Application for

Erasmus Mundus Joint Master Degrees (EMJMD) 2016

Sustainable Constructions under Natural Hazards and Catastrophic Events

SUSCOS_M



ANNEXES

CV'S OF KEY PROFESSORS



Contacts	František WALD Full Professor Department of Steel and Timber Structures, Faculty of Civil Engineering, Czech Technical University in Prague CZECH REPUBLIC Department of Steel and Timber Structures, Faculty of Civil Engineering, CZECH REPUBLIC Department of Steel and Timber Structures, Faculty of Civil Engineering, Thakurova 7, 166 29 Czech Technical University in Prague Tel: Tel: +420 224 354 757		
	Fei +420 224 354 757 Fax: +420 233 337 466 e-mail: wald@fsv.cvut.cz URL: http://people.fsv.cvut.cz/~Wald		
Degrees	Ing.Civil EngineeringCTU in Prague1977CSc.Civil EngineeringCTU in Prague1982Doc. Hab.Steel StructuresCTU in Prague1995ProfessorshipSteel StructuresCTU in Prague2004		
Key Qualifications	 Professor of Steel and Composite Structures at the Czech Technical University of Prague; Head of the Department steel and timber structures Member of Project team for EN1993-1-8. Manager of Erasmus Mundus Master ProgramSustainable Constructions under Natural Hazards and Catastrophic events – SUSCOS_M Chairman of the EU COST TU0904 Action Integrated fire engineering and response, IFER Member of technical committee TC 10 Connections of ECCS 		
Research focus	 Steel structures (connection, stability, composite action). Fire design. Aluminum structures (shear connection, novel structures). 		
Description#ISI journal10Non-ISI journal46Conferences53Citations207Book chapters25Text-Books8H index7	 Aluminum structures (shear connection, novel structures). Selected references (max. 10) Prachař, M Hricák, J Jandera, M Wald, F Zhao, B.: Experiments of Class 4 open section beams at elevated temperature. Thin-Walled Structures. 2016, vol. 98, p. 2-18. ISSN 0263-8231. Caldová, E Vymlátil, P Wald, F Kuklíková, A.: Timber Steel Fiber-Reinforced Concrete Floor Slabs in Fire: Experimental and Numerical Modeling. Journal of Structural Engineering. 2015, vol. 141, no. 9, art. no. 04014214, ISSN 0733-9445. Jána, T Wang, Y.C Wald, F Horová, K.: Temperatures and thermal boundary conditions in reverse channel connections to concrete filled steel sections during standard and natural fire tests. Fire Safety Journal. 2015, vol. 78, art. no. 2342, p. 55-70. ISSN 0379-7112. Wald, F.: Validation and Verification in Fire Design of Structural a Valuable COST Network Outcome. In Proceedings of the International Conference in Dubrovnik, 15-16 October 2015. Praha: Czech Technical University in Prague, 2015, p. 16-17. ISSN 2336-7318. ISBN 978-80-01-05204-4. Veljkovic, M Simoes da Silva, L Simoes, R Wald, F Jaspart, JP et al.: Design of Steel Buildings. [Research Report]. Luxembourg: Publications Office of the European Union, 2015. Report EUR 27346 EN. 452 p. ISSN 1831-9424. ISBN 978-92-79-49573-1. Bednář, J Wald, F.: Vodička, J Kohoutková, A.: Experiments on membrane action of composite floors with steel fibre reinforced concrete slab exposed to fire. Fire Safety Journal. 2012, vol. 54, no. 8, art. no. 13, p. 121-129. ISSN 0379-7112. Chlouba, J Wald, F.: Temperature of a Partially Embedded Connection Subjected to Fire. Fire Safety Journal. 2012, vol. 54, no. 8, art. no. 13, p. 121-129. ISSN 0379-7112. Wald, F Wang, Y.C Burgess, I.W Gillie, M.: Performance-Based Fire Engineering of Structures. 1. ed. Boca Raton: CRC Press, 2012. 369 p. ISBN 9		



