



Europass Curriculum Vitae



Personal information

Surname(s) / First name(s) **Raul Dan ZAHARIA**
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E-mail raul.zaharia@ct.upt.ro
Nationality Romanian
Date of birth 16.01.1970
Gender Male

Occupational field **Academic**

Work experience

Graduated as Civil Engineer in 1993 at the Politehnica university of Timisoara
The diploma work was realised within a TEMPUS JEP4502 mobility, for a period of 3 months at Ecole Normale Superieure din Cachan, France
Assistant Professor 1993-2001, Department of Steel Structures and Structural Mechanics – CMMC, The Politehnica University of Timisoara
Lecturer 2001-2006, Department of Steel Structures and Structural Mechanics – CMMC, The Politehnica University of Timisoara
Dates 2006 – present
Occupation or position held Associate Professor at the Department of Steel Structures and Structural Mechanics - CMMC
Vice-Dean of the Faculty of Civil Engineering since 2008
Main activities and responsibilities Teaching and research: Design assisted by testing, Fire design, Structural mechanics; Steel and Composite Structures; Thin-walled cold-formed steel structures;
Name and address of employer The "Politehnica" University of Timisoara, Pta. Victoriei, 2, Timisoara, Romania
Civil Engineering Faculty
Department of Steel Structures and Structural Mechanics; Str. Ioan Curea, No. 1, 300224, Timisoara
Type of business or sector Higher Education

Education and training

Dates 1994-2000
Title of qualification awarded PhD, Civil Engineering

Principal subjects/occupational skills covered	Thesis title: <i>Safety of cold-formed steel structures</i> Numerical, experimental and fundamental research that contributes to the structural assessment of cold-formed steel trusses
Name and type of organisation providing education and training	The Politehnica University of Timisoara
Level in national or international classification	ISCED 6
Dates	15.02-15.05.1994
Title of qualification awarded	Training within TEMPUS JEP 4502/ Stagiul de specializare in cadrul programului TEMPUS JEP 4502
Principal subjects/occupational skills covered	Training on the new european unified standards for steel structures - Eurocodes
Name and type of organisation providing education and training	Centre Technique Industriel de la Construction Métallique - CTICM, Paris, Franta
Level in national or international classification	ISCED 6
Dates	1.02-1.08.1996
Title of qualification awarded	Doctoral grant/ Bursa de doctorat TEMPUS - CESNET
Principal subjects/occupational skills covered	Advanced finite element analysis of cold-formed steel elements
Name and type of organisation providing education and training	City University, London, UK
Level in national or international classification	ISCED 6
Dates	1.04-1.07.1997
Title of qualification awarded	Training within TEMPUS 011297
Principal subjects/occupational skills covered	Training in experimental analysis
Name and type of organisation providing education and training	Université de Liège, Belgium
Level in national or international classification	ISCED 6
Dates	1.04-1.05.1999
Title of qualification awarded	Training within TEMPUS 011297
Principal subjects/occupational skills covered	Training in experimental analysis
Name and type of organisation providing education and training	Universita degli Studi di Trento, Trento, Italy
Level in national or international classification	ISCED 6
Dates	April 2000 – April 2001
Title of qualification awarded	SSTC Research Grant awarded by the Services of the Prime Minister of Belgium for Stientific, Technical and Cultural Affairs
Principal subjects/occupational skills covered	Research stage in the field of fire analysis of civil engineering structures
Name and type of organisation providing education and training	Université de Liège, Belgium
Level in national or international classification	ISCED 6
Dates	February 2003 – February 2005
Title of qualification awarded	Post-doctoral research grant awarded by the European Commission

Principal subjects/occupational skills covered

Research stage in the field of pseudo-dynamic experimental analysis

Name and type of organisation providing education and training

European Commission, European Laboratory for Structural Assessment, Joint Research Centre, Ispra, Italy

Level in national or international classification

ISCED 6

Personal skills and competences

Mother tongue(s)

Romanian

Other language(s)

Self-assessment

European level (*)

English

French

Italian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user

(*) Common European Framework of Reference for Languages

Social skills and competences

Team spirit, good communication, coordination skills and team worker. I have worked in different national and international research groups in the field of civil engineering

Organisational skills and competences

1. Coordinator / member of the managerial or research team in several national and international research projects;
2. Vice-Dean of the Faculty of Civil Engineering
3. Member of Management Committee and Co-Chairman of COST Action IFER "Integrated Fire Engineering and Response
4. Organisation/ member of the Scientific Committee for several international and national conferences or seminars, connected to the area of interest. Relevant selection:
 - Member of Scientific Committee for the International Conference "Applications of Structural Fire Engineering", which traditionally is held in Prague, Czech Republic (editions 2009, 2011, 2013)
 - Chairman at the International Conference "Applications of Structural Fire Engineering", Prague, Czech Republic, 2011
 - Member of Scientific Committee for the International Conference "Structures on Fire" (2012'th edition, held at Zurich, Zwisland).
 - -Organisation of the Seminar „Calculul structurilor pentru constructii la actiunea focului/ Design of civil engineering structures for fire action", Timisoara, december 2008;
 - - Organisation of the Seminar „Evaluarea rezistentei la foc a planseelor compuse protejate parțial/ Fire resistance of partially protected composite floors" Timisoara, september 2011;
 - - Organisation of the Seminar „Efectul de membrana in evaluarea rezistentei la foc a planseelor compuse otel-beton, realizate din grinzi cu inima plina sau ajurate/ Membrane effect in the evaluation of fire resistance of composite floors with solid and cellular beams", Timisoara, december 2012.

