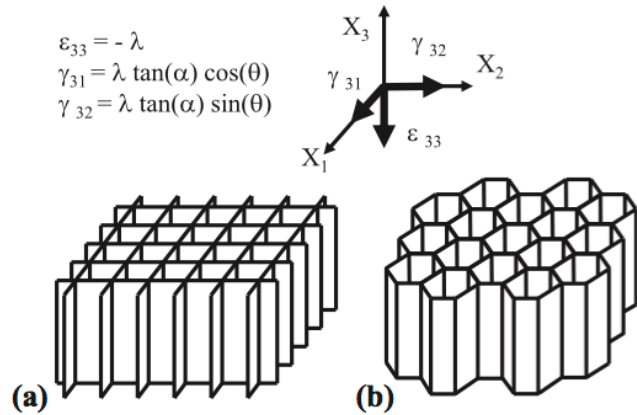




**Professor Emeritus Nicolas Triantafyllidis**



**Fig. 1.** Undeformed configuration of honeycomb investigated here: (a) rectangular and (b) hexagonal. Definitions of the combined compression and shear loading strains shown here are given in Eq. (15).

From: Lopez Jimnez, F., and Triantafyllidis, N. (2013). Buckling of rectangular and hexagonal honeycomb under combined axial compression and transverse shear. *International Journal of Solids and Structures*, 50(24), 3934-3946.

See:

- <http://www.engin.umich.edu/college/about/people/profiles/p-to-t/nicolas-triantafyllidis>
- <http://www.engin.umich.edu/aero/people/files/triantafyllidis-cv>
- <http://imechanica.org/node/8128>
- <http://faculty.petra.ac.id/resmana/private/matlab-c/dept/aero/people/faculty/nick.html>
- [https://scholar.google.com/citations?user=7zN\\_PhAAAAAJ&hl=en](https://scholar.google.com/citations?user=7zN_PhAAAAAJ&hl=en)
- <http://65.54.113.26/Author/53631871/nicolas-triantafyllidis>

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**Current Research:**

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### **Selected Publications:**

- Abeyaratne R, Triantafyllidis N. 1984 An investigation of localization in a porous elastic material using homogenization theory. *J. Appl. Mech.* 51, 481–486
- Triantafyllidis, N. and Kwon, Y.J., 1987, “Thickness Effects on the Stability of Thin Walled Structures” *J. of the Mechanics and Physics of Solids* Vol. 35, pp. 643–674.
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- Triantafyllidis, N. and Schnaidt, W.C. Comparison of microscopic and macroscopic instabilities in a class of two-dimensional periodic composites. *J. Mech. Phys. Solids* (1993) 41:1533-1565.
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