

## Curriculum vitae Europass



### Personal information

First name(s) / Surname(s) **Moraru, Roland, Iosif**  
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 Telephone(s) (40-25) 454 25 80 Mobile: (40-72) 362 41 05  
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 E-mail roland\_moraru@yahoo.com  
 Nationality Romanian  
 Date of birth 02.11.1961  
 Gender Male

### Work experience

Dates	23.02.2015 - presently
Occupation or position held	<b>Professor (Full) tenured in teaching lines:</b> Occupational Health and Safety; Ventilation, Occupational Health and Safety, Occupational Risk Assessment Methods; Risk Management
Main activities and responsibilities	Teaching and scientific research conducted at the University of Petroșani, as of 1/12/1989 and so far, is described in detail the position of Associate Professor
Name and address of employer	University of Petroșani, Universității Str, no. 20, Petroșani, Romania
Type of business or sector	Cod CAEN 8542 - Higher Education (teaching activity - research)
Dates	2013- presently
Occupation or position held	<b>Coordinator</b> of graduate program „ Safety Engineering in Industry”
Main activities and responsibilities	Coordination of all activities of teaching, developing functions states, graduation examinations, coordination of provisional authorization dossiers and accreditation by RQAAHE, etc.
Name and address of employer	University of Petroșani, Universității Str, no. 20, Petroșani, Romania
Type of business or sector	Cod CAEN 8542 - Higher Education
Dates	2012-presently
Occupation or position held	<b>Vice-Dean of the Faculty of Mines</b>
Main activities and responsibilities	Regulations development, academic management of educational processes, coordination of the scientific research activity of faculty staff members
Name and address of employer	University of Petroșani, Universității Str, no. 20, Petroșani, Romania
Type of business or sector	Cod CAEN 8542 - Higher Education
Dates	2012-presently
Occupation or position held	<b>Senate Member</b> of the în Senate of University of Petroșani, <b>President</b> of the „Student Issues” Committee of the Senate.
Main activities and responsibilities	Regulations and methodologies development, academic management of the University
Name and address of employer	University of Petroșani, Universității Str, no. 20, Petroșani, Romania
Type of business or sector	Cod CAEN 8542 - Higher Education (teaching activity - research)

Dates	2012-presently
Occupation or position held	<b>Member</b> of the Faculty of Mines Council and <b>President</b> of the Committee for „Structures and education programs” of the Council.
Main activities and responsibilities	Curricula development coordination. Education programs Authorization / Accreditation of study programs. State of functions. Admissions. Contests. Baccalaureate presidents nomination
Name and address of employer	University of Petroșani, Universității Str, no. 20, Petroșani, Romania
Type of business or sector	Cod CAEN 8542 - Higher Education
Dates	2011 -presently
Occupation or position held	<b>Coordinator</b> of the Master study program „Occupational Health and Safety Management”
Main activities and responsibilities	Coordinating all teaching activities, developing functions states, examinations, dissertation, coordination RQAHE accreditation files, etc.
Name and address of employer	University of Petroșani, Universității Str, no. 20, Petroșani, Romania
Type of business or sector	Cod CAEN 8542 - Higher Education (teaching activity - research)
Dates	Din 01.10.2002 – 22.02.2015
Occupation or position held	<b>Associate Professor</b> , tenured
Main activities and responsibilities	<p><b>Teaching:</b></p> <ul style="list-style-type: none"> <li>• teaching activities related to the subjects performed on basic norm: Labor protection in the mining industry, Labor protection, Occupational health and safety in construction, Ventilation and safety, Ventilation in underground construction, Mine ventilation, Risk analysis, Climatology, Health and safety at work;</li> <li>• teaching activities carried out under specialization "<b>Safety and health – Master of Science Degree</b>" in disciplines: Risk analysis, Fires and explosions, Pollution in time and space;</li> <li>• teaching activities carried out in the specialization "<b>Management of health and safety at work - Master of Science Degree</b>" in the following disciplines: Risk analysis, Safety assessment of quality machinery, Elements of probability theory applied in industrial risk analysis;</li> <li>• teaching activities carried out under specialization "<b>Anthropic impact assessment and reconstruction of affected areas – Master of Science Degree</b>" in the subject: Risk Analysis;</li> <li>• teaching activities carried out under specialization "<b>Risk assessment of occupational injury and disease - Postgraduate Course</b>" in the subjects: The risk assessment of accidents and professional diseases, Risk management, Probability theory and statistical mathematics elements applied in industrial risk analysis;</li> <li>• coordination of diploma graduate thesis, dissertation and graduate specializations final projects in the courses listed above;</li> <li>• participation as a member in doctoral admissions committees in the areas of <b>Industrial Engineering and Mining, Oil and Gasses</b>;</li> <li>• participation as a member of the committees for sustaining doctoral exams and essays in the fields of Industrial Engineering and Mines, Oil and Gas;</li> <li>• participation as a Official Reviewer in Committees of Public Presentation of 15 Ph.D. Thesis in <b>Industrial Engineering and Mining, Oil and Gasses</b>, at the University of Petroșani.</li> </ul> <p><b>Scientific research activity:</b></p> <ul style="list-style-type: none"> <li>• Director, responsible or member in the elaboration of 44 scientific research contracts 23 with local beneficiaries, 14 on national level, one international grant, 3 POSDRU grants as long term expert). Publication of scientific research results activity: <ul style="list-style-type: none"> <li>• Articles and papers published: <ul style="list-style-type: none"> <li>▪ in ISI journals: 5</li> <li>▪ in Proceedings of ISI indexed Conferences volume ale conferințelor indexate ISI (ISI Conference Proceedings Citation Index-CPCI): 43;</li> <li>▪ in national and foreign journals indexed in International Databases (BDI): 100;</li> <li>▪ in national journals (others than those acknowledged by the National Council for Scientific Research - CNCS): 53;</li> <li>▪ in Proceedings of international scientific events: 68;</li> <li>▪ in Proceedings of national scientific events: 27;</li> </ul> </li> <li>• handbooks, monographs and treatises published in the publishing houses with ISBN: 18;</li> <li>• 2 chapters published in handbooks edited abroad.</li> </ul> </li> </ul>
Name and address of employer	University of Petroșani, Universității Str, no. 20, Petroșani, Romania
Type of business or sector	Cod CAEN 8542 - Higher Education (teaching activity - research)

