



„Gheorghe Asachi” Technical University of Iași  
Faculty of Civil Engineering and Building Services  
Department of Transportation Infrastructure and Foundations  
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## CURRICULUM VITAE

<i>Surname</i>	<b>LUNGU</b>
<i>First name</i>	<b>IRINA</b>
<i>Profession</i>	Engineer
<i>Present Occupation</i>	Professor
<i>Present Position</i>	Vice-rector for International Relations within "Gheorghe Asachi" Technical University of Iași,

### EDUCATION

1990-1998	Ph.D. in civil engineering, specialization in Geotechnics and Foundations, "Gheorghe Asachi" Technical University of Iași
1983-1988	Polytechnic Institute „Gheorghe Asachi” of Iași, Faculty of Civil Engineering, Specialization Civil, Industrial and Agricultural Constructions
Postgraduate studies 2011	Strategic Management in Higher Education "Gheorghe Asachi" Technical University of Iași

### PROFESIONAL EXPERIENCE

since 2013	<b>Professor</b> , Department of Transportation Infrastructure and Foundations Faculty of Civil Engineering and Building Services, "Gheorghe Asachi" Technical University of Iași
2003 – 2013	<b>Associate Professor</b> , Department of Transportation Infrastructure and Foundations Faculty of Civil Engineering and Building Services, "Gheorghe Asachi" Technical University of Iași
1998 – 2003	<b>Lecturer, Ph.D.</b> , Department of Transportation Infrastructure and Foundations, Faculty of Constructions and Architecture, "Gheorghe Asachi" Technical University of Iași
1991 – 1998	<b>Teaching Assistant</b> , Department of Transportation Infrastructure and Foundations, Faculty of Constructions and Architecture, "Gheorghe Asachi" Technical University of Iași



1990 – 1991

**Replacing Teaching Assistant**, Departament of Transportation Infrastructure and Foundations, Faculty of Constructions and Architecture, "Gheorghe Asachi" Technical University of Iasi

1988 – 1990

**Project Engineer**

General Construction Company, Bdul Carol I 7, Iasi

### Academic Activity

**Elaboration and development of courses and laboratory/project works within Civil Engineering Field**, for the following: Undergraduate Programmes: "Geotechnics", "Special geotechnics and foundations problems", "Tunnels and Metropolitans" (CFDP), Engineering Geology", „Foundations", „Foundations in special conditions", „Building Rehabilitation" (ICE); Master Programmes: „Advanced Geotechnical Engineering and Foundation Design" (ISE), "Constructions Infrastructure Assessment and Rehabilitation" (IG)

**Guidance for diploma papers (Undergraduate Programmes), beginning with 1998**, in the field of "Civil Engineering" – Civil, Industrial and Agricultural Constructions in Romanian and English (ICE), Railways, Roads and Bridges (CFDP), with a rate of 4 papers per academic year.

**Guidance for dissertation papers, beginning with 2008**, for the master programme taught in English - Structural Engineering (ISE) and Geotechnical Engineering, with a rate of 3 papers per academic year.

### Activity within educational international programmes

Activity for implementing the Bologna process for the 3 cycles of study, short term expert within **DOCIS-ACPART ROMANIA**

**Erasmus coordinator** within the Faculty of Civil Engineering and Building Services for the period 2006 – 2012

**Expert within the EUCEET III programme and founder member of EUCEET Association**, founded in 2011

**Local coordinator for the Erasmus Mundus projects cLINK** (Center of excellence for Learning, Innovation, Networking and Knowledge) and **gLINK** (Sustainable Green Economies through Learning, Innovation, Networking and Knowledge Exchange)

**Local coordinator for the international COMMIT** (Committing to the social dimension in universities) LLP – Erasmus

Initiation and development of cooperation with universities within the European Space through 14 bilateral Erasmus inter institutional agreements and 3 institutional collaborations for TUIASI.

