






PERSONAL INFORMATION

Nicolae ȚĂRANU



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WORK EXPERIENCE

1990–Present

Professor

"Gheorghe Asachi" Technical University of Iași, Faculty of Civil Engineering and Building Services

Taught Subjects:

- Industrial Constructions;
- Composite Structures;
- Special Structures for Architects;
- Steel Structures;
- Structural Rehabilitation with Composite Solutions;
- Constructions Made of Composite Materials;
- Composite and Associated Materials;
- Lightweight Structures;
- Hybrid Structures Made of High-Performance Materials;
- Special Manufacturing Technologies for Composites and for Composite Strengthening Solutions;
- FRP Composites in Construction (University of Sheffield and EN-CORE Network).

1990–Present

Doctoral Advisor

"Gheorghe Asachi" Technical University of Iași, Faculty of Civil Engineering and Building Services

- Coordinating the doctoral programs of **28** PhD students: **22** of them have defended their doctoral thesis, and **6** are currently at different stages of their PhD program;
- Research areas: Structures Made of Composite and Associated Materials; Modern Solutions for Structural Rehabilitation; Building Aerodynamics; Structural Safety; Hybrid and Layered Structures; Steel Structures; Industrial Buildings; Buildings; Sustainability of Civil Engineering Structures.

2004–2012

Dean of the Faculty of Civil Engineering and Building Services, Director of the Civil Engineering Doctoral School

"Gheorghe Asachi" Technical University of Iași, Faculty of Civil Engineering and Building Services

- Coordinating teaching and research activities;
- Organizing and managing the Civil Engineering Doctoral School;
- Coordinating the investment projects of the faculty;
- Modernizing teaching and research laboratories;
- Developing the curricula for the training programs offered by the faculty;
- Writing the documentation for academic accreditation and periodic evaluation (by CNEAA and ARACIS) of the teaching programs.

- 2002–2003 **EU Marie Curie Senior Research Fellow**
The University of Sheffield, Department of Civil and Structural Engineering, Sheffield (United Kingdom)
- Principal Investigator: "Innovative Strengthening Techniques of Reinforced Concrete Structures with Advanced Polymeric Composites" Project;
 - Teaching a module from the course "FRP Composites in Construction" to master and doctoral students at the Department of Civil and Structural Engineering, The University of Sheffield.
- 1996–2004 **Profesor, Head of the Department of Civil and Industrial Constructions**
"Gheorghe Asachi" Technical University of Iași, Faculty of Civil Engineering and Building Services
- Managing teaching and research activities within the department;
 - Coordinating the international cooperation activities at the faculty level.
- 1995–1996 **Senior Fulbright Research Scholar**
Fulbright Commission, University of Virginia, Department of Civil Engineering, Charlottesville (United States)
- Fulfilling the research and educational objectives of the Fulbright project "Modern Fiber Reinforced Composite Structures".
- 1990–1995 **Director of the Department of International Relations / Professor**
"Gheorghe Asachi" Technical University of Iași, Faculty of Civil Engineering and Building Services
- Founding and managing the Department of International Relations at "Gheorghe Asachi" Technical University of Iași;
 - Coordinating the activities pertaining to international cooperation;
 - Concluding bilateral inter-institutional agreements;
 - Renewing civil engineering curricula;
 - Developing of new research domains in the field of Composite Materials and Structures for Constructions.
- 1981–1989 **Associate Professor**
Polytechnic Institute of Iași, Faculty of Construction
Taught Subjects: Industrial Constructions; Steel Structures.
- 1975–1980 **Lecturer**
Polytechnic Institute of Iași, Faculty of Construction
Taught Subjects: Steel Structures; Construction Technology; Health and Safety in Construction.
- 1971–1974 **Assistant Lecturer**
Polytechnic Institute of Iași, Faculty of Construction
Taught Subjects: Industrial Constructions; Timber Structures; Steel Structures.
- 1967–1970 **Teaching Assistant**
Polytechnic Institute of Iași, Faculty of Construction
Taught Subjects: Industrial Constructions; Timber Structures.