		 Constructional Steel Research. 2011, vol. 67, no. 67, p. 1890-1899. ISSN 0143-974X. Wald, F Macháček, J Jandera, M Dolejš, J Sokol, Z et al.: Design of Steel Structures with Worked Examples to EN 1993-1-1 and EN 1993-1-8. 1. ed. Singapore: Research Publishing Services, 2011. 175 p. ISBN 978-981-08-9441-2. 	
Teaching experi	ence	Under-graduate teaching	Steel and Composite Structures
		Post-graduate teaching	
Description	#	MSc	Steel and Composite Structures,
Years of teaching	35		Aluminium structures, Connection
PhD supervision	13		design, Fire design
MSc supervision	69	PhD	Steel and Composite Structures
Lectured subjects	12	Continuous Education	Steel Structures, Connection design,
			Fire design, Aluminium structures
International		Responsible for 6 European research 21 national grants.	grants (in total about at 52.000 €) and
Description	#	2016 - 2019: MVČR VI20162019034, Res fire and evacuation and their pract	search and development of validated models of tical application in fire safety of buildings
Description Descareb projecte	π 27	2016 - 2018: GAČR 16-18448S. The cou	pled thermo-mechanical model to predict fire
Mability	21	resistance of steel concrete com	posite and timber structural elements in furnace
MODIIIty	0	will be developed. Coupling of fluid	d dynamics, heat transfer and mechanical model
	4	enable to determine structural beh	aviour more precisely than traditional testing.
	4	2012 2015: Posoarch Fund for Coal an	d Stool ELL RES2 CT 2013 00016 LVS3 Largo
committees	14	Valorisation on Sustainability of St	teel Structures.
Others		2011 – 2014: Research Fund for Coal an	d Steel EU, RFSR-CT-2011-00030, FIDESC4,
		2012 – 2014: Research Fund for Coal an Valorisation of knowledge for inno concrete.	d Steel EU, RFS2-CT-2012-00022, INFASO+, wative fastening solutions between steel and
		2010 - 2013: GAČR P105/10/2159, Mode concrete floors	els of membrane action of composite steel and
		2009 - 2011: Research Fund for Coal and Design of joints to composite colu	d Steel EU, RFSC-CT-2009-00021, COMPFIRE, mns for, improved fire robustness
		2009 - 2010: Grant Leonardo, FRACOF I Assessment of Partially Protected	nnovation transfer on Fire Resistance Composite Floor
		2007 - 2009: Research Fund for Coal and New market chances by standardi elements	d Steel EU, RFSC-CT-2007-00051, INFASO, ised steel joints between steel and concrete
		2007 - 2009: Research Fund for Coal and	d Steel EU, RFSC-CT-2009-0008,
		COMPRIFIRE, Design of joints to	composite columns for improved fire robustness
		1	
Cooperation with industry	h	 Various contracts concerning deservation of resistance, FEA engineers. 	sign projects, expert opinion, experimental simulation and courses for practicing
Patents		2 verified civil engineering technol	logies; 6 utility models
Prizes		 Medal of Ministry of Interior for Me Memorial medal of Ministry of Interior 	erit for Safety, 2008 erior for Safety, 2010
Languages		🗅 English	Fluent
		🗆 German	Reading
		🔲 🔲 Russian	Understanding
			3



	Dan DUBINA Full Professor Department of Steel Structures and Structural Mechanics, Faculty of Civil Engineering The "Politehnica" University ofTimisoara ROMANIA	
Contacts	Department of Steel Structures and Structural Mechanics, Faculty of Civil Engineering ,The "Politehnica" University 1, Ioan Curea , 3224, Timisoara, Romania Tel.: +40.256.403920 Fax: +40.256.403917, 403932 e-mail: dan.dubina@ct.upt.ro URL: www.upt.ro	
Degrees	 MSc (5years) PhD Civil Engineering Technical Sciences (Steel structures) The Polytechnic Institute, Timisoara The Polytechnic Institute, Timisoara The Polytechnic Institute, Timisoara 	
Key Qualifications	 Professor of Steel of Structures and Structural Engineering at the "Politehnica" University of Timisoara; Head of Department of Steel Structures and Structural Mechanics, at Faculty of Civil Engineering of PU Timisoara. Member in the Academic Board (University Senate) of "Politehnica" University of Timiisoara Director of Research Centre for Mechanics of Materials and Structural Reliability Full Member of Romanian Academy Member COSCO (Committee dor Coal and Steel- RFCS) for Romania Member of the Executive Board of ECCS, former President of ECCS(2005/2006) Head of Civil Engineering Commission of National Committee for Academic Titles and Diplomas (CNATDCU), Romanian Ministry of Education (2011-2012), Member of this Commission since 2013 President of APCMR – Romanian Association of Constructional Steelworks Steel and Composite; Vice-President of National Committee for Seismic Engineering and Technical Committee of Structures, CS 5, Ministry of Regional Development and Administrationof Patrimony (MDRAP) Member of Technical Commitee CT 343 (RO) for Structural Reliability an Structural Eurocodes of Romanian Association for Standardization (ASRO, coordinator for Eurocodes 3 and 9. Member of WGs 1.1, 1.3, 1.8, 1.10/EN 1993/CEN250/SC3 and WG2/EN1998-1, CEN250/SC8 Code Drafter (Coordinator and/or author for Standards and Technical Regulations in the Field of Steel Structures , Seismic Engineering, fire design. Project Coordinator/Country Coordinator of R&D projects(Phare, EUREKA, FP4, 6, 7, RECS, involving partners from European Countries 	



 connections/rehabilitation/ Cold formed steel structures /Stability/Advanced design/ Robustness of structures under extreme actions

CI	CICI		3	
De	scrin	tion		

Doforoncos

Description	#
ISI journal	57
Non-ISI journal	103
Conferences	388
Citations	>1200
Book chapters	9
Books	45
H-index =18	