Technical skills and competences

- Technical skills in the field of construction developed by contact with practice and experience in the field of design of steel structures.
- Publications:
 - scientific articles: 7 in ISI international journals, 66 international conferences (+ other national conferences and journals);
 - 8 books (2 international)
- Project supervisor;

Reviewer in ISI journals:

- Thin-Walled Structures – 2012 (www.elseviere.com)

Member in 3 PhD Juries: Technical University "Gheorghe Asachi" of Iasi (1), The Politehnica University of Timisoara (2)

Computer skills and competences

Good computer skills as a result of initial training and daily activity. Use of computer codes built for structural modelling and design(CAD / FEM), office activities and communications: AXIS VM, SAFIR, ANSYS, MATHCAD

Additional information

Affiliation to professional and scientific organizations:

- AICPS (Asociatia Inginerilor Constructori Proiectanti de Structuri/ Structural Engineers Association from Romania)
- ARISI (Asociatia Romana a Inginerilor pentru Securitate la Incendiu/ Romanian Association of Engineers for Fire Safety) – Founder member and President of the Timis Region branch
- Technical Committee 3 "Fire Design" of ECCS (European Convention for Constructional Steelwork);
- European Committee for Standardization - Technical Committee CEN/TC 250/SC 01/WG 04 "Actions on structures exposed to fire".

Research grants (relevant selection):

Director

1. "Dissemination of structural fire engineering knowledge throughout Europe DIFISEK+", European Commission - RFCS Contract No RFCS-CT-2007-00030, 2007-2008; Funding for the Politehnica University of Timisoara: 13.921 Eur
2. "Membrane action in fire design of composite slab with solid and cellular steel beams - MACS+" European Commission - RFCS Contract No RFS2-CT-2011-00025, 2011-2012; Funding for the Politehnica University of Timisoara: 10.189 Eur
3. "Temperature assessment of a vertical steel member subjected to localised fire – LOCAFI" European Commission - RFCS Contract No RFSR-CT-2012-00023, 2012-2015. Funding for the Politehnica University of Timisoara: 28.105 Eur
4. "Structural assessment laboratory for large scale tests/ Dezvoltare laborator pentru incercari la scara mare – INSTRUCT" - PN II Modul I Capacitati, 90 CP/ II 14.09.2007, 2007-2010. Funding for the Politehnica University of Timisoara: 1.302.518 RON

Collaborator:

5. RFS-P2-06065: STEELRETRO Steel solutions for seismic retrofit and upgrade of existing constructions. Period: 2008-2010. Beneficiary: RFCS - Research Fund for Coil and Steel, EU.
6. " STOPRISC - Sisteme constructive si tehnologii avansate pentru structuri din oteluri cu performante ridicate destinate cladirilor amplasate in zone cu risc seismic - Structural systems and advanced technologies for structures made by high strength steel in strong seismic areas - STOPRISC", CEEEX MATNANTECH No 29/2005, 3 partners, coordinated by the Politehnica University in Timisoara (member of of both managerial and research teams), 2005-2008;
7. "Centre for Advanced Studies and Research in the Engineering of Materials and Structures/ Centrul de studii avansate si cercetare in ingineria materialelor si structurilor - CESCIMS" within the CNCSIS grant "Platforme/ laboratoare de formare si cercetare interdisciplinara" No CNCSIS 42/2006, (member of the managerial team), 2006-2008;
8. 302/21.11.2007 Date Naționale. Proiectarea structurilor compozite otel-beton –Proiectarea la foc. Anexa nationala de aplicarea a EN 1991-1-2. Ministerul dezvoltării regionale și turismului – MDRT.
9. 303/21.11.2007 Date Naționale. Proiectarea structurilor din aluminiu –Proiectarea la foc. Anexa nationala de aplicarea a EN 1999-1-2. Ministerul dezvoltării regionale și turismului – MDRT.
10. 277/12.02.2007 Date Naționale. Proiectarea structurilor din otel –Proiectarea la foc. Anexa nationala de aplicarea a EN 1993-1-2. Ministerul dezvoltării regionale și turismului – MDRT.
11. 424/08.12.2009 (BC123/2009). Verificarea la stabilitate a elementelor structurale din oțel în conformitate cu SR EN 1993-1-1. Recomandări de calcul, comentarii și exemple de aplicare. Ministerul dezvoltării regionale și turismului – MDRT.

Assoc. Prof. Dr. Ing. Raul Dan ZAHARIA