Dates	2009-2011
Occupation or position held	<b>Long term expert</b> in implementation of grant titled „Development of labor market by promoting rural non-agricultural occupations, no. HRD-POSDRU / 13 / 5.2 / S / 11nr.106 / 25.09.2008, amounting to 567,504.50 lei, coordinated by the University of Agronomic Sciences and Veterinary Medicine Bucharest, financed by the Ministry of Labour, Family and Social Protection and European Social Fund
Main activities and responsibilities	Education and training in safety and health at work for the occupations " <i>Boarding house manager</i> " and " <i>Drywall lifter</i> "
Name and address of employer	University of Petroșani, Universității Str, no. 20, Petroșani, Romania
Type of business or sector	Cod CAEN 8542 - Higher Education (teaching activity - research)
Dates	2009
Occupation or position held	<b>Long term expert</b> in implementation of grant titled Education and training in the field of safety and health at work, grant no. HRD - POSDRU/ 39 / 3.2 / G / 26,581, amounting to 1,729,770 lei
Main activities and responsibilities	Education and training in Safety and Health at Work
Name and address of employer	„Lucian Blaga” University of Sibiu Bld. Victoriei, 10, ZIP code 550024, Sibiu Phone: 0040-269-216062, fax: 0040-269-217887
Type of business or sector	Cod CAEN 8542 - Higher Education
Dates	2008-2009
Occupation or position held	<b>Member International Research Grant</b> - Joint Research Project R03/2008/MEDI/ANCS-2008-2009 financed by Romanian and Indian Governments
Main activities and responsibilities	Development and implementation of research activities in the field of: <i>The environmental impact of coal mines closure and ecological rehabilitation of mining area of India and Romania</i>
Name and address of employer	University of Petroșani, Universității Str, no. 20, Petroșani, Romania
Type of business or sector	Cod CAEN 8542 - Higher Education (teaching activity - research)
Dates	01.10.1993 – 30.09.10.2002
Occupation or position held	<b>Senior Lecturer, tenured</b>
Main activities and responsibilities	Teaching and scientific research conducted at the University of Petrosani, as of 1/12/1989 and so far, is described in detail the position of Associate Professor
Name and address of employer	University of Petroșani, Universității Str, no. 20, Petroșani, Romania
Type of business or sector	Cod CAEN 8542 - Higher Education (teaching activity - research)
Dates	01.12.1989 - 30.09.1993
Occupation or position held	<b>University Assistant, tenured</b>
Main activities and responsibilities	Teaching and scientific research conducted at the University of Petrosani, as of 1/10/1990 and so far, is described in detail the position of Associate Professor
Name and address of employer	University of Petroșani, Universității Str, no. 20, Petroșani, Romania
Type of business or sector	Cod CAEN 8542 - Higher Education (teaching activity - research)
Dates	01.10.1986 - 30.11.1989
Occupation or position held	Electromechanical engineer
Main activities and responsibilities	Production activity, as an engineer trainee in the Ventilation, Health and Safety and Transport sectors
Name and address of employer	Aninoasa Colliery, Str. Uzinei nr. 1, Aninoasa, jud. Hunedoara
Type of business or sector	Coal mining and processing
<b>Education and training</b>	
Dates	2013
Title of qualification awarded	<b>Certificate of completion</b> of Program of training in quality assurance and awareness remote education –ID, issued 04/12/2013 in POSDRU / 86 / 1.2 / S / 60720 „Development and implementation of a monitoring system, continuous improvement and quality assessment in open and distance higher education based on performance indicators and international quality standards”, implemented between 03.01.2011-31.12.2013

