

INFORMAȚII PERSONALE



PUĂPĂZESCU ALEXANDRU

 Tudor Vladimirescu, 79, Bl. DORA, Ap.40, Ploiesti, 100054

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Sex M | Date of birth 04.04.1953 | Nationality Romanian

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR
PERSONAL STATEMENT

PETROLEUM-GAS UNIVERSITY OF PLOIEȘTI

Professor

WORK EXPERIENCE

2007 – at present

Professor

Petroleum-Gas University of Ploiesti

▪ Teaching and research activity

The teaching of the course of Theoretical mechanics and strength of materials from the Faculty of Mechanical and Electrical Engineering (IME), field Engineering and Industrial Management, Economic Engineering in Mechanical Field specialization (IEDM)

Teaching Mechanics 1 and 2 courses from the Faculty of Oil and Gas Engineering, field Mines, Oil and Gas, with specializations: Oil and Gas Engineering and Transport, Storage and Distribution of Hydrocarbons;

2000 - 2007

Associate professor

Petroleum-Gas University of Ploiesti

▪ Teaching and research activity

As a associate professor I taught course theoretical mechanics and strength of materials from the Faculty of mechanical and Electrical Engineering (IME), field engineering and Industrial Management, Economic Engineering specialization in Mechanical (IEDM); strength of materials course at the Faculty of Mechanical Engineering, field Equipment, Petroleum and Petrochemical (UPP); the course of numerical and experimental Methods stresses analysis, Faculty Petrochemical and Refinery Equipment, advanced studies. I supported the seminar from the discipline of the Finite elements method (FEM) from Faculty of the EMI, petroleum and petrochemical, seminar and laboratory works of the theoretical mechanics and strength of materials from faculty, I.M.E. Industrial Engineering and Management, Economic Engineering specialization in Mechanical;

I had a significant contribution to the development and diversification of the work of the laboratory of theoretical mechanics being coauthor of designing and realization of 4 devices within the mechanical laboratory of "Rudolf Voinaroski "at the University. We designed and built a hammer for breaking energy assessment to shock avulsion of specimens of plastics (polyethylene).

1990 – 2000

Lecturer

Petroleum-Gas University of Ploiesti

▪ Teaching and research activity

As a lecturer I taught "mechanical engineering" at the III year evening school, faculty Petroleum Technology and I maintain the seminar and laboratory disciplines theoretical mechanics and strength of materials during Studies II and III Faculty of mechanical and Electrical Engineering, Mechanic- evening school. Since 1992 I have supported the course of theoretical mechanics and strength of materials from the Faculty of mechanical and Electrical Engineering, Economic Engineering specialization in Mechanical Field.

1981 - 1990

Assistant lecturer

Petroleum-Gas University of Ploiesti

▪ Teaching and research activity

As assistant lecturer I taught seminar and laboratory at disciplines: drawing, theoretical mechanics and strength of materials with years of study I, II and III of the Faculty of Drilling. I got busy with preparing students for professional contest "Andrei Ioachimescu" disciplines theoretical mechanics and strength of materials. Beginning with the school year 1987-1988 I taught the course of "Mechanical engineering" at the III year full-time faculty Oil Technology.

1979 - 1981

Design engineer

The "1 May" factory, Technical Drill bits Service

- Design Tools, Devices, Instruments

As an engineer I attended: designing and manufacturing tools, devices and instruments for both the zero lot and for serial production of drill bits with sliding bearings; design and experimentation of tools manufactured knives for mine; design and realization of tools, devices and the instruments necessary to manufacturing the drill bits with large diameters.

1977 - 1979 **Technologist engineer**

The "1 May" factory, Mechanics 2 Shop

- Tracking technologies for manufacturing in mechanical workshops

Manufacturing technologies for equipment within the drilling facilities. As an engineer I was coauthor of innovation: "device for the production of rings from sealing strip within the ram blowout preventer (DF)".

EDUCATION AND TRAINING

10.2001 – 03.2002 **Experimental and numerical analysis of stresses**

Technical University of Clausthal-Zellerfeld, Germany

- Numerical analysis (finite element) of the experimental determination of mechanical stresses and mechanical stress in the threaded joints.

1999 **Doctor of science**

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Petroleum-Gas University of Ploiesti

- Ph.d doctorate titled "Optimizing the process of extrusion of polyethylene pipes and the study of the mechanical properties thereof"

1993 **The use of microcomputers in local Novell networks and assisted in designing with AUTOCAD**

Petroleum-Gas University of Ploiesti

- Computer networks, assisted design

1972 - 1977 **Engineer**

Oil and Gas Institute, Faculty of Technological equipment, machinery and petroleum Equipment.

- Design and manufacturing of petroleum equipment

1968 - 1972 **High School Graduate**

Lyceum "Mihai Viteazul" of Ploiesti, Division of real

- Mathematics, physics, chemistry.

PERSONAL SKILLS

Mother tongue(s) Limba Romana

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Franceza	C1	C1	B2	B2	B2
Engleza	C1	C1	B2	B2	B2

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

Communication skills

- good communication skills gained through their own experience of teacher

Organisational / managerial skills

- Chairman of the Council of education teaching staff of the Faculty of mechanical and Electrical Engineering from UPG Ploiesti and within the Senate UPG Ploiesti
- Director of Doctoral School

Job-related skills

- I work within the media in higher education and, consequently, working directly with students in relation to that, I appreciate that, communication skills, professional training and education. Also, team work alongside other colleagues from the department is essential for the success of the activities they carry out.

Digital skills

- ANSYS
- MATHCAD, MATLAB
- MICROSOFT WORD ȘI EXCEL

Other skills

- Experimental test of mechanical stresses with strain gauges.
- Experimental evaluation of the life of pipes of PEHD and PP
- Mechanical testing

Driving licence

- B

ADDITIONAL INFORMATION

Publications
Presentations
Projects
Conferences
Seminars
Honours and awards
Memberships
References
Citations
Courses
Certifications

A I edited the "Theoretical mechanics and strength of materials" book, vol. I and II, as unique author. The research resulted in: 63 of specialized articles in the fields of theoretical mechanics, strength of materials, plastics (16 articles in peer-reviewed journals indexed in ISI or international databases; 47 articles in magazines national level; 2 articles in international journals). Published 36 articles in the volumes of national conferences. I participated in the drafting of the 37 contracts research themes in the field given the resistance of materials, technologies and manufacturing of plastic materials. 5 of them have been named director of contract, and 4 were international collective.

- I had significant contributions in the following areas:-the calculation of resistance of threaded connections used in the drilling and production equipment from the oil and gas industry.
- Influence of manufacturing process parameters and operation conditions on the mechanical properties, strength and sustainability of pipes of polyethylene (PE) pipes of natural gas distribution.
- Calculation of strength and bearing capacity evaluation of some important equipment of machine oil refinery and scaffolding.

20.05.2020

