

Professor Dennis Lam

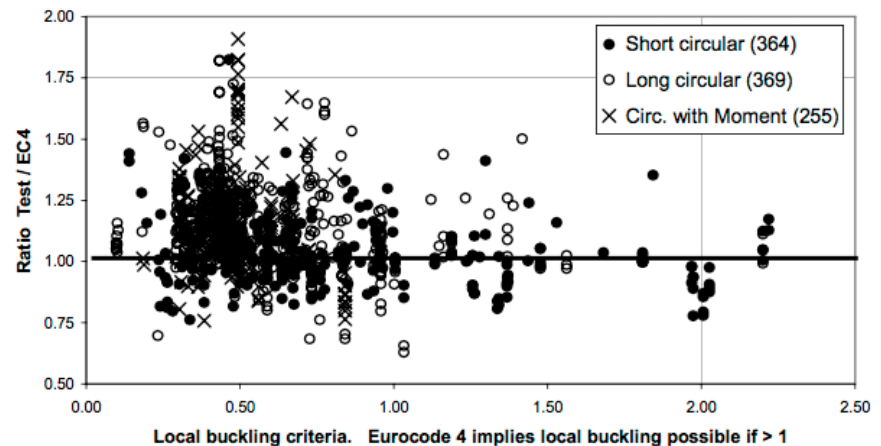


Figure 3. Circular Columns. Ratio Test/EC4 against Eurocode 4 local buckling criteria

From: D. Goode, D. Lam, Concrete-filled steel tube columns—tests compared with Eurocode 4, Proceedings of the Composite Construction in Steel and Concrete Conference VI, Colorado, US (2008), pp. 317–325

See:

https://www.researchgate.net/profile/Dennis_Lam3

<https://scholar.google.com/citations?user=JPu-ttYAAAAJ&hl=en>

<http://www.bradford.ac.uk/ei/engineering/staff-profiles/profile/?u=dlam1>

Chair in Structural Engineering
Director of Bradford Center for Sustainable Environments
University of Bradford, UK

Biography:

Professor Dennis Lam is the Chair in Structural Engineering and the Director of Bradford Centre for Sustainable Environments. He is a Chartered Engineer, Fellow of the Institution of Structural Engineers and a Member of the Institution of Civil Engineers. He is the President of the Association for International Cooperation and Research in Steel - Concrete Composite Structures. He is also a member of the British Standard Institute B525/ and CEN/T250/SC4 committees responsible for the BS5950 and Eurocode 4. His main research interests are in the area of steel and composite structures, including the use of stainless steel, precast concrete and fibre reinforced polymers.

Selected Publications:

- W.K. Liu, E.S. Law, D. Lam and T. Belytschko, Resultant-stress degenerated-shell element. *Comput. Methods Appl. Mech. Engrg.* 55 (1986), pp. 259–300.
- D. Lam, C.A. Williams, “Experimental study on concrete filled square hollow sections”, *Steel Compos Struct*, 4 (2) (2004), pp. 95-112
- G. Giakoumelis, D. Lam, “Axial capacity of circular concrete-filled tube columns”, *J Constr Steel Res*, 60 (7) (2004), pp. 1049-1068
- H. Yang, D. Lam, L. Gardner, “Testing and analysis of concrete-filled elliptical hollow sections”, *Eng Struct*, 30 (12) (2008), pp. 3771-3781
- D. Lam, N. Testo, “Structural design of concrete filled steel elliptical hollow sections”, *Composite Construction VI. Colorado USA* (2008)

D. Goode, D. Lam, Concrete-filled steel tube columns—tests compared with Eurocode 4, Proceedings of the Composite Construction in Steel and Concrete Conference VI, Colorado, US (2008), pp. 317–325

N. Jamaluddin, D. Lam, J. Ye, “Finite element analysis of elliptical stub CFT columns”, D. Lam (Ed.), Proceedings of the 9th International Conference on Steel Concrete Composite and Hybrid Structures (ASCCS 2009), Leeds, UK, 8-10 July 2009, Research Publishing, Singapore (2009)

X. Dai, D. Lam, “Numerical modelling of axial compressive behaviour of short concrete-filled elliptical steel columns”, J Constr Steel Res, 66 (7) (2010), pp. 931-942

D. Lam, X.H. Dai, L.H. Han, Q.X. Ren and W. Li, “Behaviour of inclined, tapered and STS square CFST stub columns subjected to axial load”, Thin-Walled Structures, Vol. 54, pp 94-105, May 2012

T. Sheehan, X.H. Dai, T.M. Chan, D. Lam, Structural response of concrete-filled elliptical steel hollow sections under eccentric compression, Eng. Struct., 45 (2012), pp. 314–323

N. Jamaluddin, D. Lam, X.H. Dai and J. Ye, “An experimental study on elliptical concrete filled columns under axial compression”, Journal of Constructional Steel Research, Vol. 87, pp 6-16, August 2013

X.H. Dai, D. Lam, N. Jamaluddin and J. Ye, “Numerical analysis of slender elliptical concrete filled columns under axial compression”, Thin-Walled Structures, Vol. 77 pp 26-35, April 2014

M. Pagoulatou, T. Sheehan, X.H. Dai, D. Lam, Finite element analysis on the capacity of circular concrete-filled double-skin steel tubular (CFDST) stub columns, Eng. Struct., 72 (2014), pp. 102–112

Q.X. Ren, L.H. Han, D. Lam, W. Li, Tests on elliptical concrete filled steel tubular (CFST) beams and columns, J. Constr. Steel Res., 99 (2014), pp. 149–160

Q.X. Ren, C. Hou, D. Lam, L.H. Han, Experiments on the bearing capacity of tapered concrete filled double skin steel tubular (CFDST) stub columns, Steel Compos. Struct., 17 (5) (2014), pp. 667–686

M. Mahgub, A. Ashour, D. Lam and X. Dai, “Tests of self-compacting concrete filled elliptical steel tube columns”, Thin-Walled Structures, Vol. 110, pp 27-34, January 2017