

CURRICULUM VITAE



PERSONAL INFORMATION

Name: *Tănăsoiu Aurelia*
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E-mail: *aurelia.tanasoiu@gmail.com*
Nationality: *Romanian*
Date of Birth: *20.07.1959*

PROFESSIONAL EXPERIENCE

2006 – present *Lecturer Engineer Ph.D.*
„Aurel Vlaicu” University Arad, RO 313130,
B-dul Revoluției nr. 77, Arad, România
Disciplines taught: ”Auxiliary Installations on Passenger Railway Vehicles”, ”Thermal Engines for Railway Traction”, ”Locomotives and Trains with Thermal Engines”, ”Special Railway Cars and Unconventional Vehicles”, ”Manufacturing, Repair and Testing Technology for Railway Vehicles”, ”Processes and Characteristics of Automobile Engines”; and assisting on disciplines (Master’s level courses): ”Experimental Research”, ”Modern Methods for Analysis and Lifetime Determination for Bearing Structures of Railway Vehicles”, Departement: Automation, Autovehicles and Rolling Stock, College of Engineering of “Aurel Vlaicu” University, Arad.

1996 – 2006 *Senior Lecturer*
„Aurel Vlaicu” University Arad, RO 313130,
B-dul Revoluției nr. 77, Arad, România
Disciplines taught: ”Auxiliary Installations on Passenger Railway Vehicles”, ”Locomotives and Trains with Thermal Engines”, ”Special Railway Cars and Unconventional Vehicles”, ”Manufacturing, Repair and Testing Technology for Railway Vehicles” College of Engineering of “Aurel Vlaicu” University Arad.

1983 – 1996 *Engineer*
Uzina de Vagoane Arad (Railway Car Factory Arad), I was a technological process engineer, I have coordinated the policalification courses, i have taken part in the commitees for granting workers’ classification categories.

1983 – 1986 *Associated Teacher at No. 1 Industrial High-School Arad where I have taught classes both for high-school and professional school*

1993 - 1996 *Associated lecturer at „Aurel Vlaicu” University Arad, College of Engineering*

EDUCATION	
2007	<i>Obtaining by contest the position of Senior Lecturer</i>
2006	<i>Public presentation of the doctoral thesis: ”The Influence of the Elasticity of Bearing Structures of Railway Vehicles on Guidance Safety”, at the “Politehnica” University București, Departement of Transportation, obtaining the diploma of Engineering Ph.D. series E nr. 0004848 with the specialization in ”Transports”.</i>

1978 – 1983	<i>College of Mechanical Engineering, Politechnic Institute "Traian Vuia" Timișoara, specialization: Rolling Stock, obtained an Engineering degree.</i>
1974 – 1978	<i>Mathematics-Physics High-School with Informatics Specialization Nr.1 Timișoara.</i>
PERSONAL APTITUDES AND COMPETENCES	
Mother tongue	Romanian
Foreign Languages	French – writing – good; reading – good; speaking – good.
Organizing skills	Member: Bachelor Degree Examination Committee (specialization: Rolling Stock). President of the baccalaureat committee (examination and evaluation) – 2008;
Technical aptitudes and competences	PC skills (Microsoft Office, MathCAD, Internet etc.)
Driving license	Category B
Other Aptitudes and Competences	<p><u>Areas of competence:</u> <i>Railway Vehicles, wheel-rail relation as excitation in conventional rolling systems, elastic systems that equip the suspension of railway vehicles, intermodality and interoperability in transportation, experimental research, logistics in transportation, transport system engineering (road and railway).</i></p> <p><u>Publications:</u> Books published: 1 Articles published in Romania and abroad: 44 (9 abroad –Ukraine, Anglia).</p> <p>1. Copaci Ion, Tănăsioiu Aurelia, Iliș Nicolae, Olaru Stelian, Potoceanu Alexandru, <i>Testing Scenarios and Procedures For Railway Vehicles Regarding Safety During Travel</i>, Buletinul Științific al Universității „Politehnica” din Timișoara, Seria Mecanică, Tom 52 (66), Fasc. 7, pag. 135-139, ISSN 1224-6077, 2007.</p> <p>2. Iliș Nicolae, Copaci Ion, Tănăsioiu Aurelia - <i>Factors Influencing the Railway Vehicle Guidance Safety</i>, - ICEM 2007 Conferință Internațională de Electromecanică, A II-a Ediție, Petroșani, Mai 2007. Annals of the University of Petroșani, vol. 9 (XXXVI), ISSN 1454-9166, nr. pag. 6, Universitaas Publishing House, Petroșani, România, 2007.</p> <p>3. Nicolae Iliș, Ion Copaci, Aurelia Tanasoiu, Ioan Cioara, - <i>On the Influence of Bearing Structure Elasticity of a Railway Vehicle on Guidance Safety</i>, Congresul internațional “Metoda și instrument în sisteme tehnologice”, Universitatea Tehnica Nationala, Institutul Politehnic Harkov, Ucraina, nr. 73/2007, ISSN 0370-808X, pg. 82-86</p> <p>4. Nicolae Iliș, Aurelia Tanasoiu, Ion Copaci, Aurelian Nicola – <i>Railway vehicle response to horizontal-transversal and vertical railway excitation</i>, Al XVI-lea Seminar Internațional de Științe Tehnice, “INTERPARTNER”23-29 sept. 2007, Alushta, Crimea, Ucraina</p> <p>5. Aurelia Tanasoiu, Ion Copaci, Nicolae Iliș, Iosif Andras – <i>Railway vehicle response to diferent testing scenarios and procedures</i>, Al XVI-lea Seminar Internațional de Științe Tehnice, “INTERPARTNER”23-29 sept. 2007, Alushta, Crimea, Ucraina.</p> <p>6. Tănăsioiu Aurelia, Ion Copaci, <i>Study on the Sock caused by Collision</i></p>

	<p>of Railway Vehicles, International Journal of Mechanics, ISSN 1998-4448, pag. 67-76, www.naun.org/journals/mechanics</p> <p>7. Tănăsioiu Aurelia, Ion Copaci - Study on the Behaviour of the Self-Unloading SSDT Train Upon the Shock Caused by Collisions, WSEAS Conferences, Computer and Simulation in Modern Science, vol. II, ISSN 1790-5117, ISBN 978-960-474-032-1, www.wseas.org</p> <p>Contracte/granturi (CNCSIS, AMTRANS, CEEEX): 7</p> <p>Citations in Publications Abroad: 9</p>
Membership in professional organizations	<p>Member of AGIR (General Association of Romanian Engineers)</p> <p>Member of the Association for Multidisciplinary Research in Western Romania since 2004.</p> <p>Member of SIAC since 1997</p>

ș.l. dr.ing. Aurelia Tănăsioiu