Selected references

- Dubina D., Ungureanu V., Landolfo R. : Design of Cold-formed Steel Structures. Eurocode 3: Design of Steel Structures. Part 1-3 Design of cold-formed Steel Structures. ISBN-13: 978-3-433-02979-4, Wiley-Blackwell, Ernst & Sohn, A Wiley Company, Berlin, 2012
 - I .Vayas, *D. Dubina*: Cold-formed Steel Design (in Greek), Klidarithmos, Atena, 2004,
- J. Rondal, *D. Dubina* (editori si coatori) : Light Gauge Metal structures : Recent Advances, International Centre for Mechanical Sciences (CISM), Udine - Courses and Lectures No. 455, , Springer Wien New York, 2005,
- D. Dubina, Ungureanu v. (Eds): Steel, a New and Traditional Material for Building, Taylor&Francis/Balkema, London, 2006,
- 5. Dubina, M. Ivanyi (Ed): Stability and Ductility of Steel Structures, Elsevier Science Ltd., Oxford, 1999,
- D. Dubina, A. Ciutina, A. Stratan (2001) Cyclic Tests of Double-Sided Beam-to-Column Joints/ Journal of Structural Engineering/ vol. 127, nr. 2, pag. 129-136, ASCE- American Society of Civil Engineers.
- D. Dubina, A. Stratan, (2002): Behaviour of welded connections of moment-resisting frames beam-to-column joints, Engineering Structures, Vol. 24, No. 11(2002), 1431-1440, Elsevier Science,
- D. Dubina (2008): Structural analysis and design assisted by testing of cold-formed steel structures , Journal of Thin Walled Structures , Elsevier , Vol. 46, Nos 7-9, July-September, 741-764.
- D.Dubina (2008): Behaviour and performance of cold-formed steel framed houses under seismic action, Journal of Constructional Steel Research, Elsevier, Volume 64, Issues 7-8, July-August 2008, Pages 896-913
- D. Dubina, A. Stratan, F. Dinu (2008) : Dual high-strength steel eccentrically braced frames with removable links, Earthquake Engineering and Structural Dynamics, John Wiley&Sons, Vol. 37, 1703-1720.
- D. Dubina, A. Stratan, F. Dinu (2009), Design and Performance based Evaluation of Tower Centre International building in Bucharest (part I), Steel construction Vol 2, 4/2009, Ernst&Sohn, A wiley company, ISSN 1867-0250
- D. Dubina, A. Stratan, F. Dinu (2009), Design and Performance Based Evaluation of Tower Centre International building in Bucharest, Part II: Performance-based Seismic Evaluation and Robustness, Steel construction Vol 3, 1/2010, Ernst&Sohn, A Wiley Company
- Dubina Dan, Dinu Florea, Experimental evaluation of dual frame structures with thin-walled, steel panels, Thin-walled structures, vol. 78, Pages 57–69, 2014
- Dinu Florea, Dubina Dan, Ioan Marginean, Improving the structural robustness of multi- story steel-frame buildings, Struct. and



	Infrastruct. Engineering, DOI:10.1080/15732479.2014.927509,2014	
ence	Under-graduate teaching (C. Ing)	C. Ing : Structural Mechanics : Theory of Elasticity, Statics, Stability, Dynamics
#	Post-graduate teaching	FEM Analysis, Steel Structures
From		
1978		MSc & PhD: Ligth Gauge Metal
20+5		Structures, Structural Glass, Multi-story
6		Buildings in Seismic Areas, High
>30		Performance Steel Structures
#	Research and academic projects a Coordinator of 5 Phare TEMPUS I FP4-INCO-COPERNICUS "RECOS", PHJ WIVISS", World bank funded projects (2- C12, C 25, C26, TUD 0904 (MC Member MPC-1 :FP 6 "PROHITECH"; EUREKA-S RSFR 2009-0024 HSS-SERF, FP7 SER Lecturer CISM Udine 1996-Advanced Courses on Cour- lecturer); 2002- Advanced Training recent research advances. (course PhD Promoting 20 PhDs confirmed, 5 in prog PostDoc Superviser 6 finished Editorial boards of journals 1. Steel and Composite Structur TechoPress, from 2001 (ISI) 2. Advanced Steel Construction 2005 ISI) 3. Thin walled Structures, Elsew 4 Steel Construction- Design at Wiley) from 2009 5 Engineering Structures and T 6, Proceedings of Romanian Advanced	and programs Projects I 1991-1999); ARE-Bilateral IN/PH/002, LEONARDO " - 1998-2001); COST C1(MC Member); COST er), LEONARDO CESTRUCO"; FP6-INCO- EFIE, RFCS Projects (6)- coordinator for IES " DUAREM" pled instabilities in Metal Structures (ing on Light gauge metal structures: se Co-Coordinator) gress ures , an International Journal, ons, an International Journal, from vier, from 2009 (ISI) nd Research, Ernst&Sohn (John Technologies , from 2009 cademy , Series A (From 2010)
h	 Member of International Scientific MET-NET, research contracts ar LINDAB, DEXION HI-LO etc. RFCS Projects, National PCCA coll 	e network of ARCELOR -MITTAL , and nd Technical Assistance for RUUKKI , laborative Grants
	 7 Patents(Romania) s in the Field of 	of Scaffolding and reticulated structures
	Doctor Honoris Causa of Technica , Mai Honorary professor of University of	al University of Cluj-Napoca, Romania rch 2005 of Pecs (HU), since 2012
	ence # From 1978 20+5 6 >30 # #	Infrastruct. Engineering, DOI:1 ence Under-graduate teaching (C. Ing) # From 1978 20+5 6 >30 # # # WIVISS", World bank funded projects (2 C12, C 25, C26, TUD 0904 (MC Member MPC-1:FP 6 "PROHITECH"; EUREKA-S RSFR 2009-0024 HSS-SERF, FP7 SER Lecturer CISM Udine 1996-Advanced Courses on Coullecturer); 2002- Advanced Training recent research advances. (courses PhD Promoting 20 PhDs confirmed, 5 in proge PostDoc Superviser 6 finished Editorial boards of journals 1. Steel and Composite Structur TechoPress, from 2001 (1SI) 2. Advanced Steel Construction 2005 ISI) 3.Thin walled Structures, Else 4 Steel Construction- Design a Wiley) from 2009 5 Engineering Structures and T 6, Proceedings of Romanian A INDAB, DEXION HI-LO etc. RFCS Projects, National PCCA coll INDAB, DEXION HI-LO etc. RFCS Projects, National PCCA coll INDAB, DEXION HI-LO etc. RFCS Projects, National PCCA coll



