



Curriculum vitae Europass

PERSONAL INFORMATION

Name **CRISTIAN VASILE ARION**

E-mail **arion@utcb.ro**

Date of birth **11, 03, 1973**

WORK EXPERIENCE

Dates **OCT. 1997 – PRESENT**

Occupation or position held **Civil Engineer, Reinforced Concrete Department**

Main activities and responsibilities

- 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, ground and underground.
- Consultant to private companies: Saint Gobain, Paul C. Rizoo 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 – 2007.

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 - PRESENT**

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.

Name and address of employer

I was responsible with structural design and computer modeling of the structures.

Type of business or sector

MIRO Grup SRL.

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
Title of qualification awarded
Principal subjects/occupational skills covered

Name and type of organisation providing education and training

Dates
Title of qualification awarded
Principal subjects/occupational skills covered

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Name and type of organisation providing education and training

Dates
Title of qualification awarded
Principal subjects/occupational skills covered

Name and type of organisation providing education and training

Personal skills and competences

MOTHER TONGUE

Other language(s)
Self-assessment
European level ^(*)

Spanish

English

French

Jan. 2004 – June 2004

Certificate of graduation

Soil tests and investigations (Laboratory and Field experiments)

Building Research Institute, Tsukuba , Japan (Ministry of Construction Land and Infrastructure)
Tokyo University (Towhata lab); Waseda University (Hamada lab)

Nov. 1997 – July 2003

Doctoral, Ph.D.

Probabilistic and Deterministic Seismic hazard of Romania, Seismic sources affecting Romania, Seismic response, Dynamic characterization of soils, Geophysical exploration (downhole, microtremor measurements).

Technical University of Civil Engineering, Bucharest

Sept. 1998 – July 1999

Certificate of graduation

Civil engineering, Seismic hazard, advanced structural technologies

Soil amplification factors

International Institute of Seismology and Earthquake Engineering, Tsukuba , Japan

Oct. 1996 – Sept.1997

Master degree

Geotechnical Engineering - " Methods of Systematization Geotechnical Results Tests"

Technical University of Civil Engineering, Bucharest

Feb. 1997 – July 1997

Certificate of practice

Geotechnical Laboratory, Performed Static and Dynamic Triaxial test

CEDEX, Madrid, Ministerio de Fomento de Espana

Sept. 1991 – July1996

B.A. in Civil Engineering

Civil engineering – Thesis of "Guide for Design of Reinforced Concrete Buildings"

Technical University of Civil Engineering, Bucharest

ROMANIAN

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
2 Proficiency user	2 Proficiency user	2 Proficiency user	2 Proficiency user	3 Independent use
2 Proficiency user	2 Proficiency user	2 Proficiency user	2 Proficiency user	2 Proficiency user
3 Independent use	3 Independent use	3 Independent use	4 Basic user	4 Basic user

^(*) Common European Framework of Reference (CEF) level