



Professor Hossein Showkati

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Professor of Civil Engineering
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Research Interests:

Structures, shells and plates, buckling, steel structures

Selected Publications:

T Zirakian, H Showkati, Distortional buckling of castellated beams, *Journal of Constructional Steel Research* 62 (9), 863-871, 2006

S Aghajari, K Abedi, H Showkati, Buckling and post-buckling behavior of thin-walled cylindrical steel shells with varying thickness, *Thin-walled structures* 44 (8), 904-909, 2006

BS Golzan, H Showkati, Buckling of thin-walled conical shells under uniform external pressure, *Thin-Walled Structures* 46 (5), 516-529, 2008

A Mohebkhah, H Showkati, Bracing requirements for inelastic castellated beams, *Journal of Constructional Steel Research* 61 (10), 1373-1386

H Showkati, P Ansourian, Influence of primary boundary conditions on the buckling of shallow cylindrical shells, *Journal of Constructional Steel Research* 36 (1), 53-75, 1996

H Showkati, R Shahandeh, Experiments on the buckling behavior of ring-stiffened pipelines under hydrostatic pressure, *Journal of engineering mechanics* 136 (4), 464-471, 2009

TG Ghazijahani, H Showkati, Experiments on conical shell reducers under uniform external pressure, *Journal of Constructional Steel Research* 67 (10), 1506-1515, 2011

O Kohnehpooshi, H Showkati, Numerical modeling and structural behavior of elastic castellated section,

European Journal of Scientific Research 31 (2), 306-318, 2009

T Zirkian, H Showkati, Experiments on distortional buckling of I-beams, Journal of Structural Engineering 133 (7), 1009-1017, 2009

M Maali, H Showkati, SM Fatemi, Investigation of the buckling behavior of conical shells under weld-induced imperfections, Thin-Walled Structures 57, 13-24, 2012

TG Ghazijahani, H Showkati, Bending experiments on thin cylindrical shells, Materials with Complex Behaviour II, 119-139, 2012

TG Ghazijahani, H Showkati, Experiments on cylindrical shells under pure bending and external pressure, Journal of Constructional Steel Research 88, 109-122, 2013

TG Ghazijahani, H Showkati, Locally imperfect conical shells under uniform external pressure, Strength of Materials 45 (3), 369-377, 2013

H Showkati, TG Ghazijahani, A Noori, T Zirkian, Experiments on elastically braced castellated beams, Journal of Constructional Steel Research 77, 163-172, 2012

YG Fakhim, H Showkati, K Abedi, Experimental study on the buckling and post-buckling behavior of thin-walled cylindrical shells with varying thickness under hydrostatic pressure, Symposium of the International Association for Shell and Spatial Structures ..., 2009

H Showkati, Theoretical and numerical buckling study of CPE castellated beams, Final report of NRCI1437, Iran, 2002

A Niloufari, H Showkati, M Maali, SM Fatemi, Experimental investigation on the effect of geometric imperfections on the buckling and post-buckling behavior of steel tanks under hydrostatic pressure, Thin-Walled Structures 74, 59-69, 2014

H Valizadeh, M Sheidaii, H Showkati, Experimental investigation on cyclic behavior of perforated steel plate shear walls, Journal of Constructional Steel Research 70, 308-316, 2012

H Showkati, The buckling strength of cylindrical shells under external pressure, PhD thesis, University of Sydney, 1995

Riahi, F., A. Shamsai, K. Rahmani and H. Showkati, Obtaining Optimal Performance with Ring Stiffeners on Strength for Submarine Pipeline. World Applied Sciences Journal, 15(11): 1494-1502, 2011