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Selected Publications:

- M.N. Ghasemi Nejhad and Tus-Wei Chou, "A model for the prediction of compressive strength reduction of composite laminates with molded-in holes", *Journal of Composite Materials*, Vol. 24, March 1990
- M. N. Ghasemi Nejhad, R. D. Cope and S. I. Güçeri, "Thermal analysis of in-situ thermoplastic composite tape laying," *J. Thermoplast. Compos. Mater.*, vol. 4, no. 1, pp. 20-45, May 1991
- M.N. Ghasemi Nejhad, J.W. Gillespie, Jr, and R.D. Cope, "Prediction of process-induced stresses for in-situ thermoplastic filament winding of cylinders", *Proceedings of the Third International Conference on Computer-Aided Design in Composite Material Technology: CADCOMP92*, pp 225-253, 1992
- M. N. Ghasemi Nejhad, "Issues related to processability during the manufacture of thermoplastic composites using on-line consolidation techniques," *J. Thermoplast. Compos. Mater.*, vol. 6, no. 2, pp. 130-146, 1993
- A. Yousefpour and M. N. Ghasemi Nejhad., "Experimental and Computational Study of APC-2/AS4 Thermoplastic Composite C-Rings," *J. Thermoplast. Compos. Mater.*, vol. 14, no. 2, pp. 129-145, 2001
- R.K.H. Ng, A. Yousefpour, M. Uyema and M.N. Ghasemi Nejhad, Design, Analysis, Manufacture, and Test of Shallow Water Pressure Vessels Using E-Glass/Epoxy Woven Composite Material for a Semi-Autonomous Underwater Vehicle, *Journal of Composite Materials* 36/21 (2002) 2443-2478

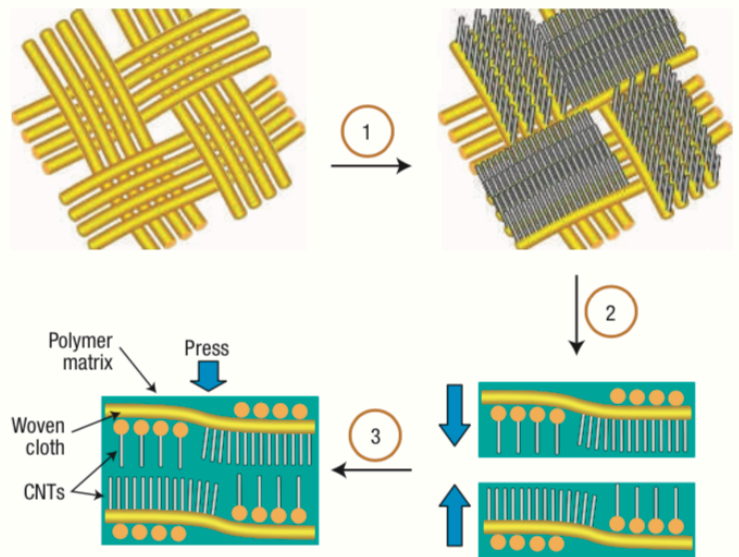


Figure 1 Schematic diagram of the steps involved in the hierarchical nanomanufacturing of a 3D composite. (1) Aligned nanotubes grown on the fibre cloth. (2) Stacking of matrix-infiltrated CNT-grown fibre cloth. (3) 3D nanocomposite plate fabrication by hand lay-up.

From: Veedu V.P., Cao A., Li X., Ma K., Soldano C., Kar S., Ajayan P.M., Ghasemi-Nejhad M.N.: Multifunctional composites using reinforced laminae with carbon-nanotube forests. *Nat. Mater.* 5, 457-462 (2006).

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