

## Curriculum Vitae

### Călin Grigore-Radu MIRCEA

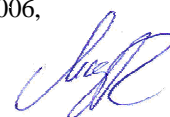
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#### EDUCATION

1997                      Technical University of Cluj-Napoca  
PhD, Thesis: "Large Span Roof Structures of Prestressed Concrete"  
1981-1989              Technical University of Cluj-Napoca  
Civil Engineering Faculty, studies extended on five years  
Final mark at graduation 9.84 (on a scale from 1 to 10)  
Project for the diploma examination: Prestressed Concrete Structure for an Olympic Stadium  
Mark 10 (on a scale from 1 to 10)  
1979-1983              High School "Dragoș-Vodă" Sighetu-Marmatiei, section: mathematics and physics  
Baccalaureate: final mark 9.83 (on a scale from 1 to 10)

#### WORK EXPERIENCE

2004                      Professor, Faculty of Civil Engineering, Technical University of Cluj-Napoca,  
PhD advisor since 2011  
Department of Structures  
2002    2009              Director, National Institute for Research & Development in Construction  
and Economy of Construction (INCERC) Cluj-Napoca Branch  
2000    2004              Reader, Faculty of Civil Engineering, Technical University of Cluj-Napoca,  
Chair of Reinforced Concrete Structures and Metallic Structures  
1998-2000              Lecturer, Faculty of Civil Engineering, Technical University of Cluj-Napoca,  
Chair of Reinforced Concrete Structures and Metallic Structures  
1993-1998              Assistant, Faculty of Civil Engineering, Technical University of Cluj-Napoca,  
Chair of Reinforced Concrete Structures and Metallic Structures  
1991-1993              Preparatory assistant, Faculty of Civil Engineering, Technical University of Cluj-Napoca,  
Chair of Reinforced Concrete Structures and Metallic Structures  
1989-1991              Site manager, IACM Sfântu-Gheorghe (housing and industrial buildings)  
1990-2013              **Training activity:** courses of *Reinforced Concrete and Prestressed Concrete Structures, Thin Reinforced Concrete Shells, Rehabilitation of Structures, Reinforced Concrete and Prestressed Concrete, Finite Element Method*, for bachelor degree, master studies and doctoral school;  
**Publishing:** *single author and first author of 2 books (one published abroad), co-author of 3 manuals, first author of three technical regulations.*  
*Single author of 17 papers, first author of 28 papers and co-author of 25 papers.*  
**Editorial and reviewing activity:** editor at IASS Symposium Bucharest 2005, reviewer at IASS Symposiums Beijing 2006 and Wroclaw 2013, member in the IASS - Hangai Prize board, editor and reviewer of the Elsevier Journal *Case Studies in Construction Materials*.  
**Research activity:** *participant* at 17 research contracts and grants, from which at 8 as *project manager or contract responsible* (beneficiaries Minister of Research and Education and Minister of Public Works), *contract responsible* for the elaboration of 3 technical regulations (beneficiary Minister of Public Works) and *participant* in 5 European research and cooperation projects. *Contract responsible and/or collaborator* at more than 50 contracts with economical agents for structural design, forensic investigations, monitoring and inspections, technical agreement and conformity certification.  
**Scientific presence:** invited for oral and written presentations at numerous international symposiums and seminars (Constructions 2000 Cluj-Napoca 1992, EU Leonardo da Vinci – Brussels 1998, FIB Symposium - Prague 1999 and Budapest 2005, Concrete Floor and Slabs Dundee 2002, IASS Symposium Montpellier 2004, Bucharest 2005, Beijing 2006, Acapulco 2008, Valencia 2009, Shanghai 2010, London 2011, Seol 2012 and Wroclaw 2013, LSCE-IASS Symposium Warsaw 2005 and 2009, Gyor conference 2007, ACI Convention Puerto Rico – Fajardo 2007), international conferences (IABSE International Conference - Lisbon 1997, Rehabilitation of Structures - Campobello di Mazara 1999, Bearing Historical Structures Cluj-Napoca 2002, Constructions 2003 - Cluj-Napoca, Concrete Repairs - Saint Malo 2003 and 2006,



Padua 2009 and Dresden 2011, Dubrovnik 2004 and 2006), international congresses (Challenges of Concrete Construction – Dundee 2002, Ultimate Concrete Opportunities – Dundee 2005) and national events, sessions chairman (Ultimate Concrete Opportunities – Dundee 2005, IASS Symposium - Bucharest 2005, Valencia 2009, Shanghai 2010 and Wroclaw 2013), invited lecture at one scientific event (RILEM – Paris 2012).

**Prizes:** second prize of the national authority for research in 2008, gold medal at EUROINVENTICA Iasi-Romania 2013, bronze medal INFOINVENT Chisinau-Moldavia 2013.

**Patents:** Self-compacting concrete (C 50/60) with no mineral admixtures, for the prefabrication industry (ISI patent)

**Membership:** member in the organizing or technical committees of 7 international events (Bearing Historical Structures Cluj-Napoca 2002, Constructions 2003 - Cluj-Napoca, International IASS Symposium on Shell and Spatial Structures - Bucharest 2005, Constructions 2008 Cluj-Napoca, Concrete Solutions 3<sup>rd</sup> International Conference on Concrete Repair 2009, Padua, Italy, International IASS Symposium on Shell and Spatial Structures - Wroclaw 2013, Concrete Solutions 4<sup>th</sup> International Conference on Concrete Repair 2014, Belfast, Northern Ireland).

Member of "American Concrete Institute" (ACI), "International Association for Spatial Structures (IASS) and the "Romanian Association of the Structural Designers Engineers" (AICPS).

### ***PROFESSIONAL INTERESTS***

Reinforced and prestressed concrete structures, Finite Element Method, Numerical Methods, Composite structures, Rehabilitation of structures, Shells and spatial structures, New Technologies, Environment Protection.

### ***OTHER SKILLS***

Good conversational and written English, good conversational French  
Certified Design Verifier and Energetical Auditor  
Knowledge of C++, Delphi, Fortran, Multimedia applications, CAD-CAM applications etc.  
European experience: TEMPUS JEP 4502/94, TEMPUS-Phare CME 01198 and TEMPUS JEP 011297/97  
Certificate "Quality Management Systems".