	Romanian Academy Award in 1992), for a series of 16 reports on Coupled instab European Steel Design Awa	Anghel Saligny" for 1990 (awarded published papers and scientific lity, and 2014 for the book <i>Design of Cold- formed Steel Structures. Eurocode 3:</i> <i>Design of Steel Structures. Part 1-3</i> <i>Design of cold-formed Steel Structures.</i> ards, ECCS 2003, and 2007
	"Radu Agent " Award, As Opera Omnia Award, As	sociation of Structural Design Engineers, AICPS, 2006, for contributions to develpment of Higher Education and Research in Civil Engineering in Romania sociation of Structural Design Engineers, AICPS, 2005
	Structural Design Awards, A Best Conference Paper at 4	AICPS, 2009, 2005, 2004 Ath International Conference on Thin-Walled Structures, ICTWS, 2004, Loughborough for the paper "Monotonic and Cyclic Performance of Joints of Cold-formed Steel Portal Frames" (Dubina et al.)
	Prize of Ecellence in Resea Award of Romanian Gene	rch, The Politehnica University of Timisoara, 2004 ral Association of Ingineers, AGIR, in 2003, for the book "Buidings located in high
	"Traian Vuia" Award for yo	risks seimic zones (in Romanian, see the list of publications) ug researches, 1985, Polytehnic Institute of Timisoara
	"Outstanding Assistant Pro	fessor" Award, 1984, Ministry of Education, Romania
Languages	 English French 	Fluent

Timisoara, December 2015



	Raffaele Landolfo Full Professor Department of Structures for Engineering and Architecture of the University of Naples Federico II ITALY
Contacts	Department of Structures for Engineering and Architecture University of Naples "Federico II" via Forno Vecchio, 36. 80134 Naples (Italy) Tel.: +39.081.2538052 Fax: +39.0812538989 e-mail: landolfo@unina.it URL: www.raffaelelandolfo.it
Degrees	 BSc+ MSc PhD Civil Engineering Structural Engineering Univ.of Naples Federico II, Italy Univ.of Naples Federico II, Italy 1987 1992
Key Qualifications	 Professor of Structural Engineering and Seismic Design at the University of Naples; Head of the Department of the Constructions and Mathematical Methods in Architecture and member of the Academic Senate; Chairman of the ECCS Technical Committee 13 on Seismic Design; External Examiner for MSc in Earthquake Engineering and Structural Steel Design at the Imperial College London Member of Pool of Reviewers of Romanian Research Assessment Exercise (RRAE), Romania, since 2011. Member of the Panel of Reviewers of Fundação para a Ciência e a Tecnologia (FCT), Portugal, since 2010. Member of the Technical Management Board (TMB) The European Convention for Constructional Steelwork (ECCS), since 2007. Member of the European Project Teams for the conversion from ENV to EN of the Eurocode 3: Design of Steel Structures; Member of the National Seismic Committee within "Fondazione Promozione Acciaio" and of the Steering Committee of the National Council of Steel Technicians; Expert within the CEN-TC 250/SC9 "Aluminum Alloy Structures";
Role within Suscos consortium	 Responsible for the CTU management of the project; Providing courses (teaching); Academic supervisor.
Research focus	 Steel Structures (seismic design HSS stability) Cold formed Thin walled structures Light steel Sustainability and life cycle structural engineering.



