



Curriculum vitae Europass



Personal information

First name(s) / Surname(s) **Sorin DAN**
Address(es) Bld. Victor Babes, No. 28, 300594, Timisoara, Romania
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E-mail sorin.dan@ct.upt.ro
Nationality Romanian
Date of birth January, 7, 1966
Gender Male

Occupational field **Academic**

Work experience

Dates	2015 - present
Occupation or position held	Associate Professor Dr.
Main activities and responsibilities	Teaching and research: reinforced and prestressed concrete structures, redesign of existing structures, structural rehabilitation of concrete structures
Name and address of employer	"Politehnica" University of Timisoara, Piata Victoriei, No. 2, Timisoara, Romania
Type of business or sector	Academic
Dates	2001 - 2015
Occupation or position held	Lecturer Dr.
Main activities and responsibilities	Teaching and research: reinforced and prestressed concrete structures, redesign of existing structures, structural rehabilitation of concrete structures
Name and address of employer	"Politehnica" University of Timisoara, Piata Victoriei, No. 2, Timisoara, Romania
Type of business or sector	Academic
Dates	2010 - 2012
Occupation or position held	Research Engineer
Main activities and responsibilities	Research and teaching: reinforced and prestressed concrete structures
Name and address of employer	University of Liege, Place du 20-Aout, No. 7, 4000, Liege, Belgium
Type of business or sector	Academic
Dates	1990 - 2001
Occupation or position held	Assistant Professor
Main activities and responsibilities	Teaching and research: reinforced and prestressed concrete structures, redesign of existing structures, structural rehabilitation of concrete structures
Name and address of employer	"Politehnica" University of Timisoara, Piata Victoriei, No. 2, Timisoara, Romania
Type of business or sector	Academic

Education and training

Dates	1990 - 2000
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	Civil Engineering
Name and type of organisation providing education and training	“Politehnica” University of Timisoara, Faculty of Civil Engineering
Level in national or international classification	ISCED 6
Dates	1985 - 1990
Title of qualification awarded	Diploma in Civil Engineering (M.Sc. C.Eng.)
Principal subjects/occupational skills covered	Civil Engineering
Name and type of organisation	The Polytechnic Institute of Timisoara, Faculty of Civil Engineering
Level in national or international classification	ISCED 5

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment

European level ()*

English

French

German

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 Good communication, coordination skills and team worker

Organisational skills and competences

- Coordinator of several research programs
- Member in IABSE "International Association for Bridge and Structural Engineering" – member of Working Commission 4 "Operation, Maintenance and Repair of Structures"
- Organization of several international and national conferences and symposiums

Technical skills and competences Technical skills in the field of construction design. Competences in several fields: design of concrete structures, rehabilitation and re-design of existing structures

Computer skills and competences Competent with: Microsoft Office Package; SAP2000 software – FEM analysis used in civil engineering; AutoCAD software for graphic design; FORTRAN programming language

Other skills and competences Hobbies: sports (tennis, swimming, running, football), music

Additional information

Professional affiliations:

- IABSE "International Association for Bridge and Structural Engineering" – member of Working Commission 4 "Operation, Maintenance and Repair of Structures"
- AICPS "Romanian Association of Civil Engineers Structural Designers"
- WSEAS "World Scientific and Engineering Academy and Society"

Annexes

Publications - ISI Papers and international journals:

