

INFORMAȚII PERSONALE

Mihai Tiberiu Lateș


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EXPERIENȚA PROFESIONALĂ

2007 – Conferențiar
2004 – 2007 Șef lucrări
2002 – 2004 Asistent
2000 – 2002 Preparator

Universitatea Transilvania din Brașov, Brașov, B-dul Eroilor, nr.29, România www.unitbv.ro

Departamentul Design de Produs, Mecatronică și Mediu (Catedra Design de Produs și Robotică)

▪ Activități didactice și de cercetare

Tipul sau sectorul de activitate Organe de mașini, Metoda Elementului Finit, Tribologie, Sisteme Eoliene

EDUCAȚIE ȘI FORMARE

2003 – Doctor Inginer – Inginerie Mecanică
1998 – 2003 Doctorand
1998 – 1999 Studii Aprofundate – Ingineria Sistemelor Mecanice de Transmitere a Puterii - Inginerie Mecanică
1993 – 1998 Inginer, Specializarea Roboți Industriali, Facultatea de Inginerie Tehnologica, Universitatea Transilvania Brasov
2012 Curs Training ANSYS 14.0
2002 Cursuri postuniversitare – Informatică aplicată

Universitatea Transilvania din Brașov, Brașov, B-dul Eroilor, nr.29, România www.unitbv.ro

Technische Universität Dresden, Germania – soft educațional, limba germană

COMPETENTE PERSONALE

Limba(i) maternă(e) Română

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleză	C1	C2	C1	C1	B2
Certificat de compententa lingvistica					
Maghiară	C1	B2	B2	B2	A2

Competențe organizaționale/manageriale 2008 – 2010 2016-	Membru Comitet de organizare manifestări științifice Secretar Comisie Admitere Facultate Secretar Științific Facultatea de Inginerie Tehnologică. Prodecan Facultatea Design de Produs și Mediu
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Competențe dobândite la locul de muncă ▪ Organe de mașini și transmisii mecanice; Metoda Elementului Finit; Tribologie; Sisteme eoliene

Competențe informatice ▪ Catia V5, ANSYS 14.0, Matlab, Nastran/Patran, MS Office, Autocad

Permis de conducere ▪ B

INFORMATII SUPLIMENTARE

Publicații	107 articole, 12 monografii.
Proiecte	Membru în echipa a 19 proiecte
Afilieri	Asociația Română de Transmisii Mecanice RoAMET Asociația Română de Tribologie ART Asociația Română de Știința Mecanismelor și a Masinilor ARoTMM

Selectie articole științifice

Articole ISI

1. R. Saulescu, R. Velicu, **M. T. Lates**. Geometric modeling of the contact point between the bushing and sprocket in chain drives. 13th International Conference on Tribology (ROTRIB'16) Book Series: IOP Conference Series-Materials Science and Engineering Volume: 174 Article Number: UNSP 012049 SEP 22-24, 2017.
2. **Lates, M.T.**, Gavrilă, C.C., Papuc, R. Study on the friction in steel/polyamide ball on disk type contacts. 7th International Conference on Advanced Concepts in Mechanical Engineering Book Series: IOP Conference Series-Materials Science and Engineering Volume: 147 Published: 2016 ISSN: 1757-8981.
3. **Lates, M.T.**, Velicu, R.G., Papuc, R. Sliding friction study of the oscillating translational motion for steel on PA66 and PA46 type materials. 7th International Conference on Advanced Concepts in Mechanical Engineering Book Series: IOP Conference Series-Materials Science and Engineering Volume: 147 Published: 2016 ISSN: 1757-8981.
4. **Lates, M.T.**, Velicu, R.G., Papuc, R. Multiscale modeling of chain-guide contact by using tests and FEM. 11th World Congress on Computational Mechanics; 5th European Conference on Computational Mechanics; 6th European Conference on Computational Fluid Dynamics, Vols II – IV Pages: 1062-1069 Published: 2014 ISBN: 978-84-942844-7-2.
5. **Lates, M.T.**, Velicu, R. Papuc, R. Testing and FEA as prediction strategies on the ball bearings behaviour. International Journal of Surface Science and Engineering Volume: 8 Issue: 4 Special Issue: SI Pages: 345-355 Published: 2014 ISSN: 1749-785X.
6. **Lates, M.T.**, Velicu, R. Stresses distributions in bush chains. MODTECH 2012: New Face of TMCR, Vols I and II Book Series: International Conference ModTech Proceedings Pages: 505-508 Published: 2012. ISSN: 2069-6736.
7. **Lates, M.T.**, Alexandru, C. Autonomous hybrid renewable energy system. Advances in Maritime and Naval Science and Engineering Book Series: Mathematics and Computers in Science and Engineering Pages: 154-159 Published: 2010. ISSN: 1792-4308.
8. **Lates, M.T.** Study of the Free Frequencies Variation with the Daily Angle Orientation for the PV Panels Tracking Systems. Proceedings of the 2nd International Conference on Environmental and Geological Science and Engineering: Advances in Environmental and Geological Science and Engineering Book Series: Mathematics and Computers in Science and Engineering Pages: 68-71 Published: 2009. ISSN: 1792-4308.
9. R. Velicu, R., **M. T. Lates**, Gh. Moldoveanu. Loading Cases and Forces on Azimuthal Solar Tracking Systems with Linear Actuators. Proceedings of SYROM 2009, Brașov, Romania, p. 723-733. ISBN 978-90-481-3521-1.