EDUCATION AND TRAINING

1969–1978 Doctoral Degree in Civil Engineering

Polytechnic Institute of Iași

- Competence in conceiving, designing and analysing the behaviour of structures made of reinforced plastics for constructions.

1971–1972 Junior Fulbright Research Scholar

Fulbright Commission, University of Virginia, Department of Civil Engineering, Charlottesville (United States)

- The activity has been carried out under the supervision of Professor Fred McCormick, the Head of Commission of the Plastic Materials within the American Society for Civil Engineers.

1962–1967 Civil Engineering Diploma

Polytechnic Institute of Iași

- Civil and Industrial Constructions;
- Analysis and Design of Civil Engineering Structures;
- Building Materials;
- Testing of Civil Engineering Structures.

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	A1	A1	A1	A1	A1
Russian	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

Excellent communications skills acquired and perfected by participating in numerous international projects, specialized conferences and symposia, engaging in national teaching and research activities, as well as by holding lectures at well-renowned universities across Europe, the USA, and Asia.

Organisational / managerial skills

Organizational and managerial skills proven in the capacity of:

- Director of the Department of International Relations at the "Gheorghe Asachi" Technical University of Iași;
- Head of the Department of Civil and Industrial Constructions;
- Dean of the Faculty of Civil Engineering and Building Services;
- Director of the Civil Engineering Doctoral School;
- Director of numerous national and international research and development projects.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Independent user	Independent user

Digital competences - Self-assessment grid

Driving licence B

ADDITIONAL INFORMATION

Published works

- **435** Scientific papers (**173** in journals: **31 in ISI journals with impact factors** (*The International Journal of Life Cycle Assessment; Applied Composite Materials; Sensors; Journal of Earthquake Engineering; Environmental Engineering and Management Journal; The Journal of Optoelectronics and Advanced Materials; Revista Română de Materiale/Romanian Journal of Materials; Key Engineering Materials; MATERIALE PLASTICE*); **151** in Proceedings of international conferences and symposia: **ISI indexed 16, 111** in Proceedings of national conferences and symposia);
- **27** published books and chapters: **2** in international publishing houses (Sprint-Digital-Druck, Stuttgart; Taylor & Francis Group, E & F Spon, London) and **25** in national publishing houses (Editura Tehnică, București; Editurile Politehnicum, Ștef, Cermi, Gh. Asachi, Ed. Societății Academice "Matei-Teiu Botez", Vesper, Ed. Institutului Politehnic, Iași).

Patents

- **7**, of which **5** in the ISI Web of Knowledge Database.

Citations

- Web of Science Core Collection **49** (without self-citations), h-index=7;
- Scopus **101**, h-index=6;
- Google Scholar **216**, h-index=9.

Memberships

- The Academy of Romanian Scientists;
- Academy of Technical Sciences of Romania <C>;
- American Society for Testing and Materials, (ASTM) Philadelphia, USA;
- Conseil International de Batiment, CIB W – 89 Building Research and Education; Amsterdam;
- Network Group for Composites in Construction, UK;
- International Association for Bridge and Structural Engineering, (IABSE), Zurich, Switzerland;
- fib Task Group 9.3 (FRP as Reinforcement), Zurich, Switzerland;
- Societatea Academică de Construcții "Anton Șesan", Romania;
- Asociația Inginerilor Constructori Proiectanți de Structuri, Romania.

