Professor Yiska Goldfeld

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Senior Lecturer, Structural Engineering and Construction Management
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Research Interests:
Stability
Buckling
Postbuckling
Imperfection Sensitivity
Laminated Composite Materials

Shell Structures
Structural Optimization
Structural health monitoring

Academic Degrees:

1995, B. Sc. Faculty of Civil Engineering, Technion - Israel Institute of Technology, Haifa, Israel, Summa Cum Laude.

1999, M.B.A Faculty of Business Management, Ben-Gurion University, Be'er-Sheva, Israel.

1999, Master. Faculty of Civil Engineering, Technion - Israel Institute of Technology, Haifa, Israel. (for completing the requirement for the Master's degree during the Ph.D. studies).

2002, Ph. D. Faculty of Civil Engineering, Technion - Israel Institute of Technology, Haifa, Israel. 'Imperfection Sensitivity of Conical Shells'

List Of Publications:

Goldfeld, Y. 'A Direct Identification Procedure for Assessment of the Stiffness Distribution', Engineering Structures, Vol. 31, No. 5, pp. 1068-1076, 2009.

Goldfeld, Y. 'An Alternative Formulations in Linear Bifurcation Analysis of Laminated Shells', Thin Walled Structures, Vol. 47, Issue 1, pp.44-52, January 2009.

Goldfeld, Y. and Ejgenberg, E. A 'On the Different Formulations in Linear Bifurcation Analysis of Laminated Cylindrical Shells', International Journal of Solid and Structure, Vol. 44, Issues 25-26, pp. 8613-8626, December 2007.

Goldfeld, Y. 'Identification of the Stiffness Distribution in Statically Indeterminate Beams', Journal of Sound and Vibration, Vol. 304, Issues 3-5, pp. 918-931, July 2007.

Goldfeld, Y. 'Elastic Buckling and Imperfection Sensitivity of Generally Stiffened Conical Shells', AIAA Journal, Vol. 45, No. 3, pp.721-729, March 2007.

Goldfeld, Y. 'Imperfection Sensitivity of Laminated Conical Shells', International Journal of Solid and Structure, Vol. 44, Issue 3-4, pp. 1221-1241, February 2007.

Goldfeld, Y. and Arbocz, J. 'Elastic Buckling of Conical Shells Using a Hierarchical High-Fidelity Analysis Procedure', ASCE Journal of Engineering Mechanics, Vol. 132, No. 12, pp. 1335-1344, December 2006.

Goldfeld, Y., Verenne. K., Arbocz, J. and Van Keulen, F. 'Multi-Fidelity Optimization of Laminated Conical Shells for Buckling', Structural and Multidisciplinary Optimization, Vol. 30, No. 2, pp. 128-141, August 2005.

Goldfeld, Y., Arbocz, J. and Rothwell, A. 'Design and Optimization of Laminated Conical Shells for Buckling', Thin Walled Structures, Vol. 43, pp. 107-133, January 2005.

Goldfeld, Y. and Sheinman, I. 'Discontinuity in the Sensitivity Curves of Shells Structures', ASME Journal of Applied Mechanics, Vol. 71, No. 3, pp. 418-420, May 2004.

Goldfeld, Y. 'The Influence of the Stiffness Coefficients on the Imperfection Sensitivity of Laminated Cylindrical Shells', Composite Structures, Vol. 64, No. 2, pp. 243-247, May 2004.

Goldfeld, Y. and Arbocz, J. 'Buckling of Laminated Conical Shells Taking into Account the Variations of the Stiffness Coefficients', AIAA Journal, Vol. 42, No. 3, pp. 642-649, March 2004.

Sheinman, I. and Goldfeld, Y. 'On the Accuracy of Shell Theories with Regard to the Initial Post-buckling Behavior of Cylindrical Shells', AIAA Journal, Vol. 42, No. 2, pp. 429-432, February 2004

Goldfeld, Y., Sheinman, I. and Baruch, M. 'Imperfection Sensitivity of Conical Shells', AIAA Journal, Vol. 41, No. 3, pp. 517-524, March 2003.

Sheinman, I. and Goldfeld, Y. 'Imperfection Sensitivity of Laminated Cylindrical Shells in Terms of Different Shell Theories', ASCE Journal of Engineering Mechanics, Vol. 129, No. 9, pp. 1048-1053, September 2003.

Sheinman, I. and Goldfeld, Y. 'Buckling of Laminated Cylindrical Shells in Terms of Different Shell Theories and Formulations', AIAA Journal, Vol. 39, No. 9, pp. 1773-1781, September 2001.