

PUBLICATIONS

I. PAPERS PUBLISHED IN REFEREED INTERNATIONAL JOURNALS

1. P. Khosravi, R. Ganesan, and R. Sedaghati, "An Efficient Facet Shell Element For Corotational Nonlinear Analysis Of Thin And Moderately Thick Laminated Composite Structures", *Computers and Structures, An International Journal*, 2007. Accepted for publication and is in press. Accepted on February 10, 2007.
2. P. Khosravi, R. Sedaghati, and R. Ganesan, "Optimization of Stiffened Panels Considering Geometric Nonlinearity", *Journal of Mechanics of Materials and Structures*, Vol. 2, 2007, pp. 1247 – 1263.
3. R. Ganesan and D. Y. Liu, "Progressive Failure and Post-Buckling Response of Tapered Composite Plates under Uni-Axial Compression", *Journal of Composite Structures*, 2006. Accepted for publication and is in press. Accepted on December 17, 2006.
4. H. Sattari, R. Sedaghati and R. Ganesan, "Analysis And Design Optimization Of Deep Drawing Process. Part II: Optimization", *Journal of Materials Processing Technology*, 2006. Accepted for publication and is in press. Accepted on November 9, 2006.
5. P. Khosravi, R. Sedaghati, and R. Ganesan, "Optimization of Geometrically Nonlinear Thin Shells Subject to Displacement and Stability Constraints", *American Institute of Aeronautics and Astronautics (AIAA) Journal*, Vol. 45, 2007, pp. 684 - 692.
6. A. Zabihollah, R. Ganesan, and R. Sedaghati, "Sensitivity Analysis and Design Optimization of Smart Laminated Beams Using Layerwise Theory", *Journal of Smart Materials and Structures*, 2006. Accepted for publication and is in press. Accepted on September 16, 2006.
7. A. Zabihollah and R. Ganesan, "Buckling Analysis of Tapered Composite Beams using a Higher-order Finite Element Formulation", *Journal of Reinforced Plastics and Composites*. 2006. Accepted for publication and is in press. Accepted on June 12, 2006.
8. P. Khosravi, R. Ganesan and R. Sedaghati, "Corotational Nonlinear Analysis of Thin Plates and Shells Using a New Shell Element", *International Journal For Numerical Methods In Engineering*, Vol. 69(4), 2007, pp. 859-885.
9. R. Ganesan and A. Zabihollah, "Vibration Analysis of Tapered Composite Beams using a Higher-order Finite Element; Part I: Formulation", *Journal of Composite Structures*, Vol. 77, 2007, pp. 306 – 318.
10. R. Ganesan and A. Zabihollah, "Vibration Analysis of Tapered Composite Beams using a Higher-order Finite Element; Part II: Parametric Study", *Journal of Composite Structures*, Vol. 77, 2007, pp. 319 - 330.
11. D. Xu, R. Ganesan and S. V. Hoa, "Buckling Analysis of Tri-axial Woven Fabric Composite Structures Subjected to Biaxial Loading," *Journal of Composite Structures*, Accepted for publication and is in press. 2005. Accepted on July 14, 2005.

12. D. Xu, S. V. Hoa and R. Ganesan, "Buckling Analysis of Tri-axial Woven Fabric Composite Structures. Part II: Parametric Study - Uni Directional Loading," *Journal of Composite Structures*, Vol. 72, 2006, pp. 236 – 253.
13. R. Ganesan and V. K. Kowda, "Free-Vibration Of Composite Beam-Columns With Stochastic Material And Geometric Properties Subjected To Random Axial Loads," *Journal of Reinforced Plastics and Composites*, Vol. 24, 2005, pp. 69 - 91.
14. R. Ganesan and V. K. Kowda, "Buckling Of Composite Beam-Columns With Stochastic Properties," *Journal of Reinforced Plastics and Composites*, Vol. 24, 2005, pp. 513 - 543.
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CONFERENCE PAPERS

PAPERS PRESENTED/PUBLISHED IN REFEREED CONFERENCES

1. A. Zabihollah, R. Ganesan, and R. Sedaghati, "Optimal Vibration Control of Smart Laminated Beams Using Layerwise Theory", The 21st Canadian Congress on Applied Mechanics CANCAM 2007, June 3 – 7, 2007, Toronto, Canada. (F1).
2. P. Khosravi, R. Ganesan, and R. Sedaghati, "Optimality Criteria for Shape Optimization of Thin Plate and Shell Structures", 21st Canadian Congress of Applied Mechanics (CANCAM), June 3-7, 2007, Toronto, Canada. (F1)
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6. P. Khosravi, R. Sedaghati, and R. Ganesan, "Shape optimization of thin-walled structures based on a new shell element and uniform strain energy density criterion". The Eighth International Conference on Computational Structures Technology, September 12-15, 2006, Las Palmas de Gran Canaria, Spain.
7. P. Khosravi, R. Ganesan, and R. Sedaghati, "Limit load analysis of thin geometrically nonlinear structures using a new shell element", 47th AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics, and Materials Conference, May 1 - 4, 2006, Newport, RI, US.
8. A. Zabihollah, R. Sedaghati, and R. Ganesan, "Optimal Vibration Control of Active Laminated Beam using Unimorphic Piezoceramic Elements and LQR Controller", International Workshop on Smart Materials and Structures (CANSIMART 2006), Toronto, October 12-13, 2006.

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