

CURRICULUM VITAE



1. Personal Information

First name, Surname: **Lazăr AVRAM**

Country: Romania

Date of birth: 16 May 1955

Place of birth: Maieru, Bistrița-Năsăud County, Romania

Marital status: married to Avram Maria (teacher of mathematics), two children: Avram Iancu-Adrian (born on 1 June 1980), jurist consult for S.N.G.N. Romgaz Mediaș, Ploiești sector and Avram Sorin-Alexandru (born on 13 April 1983), electronics engineer for S.N.G.N. Romgaz Mediaș, Ploiești sector.

2. Education, Training and Titles

1970-1974 - Sângeorz-Băi high-school; Graduation diploma with **average grade 10/10 (Bacalaureat)**;

1975-1980 – Engineer’s Diploma from the Petroleum-Gas Institute of Ploiești, Romania; **valedictorian with the average grade of 9,88/10**;

1992-1993 - Diplôme de l’Institut Français du Pétrole (Developpement et Exploitation des Gisements);

December 1993 – PhD in Engineering in the field of “Drilling-Production”;

February 1997 – took part in the project CME - 2074/1996, TEMPUS- "Development educational management for the University", at The Nottingham Trent University, U.K. (programme coordinator: prof. dr. Eng. Ion CREȚU);

June-July 1998 - took part in the project TEMPUS JEP 12031/1997, at the Technical University of Madrid (programme coordinator: prof. dr. Eng. C. IONESCU).

January 2000- December.2001- Head of LEONARDO I programme (programme coordinator: prof. dr. Eng. Michel TROQUET-CUST, "Blaise Pascal"-Clermont-Ferrand University, France).

June 2002 – took part in the set-up of the contract with the World Bank 45 151/15, at UNIVERSITA DI PALERMO (programme coordinator: prof. dr. eng I. VOICU).

January 2003- December 2005 – Representative of the Petroleum-Gas University of Ploiesti for the. ENK6-CT-2002-20694 – SMART RESERVOIR NET programme granted by the European Commission (2003-2005): Bruxelles (European Centre- February 2003 and December 2005), Paris (IFP – December 2004).

8-11 May, 2004: Respondent for CITEF (*Conférence Internationale des Formations d’Ingénieurs et de Techniciens d’Expression Française*) from the Petroleum-Gas University of Ploiesti: VIII-èmes Journées Internationales de la Technologie, Québec.

24-26 November, 2005 : Respondent CITEF from the Petroleum-Gas University of Ploiesti and the University of Bucharest for: Journées Scientifiques Ecole-Entreprise-Entrepreneuriat + Atelier (Partage de Cours mis en ligne), Ecole Nationale d'Ingénieurs de Tunis.

7-9 December 2004 : Respondent CITEF from Romania for : „L'Enseignement Supérieur, la Recherche et le Développement industriel en Afrique”, Ngor Diarama, Dakar.

2008 to present: Vice-president CITEF (*Conférence Internationale des Formations d'Ingénieurs et de Techniciens d'Expression Française*), Respondent for zone 5 – Central and Eastern Europe, South-Eastern Asia, Carabbean et. all.

2015: I signed the **Erasmus Grant (Joint Projects)** FW: 561530-EPP-1-2015-1-RO-EPPKA2-CBHE-JP - Gas and Oil Processing, a European Lebanese Cooperation, financed by the European Commission, with the Petroleum-Gas University of Ploiesti - Applicant Organisation (Partners: Lebanese University – Lebanon; KUNGLIGA TEKNISKA HOEGSKOLAN – Sweden; ECOLE NATIONALE SUPERIEURE DES MINES DE SAINT-ETIENNE – France; UNIVERSITY OF BALAMAND – Lebanon etc.). Head of programme: Lazăr AVRAM. Taking part between 2015-2018; Total value: 563656,00 Euro (for the management project: 30 510 Euro).

