

CURRICULUM VITAE

1. Last name: MUNTEANU

2. First name: Ligia

3. Date and place of birth: August 25, 1967, Bucharest

4. Citinzenship: romanian

5. Marital status: married

6. Education:

Institution	Period/title of thesis	Diploma
University of Bucharest Faculty of Mathematics, Department of Solid Mechanics	September 1986 - July 1992 <i>Title of MSc thesis:</i> Balance and dispersion laws in the theory of waves propagation. Scientific supervisor Prof. Nicolae Şandru	MSc
University of Poitiers, Laboratory of Theoretical Mechanics, France	September 1992 - July 1993 <i>Title of DEA thesis:</i> Calcul des contraintes dans l'epaisseur d'une plaque stratifiee nid- d'abeilles. University of Poitiers, Laboratory of Theoretical Mechanics, France. Scientific supervisor Prof. Alain Cimetière	Advanced Studies in Mechanics
University of Bucharest Faculty of Mathematics, Department of Solid Mechanics	October 1994 - December 1999 <i>Title of the PhD thesis:</i> Applications of the soliton theory to nonlinear problems in the wave propagation problems Scientific supervisor Prof. Petre P.Teodorescu	PhD in Mathematics

7. Scientific title: PhD since 1999

PhD Habilitation PhD supervisor in Engineering Mechanics since 2015

8. Professional experience:

Institution	Period	Position	Field of Activity
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Institute of Solid Mechanics of Romanian Academy	1992-1993	Trainee Research Fellow	Strength of materials. Mechanics of deformable media: elastic and plastic materials, rate materials, materials with memory (including elastic materials with viscous damping, viscoelastic materials), wave propagation.
Institute of Solid Mechanics of Romanian Academy	1993-2000	Research Fellow	Nonlocal theory of nonlinear elasticity. Nonlocal theory of microcontinuum. Solid-dependent memory. Solitary waves and soliton waves. Vibrations. Systems with many degrees of freedom.
Institute of Solid Mechanics of Romanian Academy	2000-2002	Research Fellow III	Strength of Materials. Elasticity, plasticity, rheology. Vibrations and waves. Solitons with applications in mechanics and nanomechanics. Inverse Problems in seismology.
Institute of Solid Mechanics of Romanian Academy	2002-2007	Research Fellow II	Nonlinear dynamic systems. Cnoidal method with applications to mechanics, robotics, biomechanics and nanomechanics. Smart materials. Auxetic materials. Acoustic cloaks. Sonic composites. Inverse problems.
Institute of Solid Mechanics of Romanian Academy	2007-in prezent	Research Fellow I	Nonlinear dynamic systems. Sommerfeld effect. Chaos and hyperchaos. Smart materials with applications to medicine. Carbon nanotubes. Nanocomposites. Universality and inverse problems.

9. Current job and position: Institute of Solid Mechanics of Romanian Academy, Senior Researcher I

10. Seniority in the current job: 24 years

11. Awards

Awarding of Romanian Academy „Henri Coanda” 2002, for the book ”*Introduction to Soliton Theory. Applications in Mechanics*”, Publishing House of the Romanian Academy, Bucharest 2002.

12. Teaching experience: Associate Professor at Technical University of Civil Engineering from Bucharest, since 2000

13. Foreign languages: English, French

14. Publications (the list of papers is attached)**15. Member of professional associations:**

SRMTA – *Romanian Society of Theoretical and Applied Mechanics*

GAMM - *Gesellschaft fuer Angewandte Mathematik und Mechanik*

16. Specializations and qualifications:

Invitations to Universities: University of Hamburg (1995), University La Sapienza, Roma (2001), The University of Sydney (2002), Université du Luxembourg (2005), Politecnico di Torino (fiecare an in perioada 2002-2009, 2011-2013), University of Bremen (2008), Gdansk University of technology (2009), Karlsruhe Institute of Technology (2010), Graz University of Technology (2011), Darmstadt University (2012), Erlangen University (2014).

17. Experience (including managerial experience) in national/international programmes/ projects:

Program/Project	Position	Period
Contract nr. 6109/2000, ANSTI, theme B5, <i>Research on the fracture processes for laminated composites with adhesive joints.</i> Manager V.Chiroiu	Member	2000
Contract nr. 6109/2000 with ANSTI, theme B7, <i>Virtual simulation of the dynamic behavior of the human cardiovascular system in order to evaluate its integrity</i>	Manager	2000
Grant NATO 2000–2002, PST.CLG. 976864/2000 Managers NATO P. P. Delsanto, V.Chiroiu <i>Modeling of Nonlinear Mesoscopic Elastic Materials</i>	Member	2000-2002
Contract nr. 33517/2002 cu CNCSIS, theme 2, cod 49, and contract 34395/2003 <i>Research on the solitonic behavior of the nonlinear mesoscopic materials with applications to characterize the phenomena of energy generation</i>	Manager	2002-2003
Contract nr.34395/ 2003 cu CNCSIS, theme At1, cod 9 <i>Research on ultrasonic characterization of heat conducting solid-fluid mixtures with applications to seismology.</i> Manager T. Badea	Member	2002-2003
Project nr. 2657/2001–2004, Svenska Institutet, Stockholm <i>Active and passive damping with applications in manufacturing.</i> Managers: Cornel Mihai Nicolescu, Goran Karlsson, V.Chiroiu, T.Sireteanu and I. Rugină	Member	2001-2004
Contract nr.99/2003 and 95/2004 with Romanian	Member	2003-2004

Academy, project nr.4/2003 <i>Research on the use of shape memory alloys in the control of mechanical vibration with applications to robotics and machine tools.</i> Manager V.Chiroiu		
Contract nr. 40197/2003, CNCSIS, theme A1, cod CNCSIS 152 <i>Research on intelligent control of damping in nanostructures and nanostructured materials with applications to mechanics.</i> Manager V.Chiroiu	Member	2003-2005
Contract grant nr. 27664/2005 with CNCSIS, theme A1, cod 160/2005 <i>Virtual program for architecturing of nanocomposites with optimal strength and damping properties</i>	Manager	2005-2007
Project CEEX-partener, contract nr.X2C32/2006, cod MEC 5632 <i>Mechanical coupling for coupling of power sources for heat and electricity, for hybrid green cars</i> Manager Dinel Popa University from Pitești	Member	2006-2008
Project PN2 Idei contract 106/2007, cod ID_247/2007, <i>Knowledge based characterisation of the damping capacity of nanocomposites from auxetic materials and carbon nanotubes</i>	Manager	2007-2010
Project PCCA 2011 - Partnerships Program Priority Areas, PN-II-PT-PCCA-2011-3.1-0190, contract 149/2012 <i>Reconfigurable haptic interfaces used in dynamic contact reproduction. Theoretical and experimental developments.</i> Partner Cornel Brișan Technical University from Cluj-Napoca	Manager	2012-2016
Project PN II- IDE- PCE- 2012- 4- 0023, contract 3/2013 <i>Locally resonant sonic composites with applications to mechanics</i>	Manager	2013-2015

Date:

January 15, 2015

Signature

Dr. Ligia Munteanu