10. **Lates, M.T.**, Lates, R.S. Analysis with the finite elements method of solar collector's tracking systems. New Aspects of Energy, Environment, Ecosystems and Sustainable Development, Pt 1 Book Series: Energy and Environmental Engineering Series Pages: 42-46 Published: 2008. ISBN: 978-960-6766-71-8.
11. **Lates, M.T.**, Jula, A. Eco-design approach for the tripode type coupling. Source: Product Engineering: Eco-Design, Technologies and Green Energy Pages: 101-110 Published: 2004 ISBN: 1-4020-2932-2.

Articole SCOPUS

1. Papuc, R., **Lates, M. T.** The comparative study of the static friction coefficient between chain link and different types of polyamides. MATEC Web of Conferences, 184, art. no. 02004, 2018.
2. **Lates, M. T.**, Gavrilă, C.C., Papuc, R. Frictional contact study of the chain link/polyamide contact. Mechanisms and Machine Science, 57, 2018, pp. 497-506.
3. Papuc, R., Gavrilă, C., **Lates, M. T.** Tribological tests of steel on polyamide 66, polyamide 46 type surface contacts. MATEC Web of Conferences, 126, art. no. 02003, 2017.
4. Gavrilă, C. C., Velicu, R., **Lates, M. T.** 3D modeling and fem analysis for solar panel mounting system on a house roof. MATEC Web of Conferences, 126, art. no. 02001, 2017.
5. Papuc, R., Gavrilă, C., **Lates, M. T.** The study of chain link/guide contact in relative alternative translational motion. MATEC Web of Conferences, 126, art. no. 01003, 2017.
6. A. Todi-Eftimie, R. Velicu, C. Brands, F. Schlerege, **M. T. Lates**. Friction in Bearings of Parallel Axes Transmissions. Applied Mechanics and Materials – Advanced Concepts in Mechanical Engineering I, vol. 658, 2014, p. 371-376, ISSN 1660-9336.
7. R. Papuc, R. Velicu, **M. T. Lates**. Study of the contacts between toothed chains and guides. The 11th IFToMM International Symposium on Science of Mechanisms and Machines, Springer International Publishing House, vol.8, p.425-432, 2014, ISSN 2211-0984.
8. R. Papuc, R. Velicu, **M. T. Lates**, C. Jaliu. Geometrico-Static Modeling and Simulation of the Contact between Chain and Guide of a Reference Transmission. Applied Mechanics and Materials – Advanced Concepts in Mechanical Engineering I, vol. 658, 2014, p. 111-116, ISSN 1660-9336.
9. **Lates, M. T.** Mechanical behavior analysis with the finite elements method of solar collector's tracking systems. Transactions on Applied and Theoretical Mechanics, Issue 7, Volume 3, 2008, p. 244 – 253. ISSN 1991-8747.

02.07.2019

Conf.dr.ing. Mihai-Tiberiu LATEȘ