

Processing information	Communication	Creating content	Security	Solving problems
Experienced user	Experienced user	Experienced user	Experienced user	Experienced user

Levels: Elementary user - Independent user - Experienced user

- - knowledge of working with computers (Internet, e-mail, Microsoft Office, Adobe editor)
- - programmer in the following languages: LabVIEW, MATLAB, MathCAD, SolidWorks, AutoCAD, C language.

Fields of expertise	<ul style="list-style-type: none"> ▪ Bearings ▪ Tribology (materials, lubricants, lubrication, friction and wear) ▪ Signal processing and data acquisition ▪ Machinery components ▪ Automotive and railway transmissions ▪ Vibro-acoustic diagnostics ▪ Computer-aided programming and design ▪ Tribological testing
Other skills	<ul style="list-style-type: none"> ▪ Practical experience in designing and building material and lubricant testing machines ▪ Experience in designing data acquisition and signal processing chains

Driving licence Category B

ADDITIONAL INFORMATION

Awards	<ul style="list-style-type: none"> ➤ TOP PEER REVIEWER AWARD IN CROSS-FIELD, September 2019, honoring the elite contribution to scholarly peer review and editorial pursuits internationally, awarded by WEB OF SCIENCE GROUP. (https://publons.com/researcher/1445457/viorel-paleu) ➤ 2021 OUTSTANDING REVIEWER AWARD from Machines (MDPI) https://www.mdpi.com/journal/machines/awards/1328 https://www.mdpi.com/journal/machines/awards/1328/download ➤ IOP TRUSTED REVIEWER, Issued September 2023, Credential ID 81719065, awarded by IOP Publishing, (https://accreditations.ioppublishing.org/ebe6ea98-8427-4de9-b19b-c884ffc10214#qs.74s8om)
Distinctions	<ul style="list-style-type: none"> ➤ UEFISCDI Award 2018, for the paper Paleu et al. (2018), Smart Materials and Structures, 27(7), 075026. doi:10.1088/1361-665x/aac4c5, IF = 3.613 (R1 in the list of papers); Code PRECISI-2018-34800 ➤ UEFISCDI awards for 2020, papers in Journal of Cleaner Production (2020), IF = 7.2 and Metals (2020), IF = 2.11 and for 2021 (Metals and Coatings) ➤ 2002, PhD thesis with Magna Cum Laudae distinction
Publications	<p>Author or co-author of 11 textbooks, tutorials and books published in CNCSIS-recognized publishers or on internet and co-author of two book chapters (Springer Nature, 2019; Intechopen, 2020).</p> <p>A total of more than 100 scientific papers published or presented at international scientific events or meetings at home and abroad, out of which on 70 of the papers as sole author, first author or corresponding author.</p> <p>-56 IDB papers, including 28 ISI Web of Knowledge (WoK) indexed papers, of which 11 papers published in ISI publications with impact figures above 1.5, most of them from the last 3 years: one as first author (Smart Materials and Structures, 2018, IF=3.613), seven papers as corresponding author (Symmetry 2023, Lubricants 2023, Forests 2022, IF=2.634, Coatings 2020, IF=2.43; Metals 2020 and Metals 2021, IF=2.117, Materials 2021, IF=3.6), 3 as co-author on position 2 out of 6 (Tribology International, 2019, IF=4.271 and Journal of Cleaner Production, 2020, IF=7.246), Journal of Materials Engineering and Performance, 2021, IF=1.652 and one in Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2020, IF=1.397), as well as older papers (first author: Lubrication Science, 2005, IF= 1.812; co-author: Tribology Transactions, 2008, IF=1.511 and Lubrication Science, 2004, IF=1.812).</p> <p>- Sole author, first author or corresponding author on 41 out of 56 BDI papers; 38 out of 56 BDI papers published after 2009.</p>
Citations	<p>- over 300 citations in WoS journals (128 citations), BDI and Ph.D. theses (citations in ISI - WOS journals with high impact factor, sum of citation impact factors exceeding the number of citations).</p>

Fellowships and grants	<ul style="list-style-type: none"> ➤ Grant TEMPUS IMG-97-RO-2096 (Individual Mobility Grant), 1998, Individual Education and Training, INSA de Lyon, France, director and sole member as. drd. eng. V. Paleu, awarded by the European Commission in Brussels and certified by the International Relations Department - UTI and INSA Lyon. ➤ SOCRATES ERASMUS - LaMCoS scholarship, INSA-Lyon (France), during the academic year (1999-2000), contact person prof.dr.eng. Daniel Nelias, director of LaMCoS, INSA Lyon. ➤ EGIDE post-doctoral fellowship - LaMCoS, INSA-Lyon (France), during the academic year (2002-2003), contact person prof.dr.eng. Daniel Nelias, director LaMCoS, INSA Lyon, period 1-01-2003 / 31-08-2003. ➤ AUF post-doctoral fellowship - LaMCoS, INSA-Lyon (France), during the academic year (2003-2004), contact person prof.dr.eng. Daniel Nelias, director LaMCoS, INSA-Lyon, period 1-10-2003 / 31-07-2004.
Projects	<p>Contract manager on 5 national grants and research team member on more than 20 national and international grants with prestigious companies in France (ALSTOM, Societe Nationale des Roulements -SNR) and Romania (Metalubs, 2018) and multinational contracts (EUROBEARINGS, SUPERSONIQUE).</p> <ol style="list-style-type: none"> 1. International TEMPUS grant IMG-97-RO-2096 (Individual Mobility Grant), 1998, Individual Education and Training, INSA de Lyon, France, director and sole member asst. drd. eng. V. Paleu, amount 3750 Euro, awarded by the European Commission in Brussels. We initiated the conclusion of a Socrates Erasmus agreement, still valid today; we carried out tests on lubricants, resulting in joint publications. 2. Metalubs economic agent contract, no.488/2018, Tribometer testing of Metalubs lubricants, director conf.dr.eng. V. Paleu, year 2018, value 17 226 RON, Publications: Metalubs online report (100 pages.). 3. GRANT CNCSIS type A - 77/2008 theme 28, value 63 000 RON, director conf.dr.eng. V. Paleu 4. GRANT CNCSIS type A - 33/2007 theme 17, value 74 837 RON, director conf.dr.eng. V. Paleu 5. ANSTI GRANT 6177/2000 - theme A36/2001, Increasing the speed of machine tools by using hybrid ceramic ball bearings, value 29 500 000 ROL, director and sole team member drd.eng. V. Paleu 6. GRANT ANSTI 6177/2000 theme B33/2000, Increasing the speed of machine tools by using hybrid ceramic ball bearings, value 23 000 000 ROL, director and sole team member drd.eng. V. Paleu
Information and documentation visits	<ul style="list-style-type: none"> - ALSTOM - Ornans Etablissement, France (2000) - INA - Germany (2000). - SNECMA, France (2003) - SNR - Annecy, France (2004)
Member in professional associations	<ul style="list-style-type: none"> • Vice-President of the Romanian Association of Tribology (ART). • President of the Romanian Association of Mechanical Transmissions (ROAMET), Iasi subsidiary. • Member of the professional associations Romanian Mechatronics Society - SROMECA, and AMIS