Conference

References		Selected references (max. 10)
Description#ISI journal5Non-ISI journal3Conferences26Citations67Book chapters3Books5	# 53 35 68 78 38 5	 R. Landolfo (EDITOR) (2013). Assessment of EC8 provisions for seismic design of steel structures. Berlino:ECCS, ISBN: 9789291471126 Della Corte G., D'Aniello M., Landolfo R. (2015). Field testing of all-steel buckling restrained braces applied to a damaged reinforced concrete building. JOURNAL OF STRUCTURAL ENGINEERING, vol. 141, ISSN: 0733-9445, doi: 10.1061/(ASCE)ST.1943-541X.0001080 Mario D'Aniello, Esra Mete Güneyisi, Raffaele Landolfo, Kasım Mermerdaş (2015). Predictive models of the flexural overstrength factor for steel thinwalled circular hollow section beams. THIN-WALLED STRUCTURES, vol. 94, p. 67-78, ISSN: 0263-8231, doi: 10.1016/j.tws.2015.03.020 D'Aniello M., Costanzo S., Landolfo R. (2015). The influence of beam stiffness on seismic response of chevron concentric bracings. JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH, vol. 112, p. 305-324, ISSN: 0143-974X, doi: 10.1016/j.tys.2015.05.021 L. Fiorino, O. Iuorio, R. Landolfo (2014). Designing CFS structures: The new school bfs in naples. THIN-WALLED STRUCTURES, vol. 78, p. 37-47, ISSN: 0263-8231, doi: 10.1016/j.tws.2013.12.008 L. Cascini, F. Portioli, R. Landolfo (2014). Probabilistic time variant assessment of thin-walled steel members under atmospheric corrosion attack. JOURNAL OF CIVIL ENGINEERING AND MANAGEMENT, vol. 20, p. 404-414, ISSN: 1392-3730, doi: 10.3846/13923730.2013.802709 L. Fiorino, R. Landolfo, O. Iuorio (2013). Behaviour Factor Evaluation of Sheathed Cold-Formed Steel Structures . ADVANCED STEEL CONSTRUCTION, vol. 9, p. 26-40, ISSN: 1816-112X Landolfo R., Cascini L., Portioli F. (2011). Sustainability of steel structures: towards an integrated approach to life-time engineering design. FRONTIERS OF ARCHITECTURE AND CIVIL ENGINEERING IN CHINA, vol. 5, p. 304-314, ISSN: 1673-7407, doi: 10.1007/s11709-011-0123-9 Braganca L., Koukkari H., Landolfo R., Ungureanu V., VesiKari E., Hechler O. (EDITOR) (2011). Integrated Approach to Life-time Structural Engineering Vol
Teaching experiesDescriptionYears of teachingPhD supervisionMSc supervisionLectured subjects	# 21 30 60 10	 Under-graduate teaching MSc.in Architecture(Structural Engineering and Seismic Design) MSc in Structural Engineering (Steel structures) MSc SUSCOS_M (Design for seismic and climate change) Post-graduate teaching MSc Cold formed steel structures & seismic design PhD Steel Structures Continous Education Steel Structures
International experience Description Research projects Mobility programmes Technical boards	# 18 6 10	 Project Coordinator in the EU RFCS RFSR-CT 2013-00021 European pre-QUALified steel JOINTS Research Unit Coordinator in the RFSR-CT-2015-00022 FREE from DAMage Steel Connections Research Unit Coordinator in the RFS2-CT-2013-00016 Large Valorisation on Sustainability of Steel Structures. Research Unit Coordinator in the FP7-2013-NMP-ENV-EeB Energy Efficient Lightweight-Sustainable-SAfe-Steel Construction

LIghtweight-Sustainable-SAfe-Steel Construction
 Chairman of the Working Group 3 of the COST Action C25 Sustainability of



Others	 constructions: an integrated approach to life time structural engineering. Research Unit Coordinator in the EU RFCS Research Programme "High strength steel in seismic resistant building frames". Reference n° RFSR-CT-2009-00024.
	Research Unit Coordinator in the EU RFCS Research, "Displacement Based Design of STEEL Moment Resisting Frame Structures", Research Fund for Cool and Stool, contract p. RESP, CT 2010 00020, under doublement.
	 Research Unit Coordinator in the PROHITECH Project on "Earthquake Protection of Historical Buildings by Mixed Reversible Technologies.
	Member of ECCS Technical Management Board since 2007
	 Research Unit coordinator in national research project: MIUR-PRIN 2005-2007 on Vulnerability and reversible consolidation techniques of historic metal structures; ReLUIS Project: Unit 5 on the rotation capacity of steel members and classification of cross sections
Cooperation with	Research director of many projects sponsored by CNR Ministry of
industry	Education, Ministry of Public Works, Ministry of Research in Italy
	Member of the International Scientific Network-Steel Construction promoted
	 Joint research project with ArcelorMittal and <i>Knauf GIPS KG</i>
Patents	
Prizes	 (1999) ACAI prize for the Malpensa Airport building in Milan after completion 2014 Premiul Anghel Saligny by the Academia Romana for the design of cod formed steel structures
Languages	Italian English Fluent

Ug	Jean-Pierre JASPART Full Professor Department ArGEnCo University of Liège BELGIUM	
Contacts	Department ArGEnCo Liège University Quartier Polytech 1 9, Allée de la Découverte B52/3 B-4000 LIEGE 1 (Belgium) Tel.: +32 4 366 92 47 Fax: +32 4 366 91 92 e-mail: jean-pierre.jaspart@ulg.ac.be URL: http://www.argenco.ulg.ac.be/accueil.php	
Degrees	Civil EngCivil EngineeringUniv. Liège, Belgium1985PhDApplied SciencesUniv. Liège, Belgium1991AggregationApplied SciencesUniv. Liège, Belgium1997	
Key Qualifications	 Aggregation Applied Sciences Univ. Liège, Belgium 1997 Professor of Steel and Composite Structures at the University of Liège Vice-President of the ArGEnCo Department. Head of the Steel and Composite Structures Division. Director of the Materials and Structures laboratory Project Coordinator of several R&D projects involving partners from several European countries Member of the Technical Committee "Connections" (TC10) of the European Convention for Constructional Steelwork (ECCS) and chairman for years of its sub-committee TWG10.2 "Joints" Member of the Technical Committee "Stability" (TC8) of the European Convention for Constructional Steelwork (ECCS) Member of the American Structural Stability Research Council (SSRC) Member for four years of the Management Committee of the COST C1 European Action on "the semi-rigid behaviour of joints" and chairman of the Working Group 2 on "Steel and Composite Connections". Chairman for four years of the Management Committee of the COST C12 European Action on "Improvement of Building's Structural Quality by New Technologies". Member of CIDECT (Comité International pour l'Etude et le Développement de la Construction Tubulaire). Member of Darts of Eurocode 3 « Steel Structures » on column stability and structural joints Contribution to the drafting of the part of Eurocode 4 "Composite Construction" related to the design of joints. 	
Role within Suscos consortium	 Representative of the Belgian Partner Member of the teaching staff 	
Research focus	Steel Structures (joints robustness stability HSS Stainless steel)	