Principal subjects/occupational skills covered	Quality assurance in distance education -ID
Name and type of organisation providing education and training	Spiru Haret University, Comercial Academy of Satu-Mare and TUV Austria - România
Dates	2013
Title of qualification awarded	<b>Certificate of completion</b> of Program of training in the field of <i>Quality Management in Higher Education</i> , in POSDRU / 86 / 1.2 / S / 60720 „ <i>Development and implementation of a monitoring system, continuous improvement and quality assessment in open and distance higher education based on performance indicators and international quality standards</i> ”, implemented between 03.01.2011-31.12.2013
Principal subjects/occupational skills covered	<i>Quality Management in Higher Education</i>
Name and type of organisation providing education and training	Spiru Haret University, Comercial Academy of Satu-Mare and TUV Austria - România
Dates	2012
Title of qualification awarded	<b>Certificate of graduation</b> in specialization course " <i>Text and images processing operator</i> " and " <i>Lectora</i> ", H series nr.00137366 / 2010, issued under no. 108 of 31.08.2013
Principal subjects/occupational skills covered	„Text and images processing operator” cod COR 411305
Name and type of organisation providing education and training	S.C. Memory S.R.L. Hunedoara
Dates	October-november 2012
Title of qualification awarded	<b>Certificate of completion</b> of Training Program on the use of tracking tools to monitor attendance and labor market of Alumni insertion held in grant POSDRU 86 / 1.2 / S / 52422 "Management of correlating the education system and labor market"
Principal subjects/occupational skills covered	Using tracking tools to monitor attendance and Alumni insertion in the labor market
Name and type of organisation providing education and training	National Institute for Scientific Research on Labour and Social Protection, National Center for Statistics
Dates	17.09.2009-27.10.2009
Title of qualification awarded	<b>Certificate of graduation</b> the specialization course "Specialist in safety and health at work" series F, nr.0275313 / 2010, issued under no. 129 of 18.01.2010
Principal subjects/occupational skills covered	Specialist in safety and health at work cod COR 241220
Name and type of organisation providing education and training	S.C. BREMAC S.R.L. Hunedoara
Dates	15.05-31.07..2009
Title of qualification awarded	Graduation Certificate training course "Project Manager"
Principal subjects/occupational skills covered	Occupational skills are presented in descriptive supplement of the certificate (Annex 1)
Name and type of organisation providing education and training	S.C. RADU & NISTOR IMOBILINVEST S.R.L. Craiova
Dates	10.05-21.05.2007
Title of qualification awarded	Graduation Certificate training course "Trainer"
Principal subjects/occupational skills covered	Occupational skills are presented in descriptive supplement of the certificate (Annex 2)
Name and type of organisation providing education and training	Training and Regional Development Center - Constanta
Dates	20.01—25.03.2007
Title of qualification awarded	Graduation Certificate of the Postgraduate Course "Risk assessment of occupational injury and disease"

