



Contacts

Department of Steel Structures and Structural Mechanics

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Degrees

- BSc Civil Engineering “Politehnica” Univ. of Timisoara, RO 2003
- MSc Rehabilitation of Buildings “Politehnica” Univ. of Timisoara, RO 2004
- PhD Civil Engineering “Politehnica” Univ. of Timisoara, RO 2009

Key Qualifications

- Associate Professor at Steel Constructions and Structural Mechanics Department from the Politehnica University (PU) Timisoara.
- President of Quality Evaluation and Assurance of PU Timișoara;
- Member of Technical Committees TC16 “Wind energy supporting structures” of the European Convention for Constructional Steelwork (ECCS);
- Member in AICPS - Romanian Association of Structural Engineers;
- Inspector for quality and management control of construction site

Erasmus+ mobility

- Academic supervisor.

Research focus

- Steel Structures
- Advanced numerical analysis of structures
- Seismic retrofitting of existing structures

References

Description	#
ISI journal	4
Non-ISI journal	6
Conferences	20
Citations	34
Book chapters	7
Books	2

Selected references (max. 10)

- Cristutiu, IM; Nunes, DL; DOGARIU, AI, Experimental study on laterally restrained steel columns with variable I cross sections, STEEL AND COMPOSITE STRUCTURES, TECHNO-PRESS, ISSN 1229-9367, 238, 14 pag., 2012, WOS:000309293500002
- DOGARIU, A; Dubina, D, Performance based seismic evaluation of a non-seismic masonry building of metal sheathed walls - Part I: PBSE and intervention strategy, PROTECTION OF HISTORICAL BUILDINGS - PROHITECH 09, VOL 1 AND 2, CRC PRESS-TAYLOR & FRANCIS GROUP, Rome, Italy, ISBN 978-0-415-55803-7, JUN 21-24, 2009, 6 pag., 1st International Conference on Protection of Historical Buildings (PROHITECH 09), 2009, WOS:000280544200155
- DOGARIU, A; Dubina, D, Performance based seismic evaluation of a non-seismic masonry building of metal sheathed walls - Part II Study case, PROTECTION OF HISTORICAL BUILDINGS - PROHITECH 09, VOL 1 AND 2, CRC PRESS-TAYLOR & FRANCIS GROUP, Rome, Italy, ISBN 978-0-415-55803-7, JUN 21-24, 2009, 6 pag., 1st International Conference on Protection of Historical Buildings (PROHITECH 09), 2009, WOS:000280544200156
- DOGARIU, A; Dubina, D; Campitiello, F; De Matteis, G, Experimentally

based calibration of a FE Model for numerical analysis of masonry shear panels strengthened by metal sheathing, PROTECTION OF HISTORICAL BUILDINGS - PROHITECH 09, VOL 1 AND 2, CRC PRESS-TAYLOR & FRANCIS GROUP, Rome, Italy, ISBN 978-0-415-55803-7, JUN 21-24, 2009, 6 pag., 1st International Conference on Protection of Historical Buildings (PROHITECH 09), 2009, WOS:000280544200175