	Cold formed Thin wall Light steel
References Description # Journals 63 Conferences 147 Book 22 chapters Books Books 17	 Selected references (max. 10) Books European recommendations for the design of simple joints. J.P. JASPART, J.F. DEMONCEAU, S. RENKIN et M.L. GUILLAUME CECM, Convention Européenne de la Construction Métallique, N° 126, 2009. Rules for member stability in EN 1993-1-1 – Background documentation and design guidelines N. BOISSONNADE, R. GREINER, J.P. JASPART et J. LINDNER ECCS European Convention for Constructional Steelwork, Publ. N° 119, Brussels, 2006 Book Chapters Momententragfähige Anschlüsse mit oder ohne Steifen Chapter 4 of the Stahlbau-Kalender 2005 Published by Ernst&Sohn, Berlin, Germany (in collaboration with D. Ungermann, K. Weynand et B. Schmidt) International Journals Combined distortional and overall flexural-torsional buckling of cold- formed stainless steel sections: Design B. ROSSI, J.P. JASPART and K. RASMUSSEN Journal of Structural Engineering, ASCE, 2009, Volume 136, Number 4, April 2010, pp. 354-360 Design of composite sway building frames for global instability. J.F. DEMONCEAU, J.P. JASPART et R. MAQUOI ASCE Journal of Engineering Mechanics, American Society of Civil Engineers, Volume 131, Number 6, June 2005, pp.641-653. Is it safe to design a building structure with simple connections, when they are known to exhibit a semi-rigid behaviour? M. BRAHAM et J.P. JASPART Journal of Constructional Steel Research, Volume 60, Issues 3-5, 2004, pp. 713-723. Proceedings of Conferences Composite joints in robust building frames J.P. JASPART et J.F. DEMONCEAU "First practical implementation of the component method to joints in tubular construction K. WEYNAND, E. BUSSE et J.P. JASPART Proceedings of the 11th International Symposium on Tubular Structures, Québec, Canada, du 21 aoùta au 2 septembre 2006, pp. 139-145. Resistance of joints submitted to combined axial force and bending, F. CERFONTAINE et J.P. JASPART Proceedings
Teaching	**

Teaching experience		** Steel structures Composite structures
Description	#	Structures under exceptional loading
Years of teaching	24	Mechanics of Materials
PhD supervision	11	
MSc	Many	

supervision					
Lectured	* *				
subjects		Under-graduate teaching	Steel / Composite Structures Mechanics of Materials		
		Post-graduate teaching			
			Steel / Composite Structures		
			Steel / Composite Structures		
			ation Steel / Composite Structures		
		In addition:			
		Composite construction at Ho Chi Minh University (Vietnam) Regular seminars at C/U/S/T Clermont-Ferrand in France in the framework c the ERASMUS program.			
		Various teaching activities u Spain, Austria, Greece,	Various teaching activities universities in Portugal, Hungary, France, Belgium, Spain, Austria, Greece,		
		Lectures at the Internationa Regular organisation of sen	.ectures at the International School for Mechanics in Udine (Italy). Regular organisation of seminars and teaching for engineers in Belgium,		
		Luxembourg and France.			
		Supervision of undergraduate students, master students and Ph.D. students. Member of the "doctoral school in civil engineering" of the "Belgian French			
		Speaking Community"	SMUS MUNDUS Master SUSCOS on "quatainable		
		constructions under natural	by b		
International	-	□ 39 research projects in total; mainly at the international level; funded at the			
experience		regional and national levels for some, at the European or international levels for most of them (through programs as FP6 or RFCS, but also CIDECT).			
Description	#				
Research	39				
projects					
Mobility	3	 * See "key qualifications" 	and teaching experience" before		
programmes					
Technical	2				
boards	1.5				
Conference	15				
Othorg	*				
ULITELS					
Cooperation w	vith	Many contacts and research	activities with various enterprises in Europe		
industry		,			
Prizes		Prix "Fernand de Waele 199 Scientifique.	92" délivré par le Fonds National de la Recherche		
		Driv 1002 do "Accociotion d	on Ingénieuro portio de l'Université de Liègo		
		Prix 1992 de l'Association des Ingénieurs sortis de l'Université de Liège.			
		Prix International Gustave MAGNEL pour la biennale 1990-1992.			
		Prix Président Leroux 199 Liège.	8 de l'Association des Amis de l'Université de		
Terrere					
Languages		 □ Frencn English □ German 	Average		



