



Curriculum vitae Europass

PERSONAL INFORMATION

Name CRISTIAN VASILE ARION
Address(es) BUCHAREST, MUNTII GURGHILUI 37A, AP.6, ROMANIA
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E-mail arion@utcb.ro
Nationality Romanian
Date of birth 11, 03, 1973

Desired employment / Occupational field

WORK EXPERIENCE

Dates	OCT. 1997 – PRESENT
Occupation or position held	Lecturer, Civil Engineer, Reinforced Concrete Department
Main activities and responsibilities	<ul style="list-style-type: none">- Teaching activity (reinforced concrete, structural safety)- Research contracts with Romanian Ministries (Education and Public works).- Co-Author of national building codes (wind action, snow action, earthquake resistant code).- Site seismic analysis for industrial facilities, hotels, banks.- Vibration measurements for buildings and soils.- Consultant to private companies: Saint Gobain, Paul C. Rizo Associates, JICA, Setelcom.- European research projects within FP5 – RISK UE (coordinated by BRGM – France), 2001 - 2004, Nemisref project (coordinated by Soletanche Bachy), 2002 –2005, and PROHITECH Earthquake Protection of Historical Buildings by Reversible Mixed Technologies, 6th Framework Programme of the European Commission, 2004 – 2008.
Name and address of employer	Technical University of Civil Engineering, Bucharest, Lacul Tei 124, Bucharest, www.utcb.ro
Type of business or sector	Education and Research
Dates	NOVEMBER 2002 – AUGUST 2010
Occupation or position held	Chief of Division Technical Experimentation for Soil and Structures
Main activities and responsibilities	Running the dynamic triaxial equipment, Seismic prospecting, vibration measurements, Development of GIS microzonation, Dynamic characteristics of soils, soil testing
Name and address of employer	National Center for Seismic Risk Reduction, Bucharest, Sos. Pantelimon 266,
Type of business or sector	Public institution of national interest subordinated to the Ministry of Public Works of Romania
Dates	MAY 2001 - 2002
Occupation or position held	Design Engineer
Main activities and responsibilities	Seismic design of Reinforced Concrete Buildings Member of the team for the structural design projects: Tour Place de la Victoire (architect Galmard architect s.a.r.l.) Bucharest. I was responsible with structural design and computer modeling of the structures.
Name and address of employer	MIRO Grup SRL.
Type of business or sector	Building design, expertise, retrofitting projects
Dates (from – to)	JULY 1996 – OCT. 1997
Occupation or position held	Design Engineer

Main activities and responsibilities	Seismic design of Reinforced Concrete Buildings Member of the team for the structural design projects of: Marriott Grand Hotel, 55 Mihai Voda street - GF+8st., National Stadium, 253 Calea Calarasilor street GF+8st.; Chief of the structural design project of RGAB Sector 2 headquarter.
Name and address of employer	INGINERIE CIVILA S.R.L.
Type of business or sector	Building design, expertise, retrofitting projects
EDUCATION AND TRAINING	
Dates	Jan. 2004 – June 2004
Title of qualification awarded	Certificate of graduation
Principal subjects/occupational skills covered	Soil tests and investigations (Laboratory and Field experiments)
Name and type of organisation providing education and training	Building Research Institute, Tsukuba , Japan (Ministry of Construction Land and Infrastructure) Tokyo University (Towhata lab); Waseda University (Hamada lab)
Dates	Nov. 1997 – July 2003
Title of qualification awarded	Doctoral, Ph.D.
Principal subjects/occupational skills covered	Probabilistic and Deterministic Seismic hazard of Romania, Seismic sources affecting Romania, Seismic response, Dynamic characterization of soils, Geophysical exploration (downhole, microtremor measurements).
Name and type of organisation providing education and training	Technical University of Civil Engineering, Bucharest
Dates	Sept. 1998 – July 1999
Title of qualification awarded	Certificate of graduation
Principal subjects/occupational skills covered	Civil engineering, Seismic hazard, advanced structural technologies Soil amplification factors
Name and type of organisation providing education and training	International Institute of Seismology and Earthquake Engineering, Tsukuba , Japan
Dates	Oct. 1996 – Sept.1997
Title of qualification awarded	Master degree
Principal subjects/occupational skills covered	Geotechnical Engineering - " Methods of Systematization Geotechnical Results Tests"
Name and type of organisation providing education and training	Technical University of Civil Engineering, Bucharest
Dates	Feb. 1997 – July 1997
Title of qualification awarded	Certificate of practice
Principal subjects/occupational skills covered	Geotechnical Laboratory, Performed Static and Dynamic Triaxial test
Name and type of organisation providing education and training	CEDEX, Madrid, Ministerio de Fomento de Espana
Dates	Sept. 1991 – July1996
Title of qualification awarded	B.A. in Civil Engineering
Principal subjects/occupational skills covered	Civil engineering – Thesis of "Guide for Design of Reinforced Concrete Buildings"
Name and type of organisation providing education and training	Technical University of Civil Engineering, Bucharest

