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### Selected Publications:

F. Hussain, M. Hojjati, M. Okamoto and R. E. Gorga, Polymer-matrix nanocomposites, processing, manufacturing, and application: An overview, *J. Compos. Mater.* 40 (17) (2006) 1511–1575.

Hojjati, M. H. and Jafari, S. [2008] "Semi-exact solution of elastic non-uniform thickness and density rotating disks by homotopy perturbation and Adomian decomposition methods. Part I: Elastic solution," *International Journal of Pressure Vessels and Piping* 85, 871–878.

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F. Shadmehri, S. V. Hoa and M. Hojjati, "Bending analysis of cross-ply laminated conical shells," in 24 American Society for Composites (ASC) annual technical conference (First Joint US-Canada Conference on Composites), University of Delaware, September 2009

F. Shadmehri, S. V. Hoa and M. Hojjati, "Effect of displacement field on vibration of cross-ply circular cylindrical shells," in The Canadian Society of Mechanical Engineering (CSME) Conference, University of Victoria, British Columbia, June 2010.

F. Shadmehri, X. Cai, M. Hojjati, J. Chen and S. V. Hoa, "Effect of autoclave process on the quality of thermoplastic cones manufactured using automated fiber placement technique," in The Society for the Advancement of Material and Process Engineering (SAMPE) conference, Long Beach, CA, May 2011.

F. Shadmehri, X. Cai, M. Hojjati, J. Chen and S. V. Hoa, "Determination of Optimal Process Parameters for Manufacturing Thermoplastic Composite Rings by Automated Fiber Placement," in 26 American Society for Composites (ASC) annual technical conference (Second Joint US-Canada Conference on Composites), Montreal, Canada, September 2011

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Legay P, Boukhili R, Hojjati M, Chen J. Impact and compression behaviour of AFP manufactured carbon/epoxy composites containing gaps and overlaps. In: 26th annual technical conference of the American

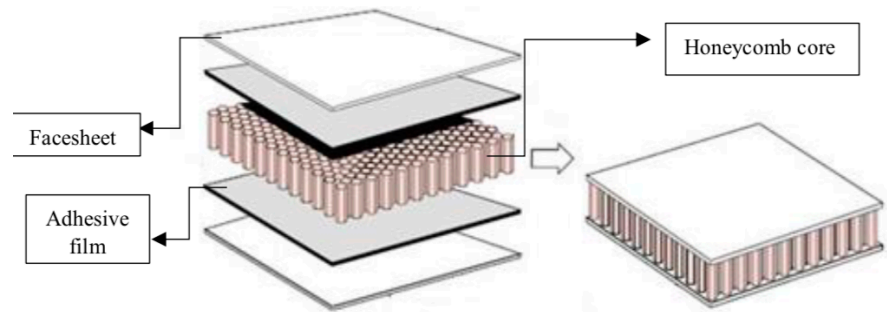


Figure 1: Composite honeycomb sandwich construction [1].

From: Sandesh Rathnavarma Hegde and Mehdi Hojjati, "Effect of thermal cycling on composite honeycomb sandwich structures for space applications", Conference paper, May 2018. (The conference is not identified in the pdf file.)

society for composites and the 2nd joint US-Canada conference on composites. Montreal, Quebec, Canada; 2011. p. 1163–1179.

F. Shadmehri, S. V. Hoa and M. Hojjati, "The effect of displacement field on bending, buckling and vibration of cross-ply circular cylindrical shells," *Mechanics of Advanced Materials and Structures*, vol. In Press., 2012.

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Shadmehri, F., Hoa, S., Hojjati, M., 2014. The effect of displacement field on bending, buckling, and vibration of cross-ply circular cylindrical shells. *Mechanics of Advanced Materials and Structures*, 21(1):14–22.

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Hamidreza Yazdani Sarvestani and Mehdi Hojjati, "Failure analysis of thick composite curved tubes", *Composite Structures*, Vol. 160, pp 1027-1041, January 2017

Hossein Ghayoor, Mohammad Rouhi, Suong V. Hoa and Mehdi Hojjati, "Use of curvilinear fibers for improved bending-induced buckling capacity of elliptical composite cylinders", *International Journal of Solids and Structures*, Vol. 109, pp 112-122, March 2017

H. Yazdani, A.H. Akbarzadeh and M. Hojjati, "Hygro-thermo-mechanical analysis of fiber-steered composite conical panels", *Composite Structures*, Vol. 179, pp 146-160, November 2017

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Nima Bakhshi and Mehdi Hojjati, "Time-dependent wrinkle formation during tow steering in automated fiber placement", *Composites Part B: Engineering*, Vol. 165, pp 586-593, 15 May 2019

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