- S. Dan, "Energy Saving with Rehabilitation Solutions for Existing Structures" – *WSEAS International Conference "Energy Planning, Energy Saving, Environmental Education (EPESE '10) Kantaoui, Sousse, Tunisia, 2010*
- C. Bob, I. Buchman, E. Jebelean, S. Dan, C. Badea, "High Performance Materials Derived from Industrial Waste Gypsum" – *Tile and Brick International, Vol. 15, No. 6, Verlag Schmidt publication, Freiburg, 1999, 1 pg., ISSN 0938-9806*
- C. Bob, S. Dan, N. Balut, A. Gidea, "Rehabilitation of Banatul Museum, Timisoara, Romania" – *SEI Structural Engineering International, Journal of IABSE International Association for Bridge and Structural Engineering, Zurich, Vol. 11, No. 4, 2001, pg. 231-233, ISBN 978-3-85748-124-6*
- S. Dan, "Rehabilitation of an Existing Reinforced Concrete Structures under Extreme Conditions in Romania" – *Asian Center for Engineering Computations and Software ACECOMS Magazine, Bangkok, 2009, pg. 10-14*
- S. Dan, C. Bob, L. Bob, A. Gruin, C. Badea, "Modern Solutions for Strengthening of Masonry Structures" – *11th WSEAS International Conference "Sustainability in Science Engineering (SSE '09)", Timisoara, Romania, 2009, pg. 64-69, ISBN 978-960-474-080-2*
- C. Enuica, C. Bob, S. Dan, C. Badea, A. Gruin, "Solutions for Bond Improving of reinforced Columns Jacketing" – *11th WSEAS International Conference "Sustainability in Science Engineering (SSE '09)", Timisoara, Romania, 2009, pg. 58-63, ISBN 978-960-474-080-2*
- S. Dan, C. Bob, A. Gruin, "Analysis of Reinforced Concrete Existing Structures in Seismic Regions" – *WSEAS International Conference "Engineering Mechanics, Structures, Engineering Geology (EMESEG '08)", Heraklion, Greece, 2008, pg. 96-103, ISBN 978-960-6766-88-6*
- S. Dan, C. Bob, A. Gruin, C. Badea, L. Iures, "Strengthening of Reinforced Concrete Framed Structures in Seismic Zones by Using CFRP" – *WSEAS International Conference "Engineering Mechanics, Structures, Engineering Geology (EMESEG '08)", Heraklion, Greece, 2008, pg. 67-72, ISBN 978-960-6766-88-6*

Books:

- S. Dan, C. Bob, "Reinforced and Prestressed Concrete Structures" – *Ed. EUROSTAMPA, Timisoara, 2014, 242 pag., ISBN 978-606-569-896-3*
- C. Bob, S. Dan, C. Badea, A. Gruin, L. Iures, "Strengthening of the Frame Structure at the Timisoreana Brewery, Romania" – *SED Structural Engineering Documents, publication of IABSE International Association for Bridge and Structural Engineering, Zurich, Vol. 12, "Case Studies of Rehabilitation, Repair, Retrofitting, and Strengthening of Structures", 2010, Chapter 5, pag. 57-79, ISBN 978-3-85748-124-6*
- R. Zaharia, D. Dubina, D. Pinte, S. Dan, D. Duma, O. Vassart, B. Zhao, "Evaluarea rezistentei la foc a planseelor compuse protejate partial" – *Ed. Orizonturi Universitare, Timisoara, 2011, 126 pag., ISBN 978-973-638-482-0*

Research programmes – 30 (6 coordinator):

- Director of Romanian national research grants:
 - Redesign of reinforced concrete structures for rehabilitation, 2000-2001, Grant ANSTI
 - Rehabilitation of reinforced concrete structures by using composite fibres polymers, 2002-2004, Grant CNCSIS
 - Modern solutions for strengthening of concrete and masonry structures, Grant CNCSIS
- European research programmes

Research and/or design projects for industry – 44 (30 coordinator):

- Design of reinforced concrete structures, monolithic and/or precast structures: hotel, hospital, industrial, office, shopping and/or apartment buildings
- Rehabilitation by using carbon-fibre-reinforced-polymers CFRP solution of different reinforced concrete structures: industrial buildings, silos, apartment buildings, hotels, etc.
- Rehabilitation by using reinforced concrete and/or steel profiles jacketing of different structures: concrete structures, masonry structures; industrial, office and/or apartment buildings, silos, etc.