Principal subjects/occupational skills covered	Occupational skills are presented in descriptive supplement of the certificate (Annex 3)
Name and type of organisation providing education and training	„1 Decembrie 1918” University of Alba-Iulia
Dates	2005
Title of qualification awarded	Certificate of entitlement, no.43PS1213 / 26.10.2005
Principal subjects/occupational skills covered	Empowered Adviser to provide services on labor protection
Name and type of organisation providing education and training	Ministry of Labour, Social Solidarity and Family
Dates	01.10.1994-30.06.1995
Title of qualification awarded	Expert engineering degree in mining safety and environment
Principal subjects/occupational skills covered	The subjects studied are presented in the diploma supplement transcript (Annex 4)
Name and type of organisation providing education and training	Centre d'Etudes Superieures pour la Sécurité et l'Environnement Miniers - CESSEM, Ecole des Mines d'Alès, Franța
Dates	1992-1999, doctoral internship
Title of qualification awarded	Doctor in the branch of science "Technique", specialization "Mines, Oil and Gas" (Appendix 5)
Principal subjects/occupational skills covered	Ph.D.Thesys Title: Controlled air recirculation as a technique for mine faces ventilation
Name and type of organisation providing education and training	University of Petroșani
Level in national or international classification	ISCED 6
Dates	1981-1986
Title of qualification awarded	Engineer <ul style="list-style-type: none"> <li>• Profile: Mining Machinery and Equipment</li> <li>• Specialisation: Mining Machinery and Equipment</li> </ul>
Principal subjects/occupational skills covered	The subjects studied are presented in the diploma supplement transcript
Name and type of organisation providing education and training	Institute of Mining Petrosani, Faculty of Mining Machinery and Equipment
Level in national or international classification	ISCED 5
Dates	1976-1980
Title of qualification awarded	Baccalaureate Diploma, Series A no. 219 626, no. 126 / 08.07.1981
Principal subjects/occupational skills covered	Electrotechnical profile
Name and type of organisation providing education and training	Industrial High School no. 1 Petrosani, Jud. Hunedoara
Level in national or international classification	High School

### Personal skills and competences

Mother tongue(s) Romanian

Other language(s)

Self-assessment

European level (\*)

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	Written expression

French	C1	Proficient user	C1	Proficient user	B2	Utilizator independent	B1	Utilizator independent	C1	Proficient user
English	C2	Proficient user	B2	Independent user	A2	Independent user	A1	Independent user	A1	Independent user
German	A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user
Hungarian	A2	Basic user	A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user

(\*) *Common European Framework of Reference for Languages*

Social skills and competences

- Ability to adapt and availability for teamwork
- Good communication skills, balance and rigor
- Coordination training in work teams
- Adaptation to multicultural society
- Participative leadership skills

Organizational and managerial skills and competences

- Organizing graduate courses and postgraduate courses in health and safety at work;
- Coordination of postgraduate courses in safety and health organized by the University of Petroșani with INCDPM Bucharest
- Coordination of regional and national projects
- Coordination conferences and scientific research scientific and technical
- Coordination of regional and national research projects;
- Director Department of Mining, Surveying and Civil Engineering (06 December 2011 – 05 April 2012)
- Vice-Dean of Faculty of Mines (UP Decision no. 24/06 april 2012)
- Member of the Council of Faculty of Mines of the University of Petroșani (2012-present)
- Member of the Senate of the University of Petroșani (2012-present)
- Member of the Senate Bureau of the University of Petroșani (2012-present)
- Member of the Faculty of Mining Commission to take over the investigation and evaluation of dossiers of teachers who requests that the equivalence of studies on ECSET / ETCS (UP Decision no. 115 of May 8, 2012)
- Member of the Faculty of Mining Commission of admission organization and development to undergraduate studies, master's and doctoral cycles academic year 2012-2013 (UP Decision no. 110 of May 8, 2012)
- Member of the Scientific Council of the Library of the University of Petroșani (UP Decision no. 103 of 24 April 2012)
- Chairman of the Internal Approval Commission of contracts for scientific research in the Faculty of Mining (UP Decision no. 93 of 24 April 2012)
- Chairman of the Commission on holding of second degree examinations, specialized in Mining in August 2012 session (UP Decision no. 119 of 18 May 2012 and Address MECTS no. 43670 of 25.june 2012)
- Responsible of Mining Faculty in Internal Control Monitoring Committee of the University of Petroșani (Decision no. 7/2012 of the UP CA)

Technical skills and competences

- studies and projects in the areas of occupational risk assessment, risk analysis, technical safety and health industry, risk management, environmental protection, mining engineering, mining and industrial ventilation;
- identification of specific physical and chemical risks generated in technological process of exploitation and processing of minerals and the development of technical and organizational measures to reduce the influence of risk factors that cause occupational diseases and injuries;
- professional risk assessment to prevent and combat the causes that can cause accidents at work and occupational diseases;
- drafting quality system documents (quality manual, procedures: general, specific, system procedures, testing, operational, organizational and operational regulations) for noise certification body and laboratory testing for noise and vibration;
- development of the model of integrated management of health and safety at work and auditing tools in integrated management: quality-environment-safety and health at work;
- development of guides and handbooks for good practice in the extraction and processing of minerals;
- modernization of the laboratory infrastructures available to assess the risk to human health;
- monitoring of measures and parameters of safety and health at work in testing undermined bench mining method of operation in the Jiu Valley coal basin mining;
- technical expertise of unwanted events produced in different businesses;
- environmental risk assessment, characterization and management;
- technical training in health and safety at work .