3. Teaching (Professional) Positions, Institutions

- *July 1980-September 1982* - Engineer on "Gloria" drilling platform;
- *September 1982-January 1990* – Assistant Professor at the Petroleum-Gas Institute of Ploiesti. Fields of interest: specific drilling, offshore drilling, drilling of wells, company management;
- *January 1990-September 1992* – Lecturer at the Petroleum-Gas Institute of Ploiesti; Vice-Dean of the Drilling and Production Faculty;
- *September 1992-September 1993* – Advanced Training at the French Institute of Petroleum – diploma as a certified engineer from this institute;
- *September 1993- September 1995* – Senior Lecturer, PhD, at the Petroleum-Gas University of Ploiesti, member of the Teaching Council of the Drilling Faculty and of the University Senate;
- *September 1995- September 1998* – Associate Professor, PhD in Engineering, the Petroleum-Gas University of Ploiești, member of the Teaching Council for the Drilling and Production Faculty;
- *15 November - 15 December 1997* – Invited Professor at CUST - Institut de Sciences de l'Ingénieur from Clermont-Ferrand, Blaise Pascal University, France;
- *February-March 1999* : Invited Professor at CUST - Institut de Sciences de l'Ingénieur from Clermont-Ferrand, Blaise Pascal University, France;
- *June-July 2000* - Invited Professor at CUST - Institut de Sciences de l'Ingénieur from Clermont-Ferrand, Blaise Pascal University, France;
- *March - April 2001* : Invited Professor at CUST - Institut de Sciences de l'Ingénieur from Clermont-Ferrand, Blaise Pascal University, France;
- *15 May- 15 July 2003* : Invited Professor at CUST - Institut de Sciences de l'Ingénieur from Clermont-Ferrand, Blaise Pascal University, France;
- *15 May- 15 July 2004* : Invited Professor at CUST - Institut de Sciences de l'Ingénieur from Clermont-Ferrand, Blaise Pascal University, France;

15 May- 15 July 2005 : Invited Professor at CUST - Institut de Sciences de l'Ingénieur from Clermont-Ferrand, Blaise Pascal University, France;

15 June- 15 July 2006: Invited Professor at CUST - Institut de Sciences de l'Ingénieur from Clermont-Ferrand, Blaise Pascal University, France;

15 June- 15 July 2007: Invited Professor at CUST - Institut de Sciences de l'Ingénieur from Clermont-Ferrand, Blaise Pascal University, France;

15 June- 15 July 2008: Invited Professor at CUST - Institut de Sciences de l'Ingénieur from Clermont-Ferrand, Blaise Pascal University, France;

15 May- 15 June 2010: Invited Professor at CUST - Institut de Sciences de l'Ingénieur from Clermont-Ferrand, Blaise Pascal University, France;

1 June - 30 June 2011: Invited Professor at CUST - Institut de Sciences de l'Ingénieur from Clermont-Ferrand, Blaise Pascal University, France;

16 April- 20 April 2013: Invited Professor at Kavala Institute of Technology, Greece (*Drill string in vertical, directional and horizontal drilling. Case study: shale gas. Drilling simulation*).

March 2014: keynote speaker at *Offshore Technology Conference (OTC)* of Asia

15 September 2010 – to present date: Invited Professor at "Lucian Blaga" University of Sibiu (Master classes: Drilling management).

- February 1998 - 2006 – Professor, PhD in Engineering (prof.dr.eng.) at Petroleum-Gas University of Ploiești, Member of the Teaching Council of the Well Drilling Faculty, Scientific Secretary for the Well Drilling and Reservoir Exploitation Faculty.

- 2006 to present - Professor, PhD in Engineering (prof.dr.eng.) at Petroleum-Gas University of Ploiești, Member of the Teaching Council of the Petroleum and Gas Engineering Faculty, Member of the University Senate, Head of the Drilling-Production Department (from June 2011 – Head of the Well Drilling, Production and Transportation of Hydrocarbons Department).

4. Professional Activity

- Tenured professor for the lectures: Specific drilling and offshore drilling (3rd year of study – Drilling), Construction-Settings (3rd year - Drilling), Well drilling and production (2nd year – Technology) and Directional Drilling (4th year, Master Drilling), Well drilling technology (4th year, Petroleum-Gas Engineering); coordinator of workshops and seminars for: Specific drilling and offshore drilling, Well drilling technology, Petroleum management, Directional drilling.

- Planning and equipping E-II 3 Laboratory with more than 200 pieces of technology and devices specific to drilling; providing technical assistance and expertise to the Mine Works Ploiești (in present Regia Autonomă a Lignitului – Brown Coal Autonomous Company), to the petroleum company PETROM SA, Tg. Mureș Drilling Rig, DAFORA SA – Mediaș Drilling Rig etc., regarding issues specific to wells with large diameters, Hydrogeological wells, wells for petroleum and gas etc.

- Participating in 65 research grants, with 25 as a topic respondent; scientific coordinator for more than 30 papers, out of which 15 have received awards (10 with the 1st position); coordinator of many collective volumes with papers awarded during students' conferences (1985, 1989).

