



Professor Hamid Nayeb-Hashemi

See:

<https://www.coe.neu.edu/people/nayeb-hashemi-hamid>
<https://scholar.google.com/citations?user=GKaaxJoAAAAJ&hl=en>
https://www.researchgate.net/profile/Hamid_Nayeb-Hashemi
<https://academictree.org/etree/publications.php?pid=381076>

Mechanical and Industrial Engineering; Affiliated Faculty: Bioengineering
Dept. of Mechanical & Industrial Engineering
Northeastern University, Boston, USA

Education:

PhD in Mechanical Engineering, 1982, MIT
MS in Mechanical Engineering, 1979, MIT
BS and MS in Mechanical Engineering, 1975, Tehran University, Iran

Selected Publications:

Vaziri A, Nayeb-Hashemi H, Estekanchi HE. Dynamic response of cracked cylindrical shells with internal pressure. Proceedings of the ASME congress and exposition; 2002.
Vaziri A, Nayeb-Hashemi H, Estekanchi HE. Buckling of the Composite Cracked Cylindrical Shells Subjected to Axial Load. ASME Conference Proceedings 2003;2003:87–93.
Ajdari A, Nayeb-Hashemi H, Vaziri A. 2011 Dynamic crushing and energy absorption of regular, irregular and functionally graded cellular structures. Int. J. Solids Struct. 48, 506–516.
A. Ajdari, B.H. Jahromi, J. Papadopoulos, H. Nayeb-Hashemi, A. Vaziri, “Hierarchical honeycombs with tailorable properties”. International Journal of Solids and Structures, 49 (2012), pp. 1413-1419

R. Oftadeh, B. Haghpanah, J. Papadopoulos, A.M.S. Hamouda, H. Nayeb-Hashemi and A. Vaziri, "Mechanics of anisotropic hierarchical honeycombs", *International Journal of Mechanical Sciences*, Vol. 81, pp 126-136, April 2014

Babak Haghpanah, Jim Papadopoulos, Davood Mousanezhad, Hamid Nayeb-Hashemi and Ashkan Vaziri, "Buckling of regular, chiral and hierarchical honeycombs under a general macroscopic stress state", *Proc. R. Soc. A* 2014 470, 20130856, published 14 May 2014

D. Mousanezhad, R. Ghosh, A. Ajdari, A.M.S. Hamouda, H. Nayeb-Hashemi (1) and A. Vaziri, "Impact resistance and energy absorption of regular and functionally graded hexagonal honeycombs with cell wall material strain hardening", *International Journal of Mechanical Sciences*, Vol. 89, pp 413-422, December 2014

Mahdi Ashrafi, Christopher Japhet Woodsum, Jim Papadopoulos, Abdelmagid S. Hamouda, Hamid Nayeb-Hashemi, Ashkan Vaziri, "In situ strengthening of thin-wall structures using pressurized foam", *Construction and Building Materials*, Vol. 100, pp 298-304, 2015

Hamid Ebrahimi, Ranajay Ghosh, Elsadig Mahdi, Hamid Nayeb-Hashemi and Ashkan Vaziri, "Honeycomb sandwich panels subjected to combined shock and projectile impact", *International Journal of Impact Engineering*, Vol. 95, pp 1-11, September 2016

Hassan Bahaloo, Jim Papadopolus, Ranajay Ghosh and Hamid Nayeb-Hashemi, "Transverse vibration and stability of a functionally graded rotating annular disk with a circumferential crack", *International Journal of Mechanical Sciences*, Vol. 113, pp 26-35, July 2016