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**Special Honor:**

Journal of Constructional Steel Research, Vol. 62, No. 11, November 2006, Special Issue: In Honour of Professor Patrick Dowling. Proceedings of a Symposium on Innovative and Sustainable Steel Construction held at the University of Surrey.

**Selected Publications:**

-----**Books**

Buckling of shells in offshore structures, by J.E. Harding, Patrick Joseph Dowling and N. Agelidis, Granada, 1982, 581 pages

Dowling, P.J., Knowles, P. and Owens, G.W., "Structural Steel Design", Butterworths, London, 1988.

-----**Articles**

B. Einarsson and P.J. Dowling, Tests on simply stiffened rectangular diaphragms., CESLIC Repts. BG54 and BG57, Imperial College, London (1979)

H. Javaherian, P. J. Dowling and L. P. R. Lyons (Department of Civil Engineering, Imperial College, London, England), "Nonlinear finite element analysis of shell structures using the semi-loof element", Computers & Structures, Vol. 12, No. 1, July 1980, pp. 147-159

Dowling P J, Harding J E, Agelidis N, Fahy W 1982 Buckling of orthogonally stiffened cylindrical shells used in offshore engineering. In Buckling of shells (ed.) E Ramm Proc. A State-of-the-Art Colloquium (Berlin, Heidelberg, New York: Springer-Verlag)

Dowling PJ, Harding JE. Experimental behavior of ring and stringer stiffened shells. In: Harding JE, Dowling PJ, Agelidis N, editors. Buckling of shells in offshore structures. London: Granada; 1982. p. 73–107.

Harding JE, Dowling PJ, Walker AC (1983) The buckling design of stringer stiffened shells subjected to combined pressure and axial compression. Proceedings—15th Annual Offshore Technology Conference 1983, Texas, 267–76

H. Javaherian and P.J. Dowling, “Large deflection elastoplastic analysis of thin shells”, *Engineering Structures*, Vol. 7, No. 3, July 1985, pp.154-162

Ronalds, B.F. and Dowling, P.J., “Buckling of intact and damaged offshore shell structures”, *Advances in Marine Structures Conference*, Dunfermline, Scotland, May 1986

Scott ND, Harding JE, Dowling PJ. Fabrication of small scale stiffened cylindrical shells. *J Strain Anal* 1987;22(2):97–106.

Chryssanthopoulos, M. K., Baker, M. J., and Dowling, P.J., “Imperfection Modeling for Buckling Analysis of Stiffened Cylinders,” *Journal of Structural Engineering*, Vol. 117, No. 7, July 1991, pp. 1998-2017.

Chryssanthopoulos MK, Baker MY, Dowling PJ. Statistical analysis of imperfections in stiffened cylinders. *Journal of Structural Engineering* 1991; 117(7):1979–97.

Smith, C.S., N. Anderson, J.C. Chapman, P.C. Pavidson and P.J. Dowling, 1991. Strength of Stiffened Plating under Combined Compression and Lateral Pressure. *Journal Transactions of Research Institute Naval Architecture*, 134: 131-147.

M.A. Bonello, M.K. Chryssanthopoulos, and P.J. Dowling. Ultimate strength design of stiffened plates under axial compression and bending. *Mar Struct*, 6:533–552, 1993