5. Scientific Activity, Publications

- Author or co-author to more than 200 papers and conference presentations published inside the country and abroad: among the papers which were mainly appraised were « *L'effets de l'exothermie du ciment pendant la cimentation des puits forés* » – Matériaux & Techniques , No. 9-10 (Paris, 1999) ; « *Situation actuelle de la décontamination des sols et des sous-sols en Roumanie* », ONU Symposium (Paris, March, 2001) etc.

- Author or co-author to 29 scientific books published by various publishing houses inside the country (three of which were published at Editura Tehnică, Bucharest, in 1996, 1998, 2000: *Foraje speciale și foraj marin* [Specific Drilling and Offshore Drilling]; *Conducerea operativă a activității de forajul sondelor asistată de calculator* [Executing Well Drilling Operations with Computer Assistance]; *Dicționar de petrol englez-român-francez* [English-Romanian-French Dictionary of Petroleum Terms] (in collaboration with Michel Troquet, CUST-Franța) (second edition in 2004).

- Author of five workbooks and laboratory guides, among which the book "*Guide concernant l'amélioration de la technologie de forage pour les puits de grands diamètres*", published in France, by the French Institute of Petroleum, which was highly appreciated by the French scientists;; "*Lexicul englez-român-francez de petrol*" [English-Romanian-French Lexis of Petroleum] (four editions) comes to support all those interested in promoting novelty in the field; « *Dicționarul de ecologie aplicată* » [Dictionary of Applied Environment Protection] (« Premier », Ploiești, 2002, in collaboration with M. Troquet and J. Troquet) which addresses readers from the field of environment protection; *Dicționarul de petrol și gaze* (englez-român-francez) [English-Romanian-French Dictionary of Petroleum Terms] (autori : L. Avram, M. Troquet, C. G. Dussap and G. Lixandru) which facilitates the acces to scientific studies in Europe and the U.S.A etc.

- Co-author of „*Dicționarului enciclopedic de mediu*” [Dictionary Environment Protection Encyclopaedic Dictionary] (2 volumes), Regia Autonomă MONITORUL OFICIAL publishing house, Bucharest 2005 (1700 pag.), which received the Romanian Academy Award (Scientists' Section) (2005).

- Five patented inventions (and another four during the process of being patented).

- Patent no. 172/ 15.01. 2015, was awarded the CNR-CME medal for great contribution to the growing prestige and to the promoting of the Romanian National Committee Association of the WORLD Energy Council both in Romania and abroad.

- Referee for 15 published courses, for 4 doctoral theses etc.

- ANSTI and MENER project evaluator.

- Evaluator at the national level of applications for international scholarships in the field of *Mines, Petroleum and Gases* (2012).

- PhD supervisor from 2000, 15 PhD students.

- 20 PhD graduates for the MINES, PETROLEUM AND GAS field from 2005.

- Took part in the LEONARDO 2 programme (together with CUST – Clermont-Ferrand) and in SOCRATES programme; respondent from the Petroleum and Gas University of Ploiești (students' internship programmes): collaborator to several TEMPUS (CME-2074/1996, JEP 12031/1997 etc.) programmes; Respondent form the Petroleum and Gas University of Ploiești for the n. ENK6-CT-2002-20694 – SMART RESERVOIR NET grant financed by the European Commission (2003-2005).

- Respondent for the MENER 2004 form the Petroleum and Gas University of Ploiești. Collaborators: ISPIF Bucharest, IP Bucharest, Biobasic Environnement – Clermont-Ferrand (Franța).
- Technical services: counselling for the fields of specific drilling, offshore drilling, well drilling for hydrocarbons, petroleum management; consultancy and training for the fields of specific drilling, offshore drilling, well drilling for hydrocarbons, petroleum management.

