

PERSONAL INFORMATION

Alin DINIȚĂ

✉ adinita@upg-ploiesti.ro

Sex M | Date of birth 21.09.1976 | Romanian nationality

PROFESSIONAL EXPERIENCE

2022 - present

Petroleum-Gas University of Ploiesti

Rector*2020 - 2022*

Petroleum-Gas University of Ploiesti

Dean - Mechanical and Electrical Engineering Faculty*2016 - 2020*

Petroleum-Gas University of Ploiesti

Vice-dean - Mechanical and Electrical Engineering Faculty*2021 - present***Associate professor** - Mechanical and Electrical Engineering Faculty

Course - Study and Materials Engineering, Project Coordination and Laboratory Coordination, Coordination of Diploma Projects and Dissertations

*2008 - 2021***Assistant professor** - Mechanical and Electrical Engineering Faculty

Course - Study and Materials Engineering, Project Coordination and Laboratory Coordination, Coordination of Diploma Projects and Dissertations

Petroleum-Gas University of Ploiesti

*2005 - 2008***Assistant universitas - Project Coordination and Laboratory Coordination**

Petroleum-Gas University of Ploiesti

*2004 - 2005***Designing Engineer** - Design and execute flexible pipes from stainless steel

SC Amplo SRL, Petrolului no. 10, postcode 100521 - Ploiesti, Prahova, Romania

EDUCATION AND TRAINING

October 2006 - March 2011

PhD. in Mechanical Engineer

Theoretical and experimental analysis of the influences of dent - gouge flaws on the mechanical strength of the natural gas transmission pipelines

Petroleum-Gas University of Ploiesti

October 2005 - March 2006

Risk's Management / Master's degree - **Head of class**

Using risk analysis to establish maintenance programs for underground pipelines

Petroleum-Gas University of Ploiesti

October 2004 - March 2005

Reliability of the Petrochemical and Chemical Refineries / Master's degree - **Head of class**

The principles for monitoring and evaluation of the defects on the natural gas pipes

Petroleum-Gas University of Ploiesti

October 1999 - July 2004

Petrochemical and Chemical Refineries / Engineer diploma - **Head of class**

Design and optimization of the constructions for a DAV column

Personal skills and competences

Mother tongue(s)	Romana									
Other language(s)										
Self-assessment	Understanding				Speaking		Writing			
<i>European level (*)</i>	Listening		Reading		Spoken interaction	Spoken production				
Language	C1	English	C1	English	C1	English	C1	English	B2	English

(*) [*Common European Framework of Reference for Languages*](#)

Social skills and competences

Great communication skills, teamwork player, easy adaptability to new circumstances, member of the Romanian Association of Fracture Mechanics and member of the Romanian Engineering General Association

Organisational skills and competences

Worked as a team member for different research projects; Admission committee secretary of the Faculty of Mechanical and Electrical Engineering; Responsible for the Erasmus Program; Secretary of the Bachelor's degree examination board

Computer skills and competences

Cad software, Microsoft Office, Mathcad, Ansys; SolidEdge; SolidWork; Autocad

Organizational/managerial skills

Projects with European funds: POSDRU/93/3.3/S/60080; POSDRU/86/1.2/5/55585; POSCCE ID 759; POSDRU/86/1.2/S/62689; POCU/90/6.13/6.14/108677.

Projects with Institutional Development Funds: CNFIS-FDI-2019-0048; CNFIS-FDI-2019-0066; CNFIS-FDI-2020-0087.

International project: FP7-PEOPLE-2012-IRSES – INNOPIPES.

Finite Element Stress Analysis of Pipelines With Advanced Composite Repair. A Diniță, I Lambrescu, MI Chebakov, G Dumitru. Non-destructive Testing and Repair of Pipelines, 289-309

- Experimental Research into the Mechanical Behaviour of Dammar and Sandarac-Based Bio Resins. D Bolcu, MM Stanescu, I Ciuca, A Dinita, A Rosca, D Rosca. MATERIALE PLASTICE 56 (1), 1

- Efficiency Assessment of the Composite Materials Repair Systems Intended for Corrosion Damaged Pipelines. A Dumitrescu, A Diniță. ASME 2019 38th International Conference on Ocean, Offshore and Arctic.

- Assessment of Variations in the Physico-Mechanical Properties of Fiberglass Tubing Working in Different Environments. A Diniță, M Minescu, A Dumitrescu, C Teodoriu, CȘ Săraru. ASME 2019 38th International Conference on Ocean, Offshore and Arctic

- Conformity assessment of the measurement accuracy in testing laboratories using a software application. A Diniță. IOP Conference Series: Materials Science and Engineering 174 (1), 012069

- Experimental Research on the Triangular Lattice Type Polymer Based Composites Structures for Sandwich Panels Construction. AC Durbaca, R Iatan, I Durbaca, A Dinita, M Vasilescu. Materiale Plastice 54 (4)

- Experimental and numerical testing of gas pipeline subjected to excavator elements interference. N Adrian, Dinita Alin, P Baranowski, K Sybilski, RI Naim, J Malachowski, Journal of Pressure Vessel Technology 138 (3)

- The influence of discontinuities on elastic and mechanical properties of composite materials reinforced with woven carbon, carbon-kevlar and kevlar D Bolcu, M Sava, A Dinita, CM Miritoiu, F Baci. Mater. Plast 53, 23-28.

- Non uniformity of composite materials reinforced with carbon and carbon-kevlar fibers fabric. MM Stanescu, D Bolcu, I Ciuca, A Dinita. Mater. Plast 51 (4)

- Mechanical properties of a new composite sleeve for pipeline repair. G Zecheru, IE Lața, G Drăghici, A Diniță. Materiale Plastice 1

Research

<https://orcid.org/0000-0002-9242-9431>

5 H-Index 33 Publications in Web of Science; 55 Verified Peer Reviews

7 S-Index 39 Publications in Scopus

7 S-Index 57 Publications in Google Scholar

Skills acquired on the job Scientific research activities in the field of materials, manufacturing technologies, technical condition monitoring, maintenance, rehabilitation and/or upgrading and quality assurance of petroleum, petrochemical, refinery and petroleum product transport and storage equipment. Activities to verify the quality of products made of metallic and non-metallic materials through destructive testing and macro and micro structure examinations. Numerical analyses.

Driving licence Category B

INFORMAȚII SUPLIMENTARE

Specializations and qualifications:

Autocad courses, Mediax Management, 2004.

Didactic and Pedagogic Seminar, Department for the Preparation of Teaching Staff for Higher Education, 2005.

Course Project Manager code COR 241919, Centre for the Implementation of Performance Management Bucharest, 2006 - certificate series B, no. 0030378.

Course Text and Image Processing Operator code COR 411305, S.C. MEMORY S.R.L. Hunedoara, 2012, certificate series H, no. 00137508.

Technical manager destructive examinations (DISPR/K/11902/09.02.2016) - RTED ISCIR

Digital Product Development Course (SolidEdge), 2022

Reviewer Journal of Petroleum Science and Engineering

Reviewer American Journal of Mechanical and Industrial Engineering (AJMIE)

Reviewer MDPI

Head of Laboratory - LED Destructive Examination Laboratory, ISCIR accredited (DISPR/CR6/J;K;L;M/0010/10.06.2014)

Participation 1st Winter School Trends on Additive Manufacturing for Engineering Applications

Romanian Association for Surface Mechanics - ARMR Secretary

Romanian Tribology Association Member

AGIR Member.

Assoc. prof. Alin DINIȚĂ