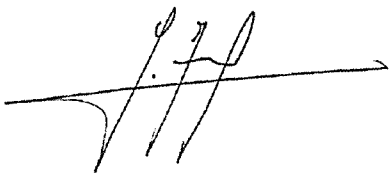
Curriculum Vitae

Salvador Ivorra

The undersigned declares that the truth of the information contained in this CV, assuming otherwise, the responsibilities arising from any inaccuracies stated in the same, and undertaking to provide documentary evidence as may be required.

Alicante, June 2016



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Academic Education

Ingeniero Industrial (6 years + Final Project)	Technical University of Valencia (UPV)	1997
Dr. Ingeniero Industrial		2002

Academic positions

1. Researcher and associate professor UPV 1997-2005.
2. Associate professor U. of Alicante 2005-2011
3. Secretary of Contiuum Mechanics Dep. UPV (2000-2005).
4. Vice-Dean: Master's course in Civil Eng, UA. 2006 - 2009.
5. Vice-Dean: Degree of Civil Eng. and Master's course UA, 2009-2013
6. Head of the Research Group GRESMES: Simulation, monitoring and test structures.
7. Head of the Civil Engineering Laboratory (U. of Alicante)

Participation in R&D projects funded in public calls

From the 20 projects funded in public calls were I've participated I've selected 4 for their relevance:

1. **BIA2015-69952-R: Methodologies for reinforcing masonry structures with TRM for seismic loads: Experimental and Numerical studies.** Ministerio Economía y Competitividad. 01/01/2016 AL 31/12/2018. 113.740 €.
2. **BIA2012-34316: Experimental and numerical study of the seismic behavior of slender structures with FRP reinforced masonry: designing a reinforcing method.** Ministerio Economía y Competitividad. 01/01/2013-31/12/2015, 121.680,00 €.
3. **PROMETEO/2013/035. Cementitious multifunctional smart.** Conselleria de Educación, Formación y Empleo. 01/01/2013 a 31/12/2015. 186.996 €.
4. **BIA 2008-06268. Experimental and numerical study of beam-slab-support and knots support RC pillars.** Ministerio de Ciencia y Tecnología. 01/01/2009 - 31/12/2011.

European Research Projects:

1. ***SERIES2278887. Assessment of the seismic behaviour of flat-bottom silos containing grain-like materials.*** FP7. U. Alicante, U. Bristol, U. Bologna, Pol. Bari. 2010 - 2012.
2. ***SERIES2278887. Seismic behavior of structural systems composed of cast in situ concrete walls.*** FP7: U. Alicante, U. Bologna, Pol. Bari. 2010 -2012.
3. ***Smart Built. Structural Monitoring of artistic & historical building testimonies.*** FP7. Ionian U., U. of Salento, Corfu Municipality Sole Shareholder Company S.A. (Greece); Regional Direction for the Cultural and Landscape Heritage of Puglia, Pol. Bari: 01/01/2013 - 30/06/2014.

Participation in R&D contracts

From the more than 150 contracts with companies and administrations, involving more than 2.5 m€.

TEACHING ACTIVITY

Dep. Continuous Medium Mechanics – UPV

Concrete structures 1997/98, Mechanics of materials 1998-20005, Structural analysis 1998-2005, Elasticity 2001-2005, Dynamics of structures 2003-2007

Dep. Civil Engineering – U. Alicante

Continuous Medium Mechanics. 2005-2015, Foundations of seismic construction. 2005-2015. Advanced concepts of seismic construction, 2005-2009, Dynamics of structures. Seismic construction 2009-2015, Advanced concrete structures: 2014/15, Steel and comp. struct: 2014/15

Selected publications: JCR-Journals

From my 45 JCR publications, I've selected 10 for their impact and number of citations. I've selected some of them for the collaboration with professors of the Pol. Bari:

1. Ivorra, S., Pallarés, F.J. **Dynamic investigations on a masonry bell tower (2006) Engineering Structures**, 28 (5), pp. 660-667.
2. Adam, J.M., Ivorra, S., Giménez, E., Moragues, J.J., Miguel, P., Miragall, C., Calderón, P.A. **Behaviour of axially loaded RC columns strengthened by steel angles and strips** (2007) Steel Compos Struct, 7 (5), pp. 405-419.
3. Foti, D., Ivorra, S., Sabbà, M.F. **Dynamic investigation of an ancient masonry bell tower with operational modal analysis a non-destructive experimental technique to obtain the dynamic characteristics of a structure** (2012) Open Construc Buil. Tech.J, 6, pp. 384-391.
4. Adam, J.M., Ivorra, S., Pallarés, F.J., Giménez, E., Calderón, P.A. **Axially loaded RC columns strengthened by steel caging. Finite element modelling** (2009) Construc. Build. Mat, 23 (6), pp. 2265-2276.
5. Ivorra, S., Garcés, P., Catalá, G., Andión, L.G., Zornoza, E. **Effect of silica fume particle size on mechanical properties of short carbon fiber reinforced concrete** (2010) Mat. & Design, 31 (3), pp. 1553-1558.
6. Ivorra, S., Pallarés, F.J., Adam, J.M., Tomás, R. **An evaluation of the incidence of soil subsidence on the dynamic behaviour of a Gothic bell tower** (2010) Eng. Struct, 32 (8), pp. 2318-2325.
7. Silvestri, S., Ivorra, S., Chiacchio, L. D., Trombetti, T., Foti, D., Gasparini, G., Pieraccini, L., Dietz, M., and Taylor, C. (2015) ***Shaking-table tests of flat-bottom circular silos containing grain-like material.*** Earthquake Engng Struct. Dyn.
8. M. Palermo, I. Ricci, S. Silvestri, G. Gasparini, T. Trombetti, D. Foti, S. Ivorra, ***Preliminary interpretation of shaking-table response of a full-scale 3-storey building composed of thin reinforced concrete sandwich walls***, Eng. Struct., 76, 2014, Pages 75-89
9. Ivorra, S., Pallarés, F.J., Adam, J.M. Masonry bell towers: Dynamic considerations. (2011) Proc. Instit. Civil Eng.: Structures and Buildings, 164 (1), pp. 3-12.
10. Pallares, FJ; Ivorra, S; Pallares, L; Adam, JM. 2009. ***Seismic assessment of a CFRP-strengthened masonry chimney***. Proc. Instit. Civil Eng.: Structures and Buildings 162 (5):291-299.

Conferences

117 papers int. conf., 73 in www.scopus.com.

Books oriented to students (a selection)

From my 7 books published I've selected 2 for their relevance:

1. A.J. Jiménez, S. Ivorra. ***Elasticidad y Resistencia de Materiales. Ejercicios Resueltos.*** 2012 ISBN: 978-84-9705-682-3. Ed. UPV. Valencia
2. R. Irles, S.Ivorra. ***Mecánica de Medios Continuos. 100 supuestos de examen*** (2011) ISBN: 978-84-9717-159-5 Ed. Publicaciones de la UA (Alicante)

PATENTS

1. ***System device and for reducing air phase in construction of building structures.***PATENT, (P200602852), 2006
2. ***Optical sensor for monitoring structures***. PATENT, (P200801728) 2008

DOCTORAL THESIS TUTOR.

I has been supervisor of 12 PhD thesis, actually I'm supervising other 5.

Awards:

1 U. Politécnica de Madrid. Award for doctoral thesis. 2002.

2 Award for teaching excellence. 2011. U. of Alicante

3 Fib (Federation Int. beton) nomination for Best concrete construction in the 2009-2014 quadrennium as co-author of the footbridge Kiss Bridge in Alicante

International activities

1 Visiting research Durham Univ. (U.K.): 2002. (The British council)
2 Erasmus T. Staff: Pol. Milano (2002); Pol. Bari (2009, 2012), U. Bologna (2010, 2013).
3 Member of Scientific Committee of the Int. Ph.D. Course in "Water, materials and soil engineering" since 2005-2011 (U. P. Marche – U. Alicante)
4 List of the commissars for the Italian national accreditation to ICAR / 09.
5 Visiting Fellow at the U. Bristol (UK). 2012-
6 Visiting Profesor at the Politecnico di Bari (Italy). 2016 (3 months)

Reviewer

- 25 different JCR int. journals, I will remark 2 of them: Engineering Structures, Construction and Building Materials.
- Research projects for the European Commission, the Spanish research council, regional agencies and private companies in Spain.
- Accreditation agencies for Educational University Excellence: Spanish and regional