Honours and awards

- Educational Merit Order-Knight (Meritul Pentru Învățământ în Grad de Cavaler), 2004;
- Honorary Professor of Politehnica University Timisoara;
- Doctor Honoris Causa of University of Structural Engineering & Architecture (VSU "Lyuben Karavelov", Sofia, Bulgaria, 2013;
- Professor Emeritus of the "Gheorghe Asachi" Technical University of Iași, 2012;
- Award of Excellence for Research, "Gheorghe Asachi" Technical University of Iași (Premiul de Excelență pentru Cercetare) 2012;

- Medal awarded by „Alexandru Ioan Cuza” University (Medalia Universității „Alexandru Ioan Cuza” din Iași), 2011;
- Medal awarded by University of Arts “George Enescu” (Medalia Universității de Artă “George Enescu” din Iași), 2011;
- “Excellency in Research and Education” Plaque awarded by “Gheorghe Asachi” Technical University of Iași (Placheta “Excelență în Cercetare și Educație” a Universității Tehnice “Gheorghe Asachi” din Iași), 2011;
- Honorary Acknowledgement Award granted by “Gheorghe Asachi” Technical University of Iași (Diploma “Cu Recunoștință” din partea Universității Tehnice “Gheorghe Asachi” din Iași), 2011;
- Excellency Award granted by “Gheorghe Asachi” Technical University of Iași (Diploma de Excelență a Universității Tehnice “Gheorghe Asachi” din Iași), 2007;
- Excellency Award granted by Romanian Society of Building Services (Diploma de Excelență a Societății Române de Instalații), 2005;
- Excellency Award granted by “Gheorghe Asachi” Technical University of Iași Senate (Diploma de Excelență a Senatului Universității Tehnice “Gheorghe Asachi” din Iași), 2003;
- Outstanding Associate Professor Award granted by Ministry of Education (Conferențiar Universitar Evidențiat, Diploma MIE), 1987;
- Honorary Award for Technical Creativity awarded by Polytechnic Institute of Iași (Diploma de onoare pentru creativitate tehnică, Institutul Politehnic Iași), 1983;
- Honorary Award for Contributions to the Development of Higher Education in Construction awarded by Faculty of Construction Iași (Diploma de onoare pentru contribuții la dezvoltarea învățământului de Construcții, Facultatea de Construcții Iași), 1981.

Scientific Committees

- Member of **49** Scientific Committees within national and international Conferences and Symposia.

Conferences

Lectures, conferences, presentations and advanced seminars:

- University of Virginia, Georgia Institute of Technology (USA);
- City University London, The University of Sheffield, University of East London (UK);
- Centro de Estudios y Experimentación de Obras Públicas, Universitat Politècnica de Catalunya, Universidad de Granada (Spain);
- Universidade do Minho, Instituto Superior Técnico, Universidade do Porto, Laboratório Nacional de Engenharia Civil (Portugal);
- University of Sherbrooke, Queen's University, Polytechnique Montréal, University of Ottawa (Canada);
- Università degli Studi di Firenze (Italy);
- National Technical University of Athens, Tessaloniki University, University of Patras (Greece);
- Technical University of Brno, Technical University of Prague (Czech Republic);
- University of Pristina (Kosovo);
- University of Novisad (Republic of Serbia);
- Taipei University of Science and Technology (Taiwan).

Certifications

- ARACIS Assessor;
- MLPAT projects verifier.

Research Projects

- Director of **8** international research grants;
- Director of **9** national research grants and coordinator of **58** national research grants;
- Member of **71** national and international research grants and contracts.

Representative projects

- Director (partner) of the European Projects: *Craft-Curved NFR* (EU-FP5), *Marie Curie Research Training Network ENCORE* (EU-FP6) associated with teaching of a module for European young researchers;
- Director (partner) of the European Project: *EU 031530/2006-2009-ECOLANES*;
- Director (partner) of the European Project: *EU 216673/2008-2011-ASSET*;
- Director (partner) of the European Project: *EU 603722/2014-2017-ANAGENNISI*;
- Member of the management committee at *Robustness of Structures (EU-COST Action TU0601)*, *New Generation Guidelines for FRP Composites in Construction* (EU COST TU 1207);
- Contact person for *EUCET (European Union Civil Engineering Teaching and Training) Phase II and III*;
- Director of 3 A CNCSIS national research grants;
- Director of national research grants: *PN II/IDEI/2008-2011 Nr. ID_369*, *PNII- Capacități 308EU/2008*, *Capacități PNII-264EU (2014-2017)*.

7.04.2016

Professor Nicolae TARANU, PhD