	Luís Alberto Proença Simões da Silva Full Professor Department of Civil Engineering of the University of Coimbra PORTUGAL		
Contacts	Departamento de Engenharia Civil Universidade de Coimbra Polo II – Pinhal de Marrocos 3030-788 Coimbra, Portugal Tel.: +351 239 797216 Fax: +351 239 797217 e-mail: <u>luisss@dec.uc.pt</u> URL: www.dec.uc.pt		
Degrees	BScCivil EngineeringUniv.Coimbra, Portugal1984MScStructural Steel DesignImperial College, London, UK1986DICStructural Steel DesignImperial College, London, UK1986PhDStructural MechanicsImperial College, London, UK1989AggregationStructuresIST, Lisbon, Portugal2000		
Key Qualifications	 Professor of Steel and Composite Structures at the University of Coimbra; Director of ISISE – Institute for Sustainability and Innovation in Structural Engineering. Head of the Steel and Composite Structures Section at the University of Coimbra; Member of the Executive Board do ECCS Member of the Portuguese Academy of Engineering. President of cmm – Portuguese Association of Steel and Composite Construction; Director of GIPAC Consulting Lda., with the responsibility for the design and management of engineering projects and the development of software; Project Coordinator of several R&D projects involving partners from several European countries. 		
Role within Suscos consortium	 Responsible for the management of the project; Academic supervisor. 		
Research focus	 Steel Structures (joints fire stability HSS) Cold formed Thin wall Light steel Sustainability and life cycle analysis of building structures 		



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Description

ISI journal

Citations

Books

Patents

Conferences

Book chapters

Selected references

Chairman of the Editorial Board of ECCS. Chairman of the Editorial Board of "Steel Construction – Design and Construction". Member of the Editorial Board of: "Steel and Composite Structures", "Journal of Constructional Steel Research", "Advanced Steel Construction" and "Revue Roumaine des Sciences Techniques - Série de Mécanique Appliquée", edited by the Roumanian Academy.

The papers published in scientific journals listed in ISI Web of Science Core Collection (88 journal papers, no conference papers) were cited 651 times (by papers listed in ISI Web of Knowledge), corresponding to a h-index of 12 and an average number of citations by paper of 7.40 (data from 19.9.2015). Data available from ResearcherID at [http://www.researcherid.com/rid/B-2790-2008]. h-index (SCOPUS) of 19 and 987 citations (papers listed in SCOPUS) (data available in http://orcid.org/0000-0001-5225-6567). Papers published were cited 1998 times (GOOGLE SCHOLAR), corresponding to a h-index of 23 (data available at http://www.scholar.google.com/citations?user=Gg-PFwkAAAAJ).

- Simões da Silva L., Simões, R. and Gervásio H., "Design of Steel Structures", ECCS Eurocode Design Manuals, ECCS Press and Ernst & Sohn (2010)
- L. Simões da Silva and H. Gervásio, "Manual de Dimensionamento de Estruturas Metálicas: métodos avançados", cmm Press (2007)
- A. Lamas, L. Simões da Silva e P. Cruz (eds), Construção Metálica e Mista II, cmm, Coimbra (1999).
- A. Lamas, P. Vila Real e L. Simões da Silva (eds), Construção Metálica e Mista III, cmm, Aveiro (2001).
- A. Lamas and L. Simões da Silva (eds), "Proceedings of the Third European Conference on Steel Structures – Eurosteel 2002", 2 vols., cmm, Coimbra, ISBN 972-98376-3-5 (2002).
- L. Simões da Silva and J. Mendes (eds.), "Improvement of Building's Structural Quality by new Technologies", European Communities, Brussels (2003).
- L. Simões da Silva e A. Santiago (eds.), "Manual de Ligações Metálicas", cmm, Coimbra (2003).
- L. Simões da Silva and A. Lamas (guest editors), Special Issue of Journal of Constructional Steel Research 60(3-5), 361-808 (March-May 2004).
- Simões da Silva, L. and Santos, J., "Localized formulations for thick "sandwich" laminated and composite structures", *International Journal Computational Mechanics*, Vol. 22 (3): pp. 211-224 (1998).
- Wald, F, Simões da Silva, L., Moore, D., Lennon, T., Chladna, M., Santiago, A., Benes, M., Borges, L., "Experimental behaviour of a steel structure under natural fire", *Fire Safety Journal* **41**(7), pp. 509-522 (2006).
- Simões da Silva, L., "Towards a consistent design approach for steel joints under generalized loading", *Journal of Constructional Steel Research*, 64(9), pp. 1059-1075 (2008)
- Santos, P., Simões da Silva, L., Gervásio, H., and Gameiro Lopes, A., "Parametric analysis of the thermal performance of light steel residential buildings in Csb climatic regions", *Journal of Building Physics* 35(1), pp. 7-53 (2011).
- Marques, L., Taras, A., Simões da Silva, L., Greiner, R. and Rebelo, C., "Development of a consistent design procedure for tapered columns", *Journal of Constructional Steel Research*, **72**, pp. 61–74 (2012).
- Gervásio, H. and Simões da Silva, L., "A probabilistic multi-criteria decision methodology for the sustainable assessment of bridges", *Expert Systems With Applications*, **39**, pp. 7121–7131 (2012).