6. Other Information

- **CORRESPONDENT MEMBER OF THE ACADEMY OF TECHNICAL SCIENCES (ASTR)** from 16 May 2018; **TITULAR MEMBER of ASTR** from July 2020.
- **MEMBER OF THE WRITERS UNION OF ROMANIA (USR)**, from 2019.
- Ten diplomas awarded for notable results in professional competitions, conferences and several prizes (more than 10 prizes);
 - Awards: Anniversary Medal 50 Years since the Foundation of the Petroleum and Gas Institute; Anniversary award for services to the Romanian culture: 150 years since Mihai Eminescu's birth; Excellence Diploma: the anniversary of 35 years of activity for the Petroleum Gas University of Ploiești; Anniversary Medal from the Writers' Union of Romania SINTEZE journal; Honorary diploma (first prize) for creativity in the field of science and technology, Câmpina, 1989; Honorary diploma: „Writers' Society C. Negri”, 1998; Honorary diploma ISPIF-75 for „notable collaboration in the field of studies, design and research-development” (2002); Excellence Diploma UPG-35 (2002); Honorary Diploma and Anniversary Medal “Excellence in Performance” – 150 years of Romanian Petroleum History; Opera Omnia Diploma – Romeo and Juliet in Mizil, 5th Edition 2011-2012; Anniversary Diploma - Romeo and Juliet in Mizil, 5th Edition 2011-2012; Diploma of merit – Transylvanian Association for Romanian literature and Romanian People's Culture – Astra, Despărțământul Năsăud (2012); Excellence Diploma – the association “The Petroleum and Gas Engineers' Society”, 2001-2016; Diploma – Honorary citizen of Maieru, Bistrița-Năsăud, 29 April 2018; Diploma of High Honour – Maieru Parish, Metropolitan Residence in Cluj-Napoca, no. 1808, 29 April, 2018; Excellence Diploma FOREN, Energy Forum, 14th Edition (International Conference), 10-14 June, Vox Maris, Costinești, 2018; Present in *Elitele industriei petro-gaziere românești* (coordonator Gh. Buliga), 2014 etc.
 - I have written and I have taken part in discussions regarding petroleum in general in publications such as: "Flamura", "Viața studentească", "Flamura Prahovei", "Prahova", "Revue de Clermont-Ferrand", « Zaman » (e.g. « Adevărul despre gazele de șist » [The Truth about Schist Gases] , interview with Cleopatra Lorințiu in « Zaman », 15 – 31 january, 2014) etc.
 - I have been invited to several television shows for debates on cultural topics: Prahova Tv. (2009 și 1 Decembrie 2010), Valea Prahovei VP (29 noiembrie 2009), Pro Tv, Realitatea Tv etc.
 - Member of Engineers' Association of Romania (AGIR), member of "Association des ingénieurs diplômés" (ENSPM), Paris, since 1993; member of the Prahova Scientists' Organization, since 1995; member of CITEF since 2002.
 - 2005 to present: Member of the Association “PETROLEUM AND GAS ENGINEERS ASSOCIATION” (SIPG).
 - 2006 to present: Member AFIM (Association Française des Ingénieurs et Responsables de Maintenance).
 - Member of the Scientific Committee of CITEF (since2005).

- Vicepresident CITEF (*Conférence Internationale des Formations d'Ingénieurs et de Techniciens d'Expression Française*), Respondent for the 5th zone – Central and Eastern Europe, South-Eastern Asia, Caribbean etc (since 2008).
- Member of the Editorial Board of *Revista Națională de Gaze naturale* [Natural Gas National Journal] (since 2006).
- Membership to ASME (The American Society of Mechanical Engineers) – (setting the standard), since 2012.
- Membership to ISRM (International Society for Rocs Mechanics) - Romanian National Group of International Society for Rock Mechanics – RONGISRM, since 2016.
- SPE International Membership since 2015.
- Membership to the Editorial Board of the ENERGY Industry Review.
- Author to four volumes of poems: *Poeme Cărunte* [Grey-Haired Poems] (1994), *Ning spicele tăciune* [Grains are Snowing Soot] (1997), *Rădăcini albe* [White Roots] (2000) and *Ritmuri măierene / Rithmes măieriens* [Maierean Rhythms] (2008) (bilingual volume Romanian-French) – well received by the literary critiques; member of the *Romanian Writers' Union (Galați branch)*, since 1998; Editor-in-chief of "*Sinteze*" journal. In 2018, TipoMoldova (Iași) published the volume *POEZII – Opera Omnia* (Poezie Contemporană) [POEMS – OPERA OMNIA (Contemporary Poetry)].
- Author of the volumes of memories and reflections, *Memoria inimii* [Heart's Memory] Semne publishing house, Bucharest, 2010; *Leac de singurătate / Remède contre la solitude* [Cure for Loneliness] Karta-Graphic publishing house, Ploiești, 2013/2016, *Dincolo de semne* [Beyond Signs], Karta-Graphic publishing house, Ploiești.
- Author of the volume of epigrams: *Epigrame viole(n)te în 927 de cartușe* ["Viole(n)t epigrams in 927 cartridges"].