Personal skills and competences

MOTHER TONGUE ROMANIAN

Other language(s)

Self-assessment

European level ⁽¹⁾

Spanish

English

French

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C1 Proficiency user	C2 Proficiency user	C2 Proficiency user	C1 Proficiency user	B2 Independent user
C1 Proficiency user	C1 Proficiency user	C1 Proficiency user	C1 Proficiency user	C1 Proficiency user
B1 Independent user	B2 Independent user	B1 Independent user	A2 Basic user	A2 Basic user

⁽¹⁾ Common European Framework of Reference (CEF) level

Social skills and competences

- Team work: I have worked in several types of teams, mostly research and development teams.
 - Administrative skills: I worked as head of laboratory of 5-10 people in the last 10years.
 - Intercultural skills: I am experienced at working in a European dimension such as being a member of an international research team for at least 52 months in the last 15 years.

Organisational skills and competences

I was:
 Chairmen Session – 27 September 2012, 15th World Conference of earthquake engineering, Lisbon
 Chairmen Session – 23 June 2009 Prohitech Conference, Roma Protection of Historical Buildings, PROHITECH 09, 2009
 Member of Scientific Committee of International Symposium on Seismic Risk Reduction The JICA Technical Cooperation Project in Romania, April 2007
 Member of Organizing Committee - International Symposium on Strong Vrancea Earthquakes and Risk Mitigation, October 4-6, 2007 Bucharest, Romania.
 Member of Organizing Committee for International Conference Earthquake Loss Estimation and Risk Reduction October 24-26, 2002 Bucharest, Romania.
 Member of Local Organizing Committee for JICA International Seminar: Earthquake Hazard and Countermeasures for Existing Fragile Buildings, Nov. 2000

Technical skills and competences

Competence in Computer networking under MS Windows.

Computer skills and competences

High Competent with MS Windows, MS Office; Corel; GIS (ESRI).

Artistic skills and competences

Other skills and competences

Hobbies: travel, reading, basketball.

Driving licence

Driving license category B from 1992.

Additional information

PhD Diploma Thesis :
 " Seismic Zonation of Romania considering the soil condition and seismic sources"
 AGIR Prix for: Aldea, A., Arion, C., Ciutina, A., Cornea, T., Dinu, F., Fulop, L., Grecea, D., Stratan, A., Vacareanu, R. – Coordonatori: Dubina, D., Lungu, D. 2003. "Constructii amplasate in zone cu miscari seismice puternice", Editura Orizonturi Universitare, Timisoara
 Assessor of technical proposals and research projects
 92 papers published in English and Romanian language in civil engineering.

Annexes

1. Diploma Civil engineering, Technical University of Civil Engineering, Bucharest, 1996.
 2. Diploma of PhD in Civil Engineering; Technical University of Civil Engineering, Bucharest, 2003.
 3. List of papers