### Research activity

*Ph.D.*

Thesis Title "**Contributions regarding the interaction between foundation soil – foundations – structure**"

*Research directions*

Soil Eco stabilization with binders

Management of geotechnical risks – specific approaches for landslidings

Modelling within the stability analysis of land massifs

Soil - structure interaction for piles foundations

Identification and characterization regarding problematic soils



*Academic and scientific papers elaborated within collaboration*

- *Geotechnics – Course notes* – (2014), Ed. Politehniun – Iași, 380p
- *Geotechnics – Laboratory Works* – (2013), Ed. Politehniun – Iași, 355p
- *Foundations I – Land Physics Mechanics* – (2006), Ed. Tehnică – București, 1620p
- *Special Problems of Geotechnics and Foundations* (2002). Ed. Junimea – Iași. 247p
- *Building Rehabilitation* – editor,(2003), Ed. Matei-Teiu Botez Iași – Iași, cap. 5 - 20p
- *Building Rehabilitation* – (2001), Ed. Vesper, cap.5 – 20p
- *Foundation Engineering* – (1995), Rotaprint Iași, 170 p
- *Geology – Practical Works*, (1995), Rotaprint Iași, 60p
- *Geotechnics – Laboratory Works*, (1994), Rotaprint Iași, 50p
- **8** scientific papers published in ISI journals;
- **16** scientific papers published in BDI journals;
- **11** scientific papers published in journals non indexed in data base;
- **7** scientific papers published in ISI Proceedings ;
- **3** scientific papers published in BDI conferences;
- **29** scientific papers in international conferences non indexed in BDI;
- **45** scientific papers in national conferences non indexed in BDI ;
- **16** presentations at various scientific and educational manifestations.

*National projects won by competition – director/local coordinator*

- **Contract POSDRU / 89/ 1.5 / S /52603, 4D-POSTDOC** – Development and support of postdoctoral multidisciplinary programmes in technical fields considered to be a priority for the national research-development-innovation strategy. **Local coordinator**  
<http://ctmtc.utcluj.ro:8080/sites/fordoc/Echipa%20proiectului/Home.aspx>
- **Contract POSDRU / 87 / 1.3 /S /6089**, The University School for initial and continuous training of academic staff and of trainers in the field of technical and engineering specialisations – DidaTec”, **Local Responsible**  
[http://ctmtc.utcluj.ro/sites/didatec\\_/Lists/didatec\\_echipa\\_coord/DispForm.aspx?ID=1](http://ctmtc.utcluj.ro/sites/didatec_/Lists/didatec_echipa_coord/DispForm.aspx?ID=1)

*National Research Grants – member of the teams*

- **Grant CNCIS 33479/2002, Theme 79**, Growth of safety in constructions and land massifs exploitation by defining the trust intervals of the parameters that set up the mechanical characteristics of the foundation soil, Director Professor Anghel STANCIU
- **Grant ANSTI 6177/2000, A.A. 1/2001, Theme A27**, Growth of safety in constructions and land massifs exploitation by defining the trust intervals of the parameters that set up the mechanical characteristics of the foundation soil, Director Professor Anghel STANCIU
- **Grant ANSTI 6177/2000, Tema B10**, Growth of safety in constructions and land massifs exploitation by defining the trust intervals of the parameters that set up the mechanical characteristics of the foundation soil, Director Professor Anghel STANCIU
- **Grant MCT 4074 / 1999, A.A. 1/1999**, Substantiation and decision evaluation regarding the durable development (PUG) of some localities in Moldova on the basis of landsliding risk, Director Professor Anghel STANCIU
- **Grant MCT 4074 / 1998**, Substantiation and decision evaluation regarding the durable development (PUG) of some localities in Moldova on the basis of landsliding risk, Director Professor Anghel STANCIU

*International research development projects – member of the teams*

**ECOLANES – Economical and sustainable pavement infrastructure for surface transport, TST5-CT 2006-031530**, Project Director TUIASI – Professor Nicolae TARANU

