



## **Professor Mohammad Ali Kouchakzadeh**

See:

<http://ae.sharif.edu/Faculty-Resume/Kouchakzadeh.php>

Department of Aerospace Engineering  
Sharif University of Technology, Tehran, Iran

### **Education:**

Ph.D. in Aeronautics and Space Engineering,  
Tohoku University, Japan, 2000.

M.Sc. in Aeronautics and Space Engineering,  
Tohoku University, Japan, 1997.

B.Sc. in Mechanical Engineering,  
Sharif University of Technology, Iran, 1992.

### **Research Interests:**

Buckling Analysis of Delaminated Composite Laminates  
Mechanics of Composite Materials  
Aircraft Structures

### **Selected Publications:**

Hu N., H. Fukunaga, H. Sekine and M. A. Kouchakzadeh, "Compressive buckling of laminates with an embedded delamination," *Composites Science and Technology*, Vol 59, No 8, 1999, pp 1247-1260.

Shakouri M., M. A. Kouchakzadeh, "Stability analysis of joined isotropic conical shells under axial compression," *Thin-Walled Structures*, Vol 72, 2013, pp 20-27.

Sekine H., N. Hu and M. A. Kouchakzadeh, "Buckling analysis of elliptically delaminated composite laminates with consideration of partial closure of delamination," *Journal of Composite Materials*, Vol 34, No 7, 2000, pp 551-574.

Kouchakzadeh M. A. and H. Sekine, "Compressive buckling analysis of rectangular composite laminates containing multiple delamination," *Composite Structures*, Vol 50, No 3, 2000, pp 249-255.

Kouchakzadeh M. A., "Effect of delamination on the buckling of composite laminates under in-plane shear load," *Sharif Journal of Science and Technology*, No 26, 2004, pp 58-64. (In persian)

Kouchakzadeh M. A., "Buckling analysis of rectangular laminated composite plates with an edge delamination under compressive load," *Journal of Aerospace Science and Technology (JAST)*, Vol 4, No 1, 2007, pp 1-8.

Haddadpour H., M. A. Kouchakzadeh, F. Shadmehri, "Aeroelastic instability of aircraft composite wings in an incompressible flow," *Composite Structures*, Vol 83, 2008, pp 93-99.

Firouz-Abadi R. D., H. Haddadpour, M. A. Kouchakzadeh, "Free vibrations of composite tanks partially filled with fluid," *Thin-Walled Structures*, Vol 47, 2009, No 12, pp 1567-1574.

Kouchakzadeh M. A., M. Rasekh, H. Haddadpour, "Panel flutter analysis of general laminated composite plates," *Composite Structures*, Vol 92, 2010, No 12, pp 2906-2915.

Entezari A., R. D. Firouz-Abadi, M. A. Kouchakzadeh, "Nonlinear vibration analysis of clamped-clamped composite cylindrical shells," *Aerospace Science and Technology*, Vol 1, 2012, pp 59-70. (In persian)

Shakouri M. and M. A. Kouchakzadeh, "Stability analysis of joined isotropic conical shells under axial compression," *Thin-Walled Structures*, Vol 72, 2013, pp 20-27.

Abediokhchi J., M. A. Kouchakzadeh and M. Shakouri, "Buckling analysis of cross-Ply laminated conical panels using GDQ method," *Composites Part B: Engineering*, Vol 55, 2013, pp 440-446.

Kouchakzadeh M. A. and M. Shakouri, "Free vibration analysis of joined cross-ply laminated conical shells," *International Journal of Mechanical Sciences*, Vol 78, 2014, pp 118-125.

Shakouri, M. and M. A. Kouchakzadeh, "Free vibration analysis of joined conical shells: analytical and experimental study," *Thin Walled Structures*, Vol 85, 2014, pp 350-358.

Shakouri, M., A. Spagnoli and M. A. Kouchakzadeh, "Re-interpreting simultaneous buckling modes of axially compressed isotropic conical shells," *Thin Walled Structures*, Vol 84, 2014, pp 360-368.

Kouchakzadeh M. A. and M. Shakouri, "Analytical solution for axisymmetric buckling of joined conical shells under axial compression," *Structural Engineering and Mechanics*, 2014, Accepted, In Press.

M. Shakouri, H. Sharghi and M.A. Kouchakzadeh, "Torsional buckling of generally laminated conical shell", *Meccanica*, First online 11 April 2016, pp 1-11

H. Sharghi, M. Shakouri and M.A. Kouchakzadeh, "An analytical approach for buckling analysis of generally laminated conical shells under axial compression", *Acta Mechanica*, Vol. 227, No. 4, pp 1181-1198, April 2016