Computer skills and competences

Using the software package MS Office (Word, Excel, PowerPoint, Access)

Graduate of specialization courses titled „Text and images processing operator” and „Lectora”, followed within the project „Development of human resources in higher education for operating e-learning systems”, Grant code POSDRU/87/1.3/S/64273, (october 2012).

Other skills and competences

**Other skills and areas of expertise:**

- Empowered by the Ministry of Labour, Social Solidarity and Family to provide services on labor protection (certificate of entitlement no. 43 PS 1213 of 26.10.2005)
- Certificate "Expert consultant in health and safety at work" TM series, No. 38 of 23.03.2013, issued by the Professional Association for Occupational Safety and Health Timișoara

**Reviewer national and international journals and conferences, books, treatises**

- Journal of Environmental Research and Management (BDI journal)
- Annales Universitatis Apulensis Series Oeconomica (BDI journal)
- Annals of the University of Petroșani - Mining Engineering (BDI journal)
- International Conference on Manufacturing Science and Education MSE
- International Conference *Career management in knowledge based society*
- Scientific reviewer Arad Dumitru Victor "geomechanical Risks in Mining Engineering" Ed.Universitas, Petroșani, 2013.

**Member of the Scientific Committees of International Conferences**

- Scientific Committee of the XXII Mountain School of Polish Information Processing Society's International Conference "IT System's Application in Business and Industry Practice" Szczyrk, Polonia, 2015.
- Scientific Committee of the 6<sup>th</sup> International Conference on Manufacturing Science and Education MSE 2013 *Smart Sustainable Development, Sibiu, România*
- 1<sup>st</sup> International Conference *Career management in knowledge based society* –Alba-Iulia, România, 2013.
- 2<sup>nd</sup> International Conference *Career management in knowledge based society* –Chestochowa, Polonia, 2014.
- 5<sup>th</sup> și 6<sup>th</sup> International Symposium on Occupational Health and Safety, INSEMEX Petroșani, SESAM 2013.
- 7<sup>th</sup> edition of the International Conference on Management Economics and Accounting (ICMEA 2013)

Additional information

**Member of the following professional organizations:**

- Honorary Fellow of the Professional Association for Labor Safety and Health Timisoara (A.P.S.S.M.T.), since 2008;
- Romanian Association of Tunnels ART România (1993-1999)
- Computer Aided Engineering Society (SIAC), since 1994;
- Romanian Society for the Protection of Atmosphere (SOROPA), since 1996
- Romanian Association for Electrical Safety (2009), founding member and Vice-president;
- Romanian Association for Electical Safety (2009); founding member and vice president;
- General Association of Engineers in Romania (AGIR), since 2013
- Association of Romanian National Committee of World Energy Council (CNR - CME), 2014

**Editor of International Journals**

**Journal of Environmental Research and Management** (BDI: Index Copernicus, World Health Organization (WHO) via African Index Medicus, Chemical Abstracts (CAS), DRJI and Google Scholar. Pentru relații: Andrew Boston For E3 Journals Publication Committee, Email: [service@e3journals.org](mailto:service@e3journals.org); URL: [www.e3journals.org](http://www.e3journals.org)

**Documentation and specialization stages:**

2012- GEI 2A and Centro de Praticas EASMUS, Barcelona, Spain  
2011-Pecsi Tudomány Egyetem/University of Pecs, Hungary  
2008-Kharagpur Indian Institute of Technology  
2008-Dhanbad School of Mines, India  
2007-Technical University of Ostrava, Faculty of Safety Engineering, Czech Republic  
1999- Ecole Nationale Supérieure des Techniques Industrielles et des Mines d'Alès - ENSTIMA, France

- **National and international recognition**

Included in **Marquis Who's Who -2014** ([http://bios.marquiswhoswho.com/roland\\_iosif\\_moraru/engineering\\_educator\\_researcher/8350672](http://bios.marquiswhoswho.com/roland_iosif_moraru/engineering_educator_researcher/8350672))

- **Citations**

**49** citations in ISI journals and ISI CPCI – Conference Proceedings Citation Index

**37** citations in journals indexed in BDI and B+ category

**8** citations in international journals, conferences proceedings (not indexed)

**53** citations in handbooks, practical guides, treatises edited in national publishing houses

**134** citation in national Ph.D. Thesis

**54** citations in national conferences, symposia, grants, journals.

References will be provided upon request

01.04.2015

Prof.univ.dr.ing MORARU ROLAND IOSIF