**ANAGENISI – Innovative Reuse of All Tyre Components in Concrete, FP7-ENV-**



Participation at international documentation stages and international scientific cooperation	<p><b>2013-603722</b>, PNII – Capacități, Modulul III – Cofinancing from Romanian Government, Project Director TUIASI – Professor Nicolae TARANU</p> <p><b>1991-1994 – 6 seminars Tempus JEP 2776</b> at Technical University of Civil Engineering București</p> <p><b>1.03 – 31.05.1994, Tempus scholarship JEP 2776</b>, at la Soil Mechanics Laboratory, Ghent University, Belgium, Director professor W.F. Van Impe</p> <p><b>5.01-5.07 1996, Romanian governmental scholarship for doctoral studies</b> at la Soil Mechanics Laboratory, Ghent University, Belgium, Director professor W.F. Van Impe</p>
Activities within the Faculty of Civil Engineering and Building Services	<p><b>Member in the Faculty Council</b> For the legislations 2008-2012, 2012-2016 and 2016 - 2020</p> <p>Associate Editor at Polytechnic Institute of Iași Bulletin – Constructions. Architecture section, since 2008</p> <p>Appointed by the Faculty of Civil Engineering and Building Services (decision 858/April 2009) for ensuring the relationship of TUIASI with ACPART Agency</p> <p><b>Member of the commission for the undergraduate diploma</b> – the programme taught in English, since the academic year 2003</p> <p><b>Member of the commission for the dissertation thesis</b> – the Rehabilitation and Safety Growth of Constructions (RCSC), since the academic year 2011</p> <p><b>Tutor for the students of the IV<sup>th</sup> year of study</b> – Civil Engineering taught in English, since the academic year 2012</p>
With Ph.D. students	<p><b>Member of the teams coordinating the Ph.D. Civil Engineering programmes</b></p> <p><b>Member of the teams evaluating the annual scientific reports</b> of the Ph.D. students</p> <p><b>Member in the technical support team</b> for carrying out the projects POSDRU EURODOC și CUNATUMDOC (Ph.D. programmes)</p>
Membership at Research Centres 2005-2010 2010 up to present	<p><b>The centre for Geotechnics, Foundations and Modern Infrastructures in Transportation Engineering – Dimitrie Atanasiu – CCGEOFIMIT</b>, CNCIS certificate type C nr. 84/2.06.2005, director Professor Radu ANDREI, member</p> <p><b>The Research Centre in Civil Engineering</b> (Certificat CNCIS type B nr.80/2.06.2005 – reaccredited in 2010), director professor Mihai BUDESCU, member of the Board, scientific responsible</p>
<b>ACKNOWLEDGEMENT AND ACTIVITY IMPACT</b>	
Management Activity	<p>- <b>Vice rector</b> of "Gheorghe Asachi" Technical University of Iasi, since 2012 up to present</p> <p>- <b>Scientific Secretary</b> of the Faculty of Civil Engineering and Building Services Council, between 2008-2012</p>
Awards	<p><b>"Anghel Saligny" Award of the Romanian Academy</b>, in 2006, for the Book "Foundations I – Soil Physics and Mechanics", Authors Anghel Stanciu and Irina Lungu, awarded in 18 December 2008</p>
Scientific reviewer	<p><b>Official reviewer for 14 Ph.D. thesis</b> at Technical University of Civil Engineering Bucuresti, Technical University of Cluj Napoca, "Politehnica" in Timisoara and Technical University of Iasi</p>
Member within the scientific	<p>- The Autumn Session of the Academy of Romanian Scientist, Iasi 2015</p>



*committees of some national and international conferences*

- The 12<sup>th</sup> National Conference of Geotechnics and Foundations, Iasi 2012
- The Conference 70 Years of modern higher education in constructions at Iasi, Iasi 2011
- The 7<sup>th</sup> International Symposium Computational Civil Engineering, Iași 2009
- First International Conference on Education and Training in Geo-Engineering Sciences Constanța 2008
- The 6<sup>th</sup> International Symposium Computational Civil Engineering, Iași 2008
- The 2<sup>nd</sup> International Geotechnical engineers' Conference, Constanța 2003
- The Jubilee for the 60<sup>th</sup> anniversary since the foundation of the Faculty of Civil Engineering at Iasi
- The 8<sup>th</sup> National Conference of Geotechnics and Foundations, Iasi 1996
- The First National Conference of Underground Constructions, Iasi 1993

*Assessment Commissions  
2010 up to present*

**Evaluator in the field of Civil Engineering** within the Romanian Agency for Quality Assurance in Higher Education

[http://pfe.aracis.ro/inscriere/registru/lista\\_c\\_d/9/48/](http://pfe.aracis.ro/inscriere/registru/lista_c_d/9/48/)

*Membership at Professional Organizations*

- Romanian Society of Geotechnics and Foundations – Iasi Branch, member of the board (2004 – 2008 and 2012 up to present)
- Romanian Association for Tunnels
- International Society for Soil Mechanics and Geotechnical Engineering,
- International Tunnelling Association
- International Technical Committee 18 (ITC) – Pile Foundations (1996-2001 associate member)
- The Academic Society for Constructions „Profesor Anton Șesan”, member of the board and secretary

*Linguistic abilities*

English – experimented user C1

French – independent user B1

*Social competences and abilities*

Accept and promote the diversity of opinions, favour working within multidisciplinary teams, public representation of a working team

*Organisational competences and abilities*

Ability for coordinating and organising, having in view the team satisfaction, structure thinking and fluent in presenting study cases

Managerial competences acquired through education, training and practice in national and international projects.

*Competences for using the computer*

User Office, Corel, software for mathematical calculations, advanced user of Internet

Iași, April 2016