



### Personal information

First name(s) / Surname(s) **Liana HANCU**  
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Date of birth March 3, 1957

### Work experience

Dates 1981-1983:  
Occupation or position held Mechanical engineer  
Main activities and responsibilities designer  
Name and address of employer I.M.U.A.S. Baia-Mare  
Dates 1983-1985  
Occupation or position held Designer engineer and than manufacture engineer  
Main activities and responsibilities Designing machine parts  
Name and address of employer I.C.S.I.T. Titan București, Cluj-Napoca office  
Dates 1985-1990  
Occupation or position held Research engineer  
Main activities and responsibilities Research work in cryogenic laboratory  
Name and address of employer Technical University of Cluj-Napoca  
Dates 1990-1993  
Occupation or position held University assistant  
Main activities and responsibilities Work with students in laboratory, in forming technologies field  
Name and address of employer Technical University of Cluj-Napoca  
Dates 1993-2004  
Occupation or position held Lecturer  
Main activities and responsibilities Work with students in laboratory and teaching activities  
Name and address of employer Technical University of Cluj-Napoca  
Dates 2004-now  
Occupation or position held Reader  
Main activities and responsibilities Teaching activities and work with student in laboratory  
Name and address of employer Technical University of Cluj-Napoca

### Education and training

Dates 1981  
Title of qualification awarded Mechanical engineer  
Name and type of organisation Technical University of Cluj-Napoca, former Polytechnic Institute  
Name of study program Manufacturing  
Dates 2003  
Title of qualification awarded PhD engineer  
Name and type of organisation Technical University of Cluj-Napoca  
Domain Industrial Engineering

<b>Specialised in</b>	<p>-1994: IM-SOFT, diploma for computer skills,</p> <p>-1996 “Anisotropic and Composite Materials” diploma, From Technical University of Cluj-Napoca in cooperation with Paul Sabatier Toulouse Franta, program S-JEP 08004-94</p> <p>-1997:specialize at Lancashire University from Preston, England, in the field of plastic and composite materials (TEMPUS program)</p> <p>-1999: specialize at Technical University of Rousse, Bulgaria (CEEPUS program)</p> <p>-2002 :specialize at Technical University of Kosice, Slovakia (CEEPUS program )</p> <p>-2002 :specialize at Metal Forming Institute from Stuttgart University, (CNFIS project, round 4, code 44) about assisted fabrication implementation in Manufacturing Department laboratories</p> <p>-2003- specialize on recycling problems at Technical University of Tmava, Slovakia, (CEEPUS program)</p> <p>-2005-specialize on de recycling problems at Technical University of Bratislava, Slovakia,(CEEPUS program)</p>
<b>Publications</b>	<p>Most important in the last 5 years (a total of 80 scientific papers and 5 monographies and university courses)</p> <ol style="list-style-type: none"> <li>1. <b>Liana Hancu</b>, Daniela Păunescu, Marian Borzan, Considerations about filling materials influence upon deflection of epoxy resin under cryogenic conditions, Material Plastic Review, vol.44 nr. 2/2007, ISSN 0025/5289, pag.155-158</li> <li>2. <b>HANCU, Liana</b>; PĂUNESCU, Daniela; BORZAN, Marian , Aspects concerning sheet bending with rubber pad , Annals of DAAAM for 2007, International DAAAM symposium , VOL. 18, NO.1, "Intelligent Manufacturing &amp; Automation: Focus on Creativity, Responsibility and Ethics of Engineers", 24-27th October 2007 , ISSN 1726-9679,ISBN 3-901509-58-5</li> <li>3. <b>Hancu Liana</b>, Gheorghe Achimas, Paunescu Daniela, Considerations about the Influence of Cryogenic Temperatures upon Friction Forces, Trends in the Development of Machinery and Associated Technology TMT2006, p.1569-1572 , ISBN 9958-617-30-7</li> <li>4. <b>Hancu, L.</b>, Păunescu, D., Iancău, H., Technological Parameters Optimisation for High Compression Strength of Parts Made of Melamine and Clay Compounds, The 8<sup>th</sup> ESAFORM Conference on Material Forming "ESAFORM 2005", Ed. Academy, ISBN 973-27-1174-4, ISBN 973-27-1173-6, page. 1023-1029</li> <li>5. <b>Hancu,L.</b>, Achimaş, Gh., Springback Reduction for V Bended Parts through Elastic Pads, The 8<sup>th</sup> ESAFORM Conference on Material Forming "ESAFORM 2005", Ed. Academy, ISBN 973-27-1174-4, ISBN 973-27-1173-6, pag.497-503</li> </ol>
<b>Contracts</b>	<ol style="list-style-type: none"> <li>1 FP6- Automated in-line metrology for quality assurance in the manufacturing industry P3MET, FP6 Project: Optical 3D Metrology-, member</li> <li>2. Hancu Liana, „Study and Technical Assistance for Cryogenic Recovery of materials from rubber wheels” Sc Tehnomag SA, manager</li> <li>3.Intelgent Systems for Modullar Dies Manufacturing through Forming Technologies – SINTDEF, Contract nr. 24/2005; Subcontract nr. 2/2005 (Între UTC-N și ULB Sibiu); member</li> <li>4. Contract nr.41/12.04.2005, Researches for compression tests for “Safe Plate”, Beneficiary SC SILVANIA-MICHELIN Zalau –manager</li> <li>5. Modern Plasticity Criteria Used for Analysing the Forming processes of Metal Sheet, -Contract A type, 2003-theme 32/453, member.</li> </ol>
<b>Organisations membership</b>	<ul style="list-style-type: none"> <li>- member of the General Association of the Romanian Engineers; <b>AGIR</b></li> <li>- member in the Research Centre for Sheets’ Plastic Deformation <b>CERCETA</b>, research centre of B type, approved on 17<sup>th</sup> May 2002;</li> <li>-founding member of the National Association of the Composite Materials <b>RoCIA</b>,</li> <li>-member in University Association of Manufacturing <b>AUIF</b></li> </ul>