Teaching experience	Under-graduate teaching	Civil Engineering (Structural Mechanics)
	Post-graduate teaching	
Description #	MSc	Steel Structures



Years of teaching	31	PhD Steel Structures
PhD supervision	22	Continous Education Steel Structures
MSc supervision	52	
Lectured subjects	44	
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International		 Coordination and participation in over forty international and national
experience		research projects with funding on a competitive basis and several
		international thematic networks such as
Description	#	RFCS – HISTWIN – High strength steel tower for wind turbines 1 401
Research projects	44	077€
Mobility	9	RFCS – INFASO – New market chances for steel structures by
programmes	-	innovative fastening solutions 797 491€
Technical boards	6	 RFCS – ROBUSTFIRE – Robustness of car parks against localised fire
Conference	88	1 266 395 €
committees		RFCS – HSS-SERF – High strength steel in seismic resistant building
		frames 2 088 410 €
		RFCS – COMPFIRE – Economical and safe design of steel joints under
		the natural fire 1 625 771 €
		RFCS – SBRI – Sustainable Steel and Composite Bridges in built
		environment 1 456 901 €
		□ AFFORDABLE HOUSES – 225 000 €
		RFCS – "HISTWIN2 - "High steel tubular towers for wind turbines" 1
		295 554 €
		QREN - "COOLHAVEN – "Habitações modulares e Eco-sustentáveis
		Lda." 866 436 €
		RFCS – "DiSTEEL - "Displacement Based Seismic Design of STEEL
		Moment Resisting Frame Structures" 1 987 117 €
		RFCS – "SEMI-COMP+ - Valorisation Action of Plastic Member
		Capacity of Semi-Compact Steel Sections – a more Economic Design"
		333 659 €
		 RFCS – "FRAMEUP "Optimization of frames for effective assembling"
		1 558 533 €
		 RFCS – "SB_STEEL – "Sustainable building project in steel", " 1 274
		181 €
		 RFCS - AEOLUS4FUTURE – "Efficient harvesting of the wind energy",
		1 //3 924 € EPZ OTEEL DDOOT: Wan quetius Eire Dretectius Ocetings for Oteel
		• FP7 - STEELPROST: "Innovative Fire Protective Coatings for Steel
		Structures, 2 337 464 € DTDC IMDACTEIDE "Debugt Connections for Impact and Fire
		PIDC - IMPACTFIRE RODUST Connections for impact and fire Loading" 192 500 €
		DTDC "2D IONITS Three dimensional behavior of steel joints" 2
		$\square PTDC - 3D3OINTS - THEE-dimensional behavior of steel joints , 2100.020 \neq$
		PTDC - "S-GLASS – Development and Validation of Design Methods for
		Structures Subjected to Extreme Actions "1 194 895 €
		QREN – "EcoSteelPanel - Conforto Térmico e Acústico" 118 952 €
		Member of the Management Group of the Executive Board of ECCS since
		September 2006, in charge of Education and Technical Innovation
		Member of the organizing or scientific committees of several national and
		international conferences such as ICSCS '07 (Manchester, 2007), 2ndICSC
		(Stuttgart, 2007), SB07 (Lisboa, 2007), 6cmm (Porto, 2007), 6th ICBAD
		(Budapest, 2007), ICASS'07 (Singapore, 2007), CCC 2008 (Porto. 2008).
		7th ICSB (Guimarães, 2008), 5th ICTWS (Brisbane, 2008), Eurosteel'08
		(Graz, 2008), CINCOS'08 (Curia, 2008), ANIDIS 2009 (Bologna . 2009).
		1ºCongresso Nacional sobre Segurança e Conservação de Pontes.
		(Lisboa, 2009), CC2009 Funchal, 2009), 7º Congresso Nacional de
		Construção Metálica e Mista, (Lisboa 2009), SB10 – Sustainable Buildina
		Affordable to All (Vilamoura, 2010), ICSA2010 (Guimarães, 2010).
		ICSCS'10 (Sidney,2010), SDSS 2010 (Rio de Janeiro, 2010), CST2010
		(Valencia,2010), International Symposium "Steel Structures (Turkey, 2010),



	1º CILASCI (Natal, Brasil,2011), 6 th ICTWS, (Timisoara, 2011), Segundo Congresso Nacional sobre Segurança e Conservação de Pontes, (Coimbra, 2011), Eurosteel 2011 (Budapest,2011), 7 th National Conference on Steel Structures (Athens, 20119, 8º Congresso Nacional de Construção Metálica e Mista (Guimarães, 2011), ICSCS10 (Seoul, 2011), SS11 (Cyprus, 2011), BSA 2012, (Porto 2012), .		
Cooperation with industry	 Responsible for over 150 engineering Civil Enspecified fields: Strenghtening and refurbishment of structures Building structures (steel, steel and composite Bridges, industrial structures Hydraulic projects Energy He developed over a dozen structural engineering 	gineering projects in the or concrete)	
Prizes	 ECCS Silver Medal, Milano, Italy (2013). Winn Award for the best paper published in "Revista F de Estruturas": Vigas e Vigas-coluna em Situaçã EC3: Novas Propostas de Cálculo, Nuno Lopes Simões da Silva, "Revista Portuguesa de Engenh pp. 17-34, (2005). 	ECCS Silver Medal, Milano, Italy (2013). Winner of Ferry Borges 2006 Award for the best paper published in "Revista Portuguesa de Engenharia de Estruturas": <i>Vigas e Vigas-coluna em Situação de Incêndio segundo o EC3: Novas Propostas de Cálculo,</i> Nuno Lopes, Paulo Vila Real e Luís Simões da Silva, "Revista Portuguesa de Engenharia de Estruturas", nº 54, pp. 17-34, (2005).	
Languages	 Portuguese English French German A 	luent verage	