Activity as a reviewer for WoS-listed journals	Reviewer for more than 50 - WOS journals of ELSEVIER (Tribology International – 85 reviews, Mechanical Systems and Signal Processing, Applied Surface Science, Materials Science & Engineering A), I. O.P. (Surface Topography: Metrology and Properties), Springer (Friction), SAGE - Part C: Journal of Mechanical Engineering Science, SAGE - Part J: Journal of Engineering Tribology, Plos One, Defence science journal, M.D.P.I. publishers (Sensors, Lubricants, Materials, Energies, Symmetry, Coatings, Entropy, Applied Sciences, Mathematics, etc.), etc. (more than 600 I.S.I. - WOS reviews during 2018-2023) .
International conferences	Reviewer at international conferences: ASME International Design Engineering Technical Conferences & Computers and Information in Engineering Conference 2009, DIPRE - Galati; ACME - Iasi, 2008 -2020; ROTRIB - Romania, 2010-2019; IMANE - Romania 2015-2019, AMMA - Cluj, 2018, TRIBOINDIA 2020, ACME 2022, IMANEE 2023, etc.
Member of scientific committees of international conferences	Member of the scientific committee and chairman for scientific sessions at ROTRIB (2010-present), ACME (2010-present) and IMANE (2017) conferences, and in the international scientific committee of ICAM 2020; 2022 - International Conference on Advanced Material Science 2020, India
Credentials	- accredited by the French Ministry of Youth, Education and Research for the position of Maître des Conférences (MFC) in French universities, by international competitive examination, accreditation no. 03260136873 of 30/01/2003.
Initiating international scientific collaborations	Initiator of the signing of a Memorandum of Understanding (MoU) from 05.04.2019, which formalizes the scientific collaboration between Technical University "Gheorghe Asachi" of Iasi and SRM Institute of Science and Technology, Kattankulathur - India, period 2016-present, contact person prof.dr.eng. V. Paleu and prof. dr.eng. Shubrajit Bhaumik.
Member of editorial boards	2021, included in the Reviewer Board of Metals - MDPI Publishing (impact factor 2.351) https://www.mdpi.com/journal/metals/submission_reviewers 2023, Topic Topical Advisory Panel and Editor of Signals - MDPI Publishing.


Data:

Signature:

1.10.2023


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scholar.google.com/citations?user=7gtc5hoAAAAJ&hl=en&authuser=1



Viorel Paleu

[Gheorghe Asachi Technical University of Iasi](#)
 Verified email at academic.tuiasi.ro - [Homepage](#)
 tribology friction wear rolling bearings lubrication

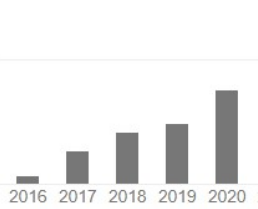
 FOLLOWING

TITLE  	CITED BY	YEAR
<input type="checkbox"/> Tribological investigation of r-GO additived biodegradable cashew nut shells liquid as an alternative industry lubricant S Bhaumik, V Paleu, R Pathak, R Maggirwar, JK Katiyar, AK Sharma Tribology International 135, 500-509	33	2019
<input type="checkbox"/> Prediction of roller skewing in tapered roller bearings D Nelias, I Bercea, V Paleu Tribology transactions 51 (2), 128-139	27	2008
<input type="checkbox"/> Tribological analyses of a new optimized gearbox biodegradable lubricant blended with reduced graphene oxide nanoparticles S Bhaumik, M Kamaraj, V Paleu Proceedings of the Institution of Mechanical Engineers, Part J: Journal of ...	24	2021
<input type="checkbox"/> Microstructural analysis and tribological behavior of AMDRY 1371 (Mo–NiCrFeBSiC) atmospheric plasma spray deposited thin coatings CC Paleu, C Munteanu, B Istrate, S Bhaumik, P Vizureanu, MS Bălțatu, ... Coatings 10 (12), 1186	20	2020
<input type="checkbox"/> A new application of Fe-28Mn-6Si-5Cr (mass%) shape memory alloy, for self-adjustable ...	19	2018

Cited by

All

Citations	361
h-index	10
i10-index	10



2016 2017 2018 2019 2020 21

Public access

0 articles

not available

Based on funding mandates