- Nagy-Gyorgy, T; Stoian, V; Dan, D; Daescu, C; Demeter, I; Diaconu, D; DOGARIU, A, Experimental assessment on shear strengthening of clay brick masonry walls using different techniques, PROTECTION OF HISTORICAL BUILDINGS - PROHITECH 09, VOL 1 AND 2, CRC PRESS-TAYLOR & FRANCIS GROUP, Rome, Italy, ISBN 978-0-415-55803-7, JUN 21-24, 2009, 6 pag., 1st International Conference on Protection of Historical Buildings (PROHITECH 09), 2009, WOS:000280544200259
- Mircea Cristutiu, Adrian DOGARIU, Local and global stability of I steel members with tapered web via advanced nonlinear analysis, Advanced Material Research, SCOPUS, Taiyuan, Shanx, China, ISBN 978-303785720-5, ISSN 10226680, 372, 375, 2013
- Ionel Mircea Cristutiu, Adrian DOGARIU, The behaviour of beam-column elements with variable I cross sections considering lateral restraints, Civil-Comp Proceedings (Civil-Comp Press) Proceedings of the Eleventh International Conference on Computational Structures Technology, SCOPUS, Dubrovnik, Croatia, ISBN 978-1-905088-54-6, ISSN 1759-3433, 2012-09-07, PROCEEDINGS OF THE ELEVENTH INTERNATIONAL CONFERENCE ON COMPUTATIONAL STRUCTURES TECHNOLOGY, 2012
- Adrian, DOGARIU, Sorin Bordea, Dan Dubina, Behaviour model for post-tensioned bolted RC frame - Steel brace connection, Final Conference on COST Action C26: Urban Habitat Constructions under Catastrophic Events, SCOPUS, Napoli, Italy, ISBN 978-041560685-1, 2010-09-16, 829, 834, COST ACTION C26: Urban Habitat Constructions under Catastrophic Events - Proceedings of the Final Conference, COST-C26 Final Conference — Naples 16-18 September 2010
- Nicolae Muntean, Daniel Grecea, Adrian DOGARIU, Dan Dubina, Strength and ductility of bolted T-Stub macro-components under monotonic and cyclic loading, STABILITY AND DUCTILITY OF STEEL STRUCTURES, SCOPUS, Rio de Janeiro, Brazil, ISBN ISBN 978-85-285-0137-7, 2010-09-08, 223, 230, Stability and ductility of steel structures SDSS’Rio 2010
- Adrian DOGARIU, Dan Dubina, Influence of imperfections and geometrical discontinuities on the behaviour of steel towers, 4th International Conference on Structural Engineering, Mechanics and Computation, SCOPUS, Cape Town, South Africa, ISBN 978-1-138-00061-2, 2013-09-01, 433, 434, Research and Applications in Structural Engineering, Mechanics and Computation, 4th International Conference on Structural Engineering, Mechanics and Computation

Teaching experience		
Description	#	
Years of teaching	19	
PhD supervision	0	
MSc supervision	15	
Lectured subjects	3	
	□ Under-graduate teaching	Mechanics of Materials (Basics of structural design) (Steel Structures) (Statics)
	□ Post-graduate teaching	
	□ MSc	Finite Element Method – advanced topics Metallic Shell Structures (Performance based seismic assesment)
	□ PhD	---
	□ Continous Education	---

International experience
□ RFCS-CT-2007-00050 STEELRETRO / 01.07.2007-31.06.2010. "Steel solutions for seismic retrofit and upgrade of existing constructions", Financing authority: European Commission - Research Fund for Coal and

Description	#	<p>Steel. Total value: 87,600 EUR (member in the research team).</p> <ul style="list-style-type: none"> ❑ FP6 INCO-CT-2004-509119/2003 (2003-2008): "Earthquake Protection of Historical Buildings by reversible Mixed Technologies - PROHITECH". Financing authority: European Commission. Value: 182,854 EUR (member in the research team). ❑ RFS2-CT-2014-00022 STEELEARTH (2014-2015) - Steel-based applications in earthquake-prone areas. Financing authority: European Commission - Research Fund for Coal and Steel.
Research projects	14	
Mobility programmes	0	
Technical boards	0	
Conference committees	3	
Others	0	
Scholarships, internships, and trainings		<ul style="list-style-type: none"> ❑ "Training Program on Seismic Risk", organized by National Center for Seismic Risk Reduction (NCSRR) and Japan International Cooperation Agency (JICA), Bucharest, 25-27 July 2007; ❑ Short Time Scientific Mission (STSM) within the framework of COST 26 "Urban Habitat Construction Under Catastrophic Events" at "Federico II" University of Naples (Italy) supported by European science foundation, May 2007; Documentation stage at TU Muenchen (Germany) supported from "Grant D code CNCSIS 41, contract 40631/27.09.2000: Improvement of doctoral and master studies in structural engineering and technologies at Civil Engineering and Architecture Faculty from Timisoara" (World Bank project) (coord. M. Ivan), April – May 2002; ❑ "Europäische Sommerakademie ESA-2003: Advanced studies in structural engineering and CAE" financed by organizers, "Bauhaus" University Weimar (Germany), 4-16 August 2003; ❑ Short Time Scientific Mission (STSM) within the framework of COST 12 "Improving building structural quality by new technologies" at "Federico II" University of Naples (Italy) supported by European science foundation, September 2004; ❑ Erasmus – Socrates PhD scholarship at "Federico II" University of Naples (Italy), March-June 2006;
Cooperation with industry		<ul style="list-style-type: none"> ❑ RFCS projects, Design projects
Languages		<ul style="list-style-type: none"> ❑ Romanian English Fluent