Professor Huaiwei Huang

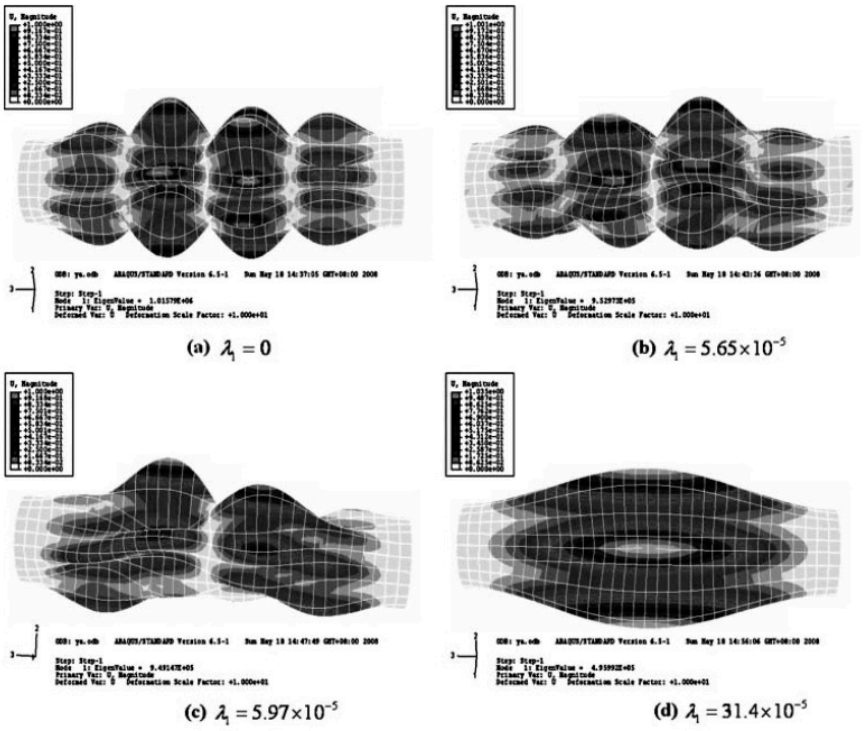

FIG. 6. Buckling modes of FGCSs under ALCC ($N = 1, l = 1m, R = 0.1m, h = 1mm$).

From: Huaiwei Huang, Qiang Han, Nengwen Feng & Xuejun Fan (2011): Buckling of Functionally Graded Cylindrical Shells under Combined Loads, Mechanics of Advanced Materials and Structures, 18:5, 337-346

See:
http://www2.scut.edu.cn/jtxy_en/2015/0729/c10601a96036/pagem.htm

Department of Engineering Mechanics
South China University of Technology (SCUT), Guangzhou, Guangdong, China

Education and Work Experiences:
2011.8: Postdoctoral fellow, Scientific research, Department of Civil Engineering, South China University of Technology, Guangzhou, China.
2009.7: Postgraduate, Doctor, Solid Mechanics, South China University of Technology, Guangzhou, China.
2001.7: Undergraduate, Bachelor, Polymer Science, South China University of Technology, Guangzhou, China.

Research Interests:
Mechanics of composite structures, stability of thin-walled components, buckling of beams, plates and shells;
Mechanics of polymer materials, charactering ductile performances of polymer materials;
Numerical simulation on mechanical behaviors of engineering structures.

Selected Publications:
Huaiwei Huang, Yongqiang Zhang and Qiang Han, “Inelastic buckling of FGM Cylindrical shells subjected to combined axial and torsional loads”, International Journal of Structural Stability and Dynamics, Vol. 17, No. 9, November 2017

Xu GH, Huang HW, Zhang YQ. Vibration of Elastic Functionally Graded Thick Rings. Shock and Vibration. 2017, 2017(2):1-7..
Guanghui Xu, Huaiwei Huang, Biao Chen and Feichao Chen, "Buckling and postbuckling of elastoplastic FGM plates under inplane loads", Composite Structures, Vol. 176, pp 225-233, September 2017
Huang HW, Zhang YQ, Han Q. Stability of hydrostatic-pressured FGM thick rings with material nonlinearity. Applied Mathematical Modelling. 2017,45(5): 55-64.
Huang HW, Han Q. Stability of pressure-loaded functionally graded cylindrical shells with inelastic material properties. Thin-Walled Structures, 2015,92(7):21–28.
Zhang YQ, Huang HW, Han Q. Buckling of elastoplastic functionally graded cylindrical shells under combined compression and pressure. Composites Part B-Engineering, 2015,69(2):120-126.
Huang HW, Han Q. Elastoplastic buckling of axially loaded functionally graded material cylindrical shells. Composite Structures, 2014,117(11): 135-142.
Huaiwei Huang, Biao Chen and Qiang Han, "Investigation on buckling behaviors of elastoplastic functionally graded cylindrical shells subjected to torsional loads", Composite Structures, Vol. 118, pp 234-240, December 2014
Huaiwei Huang, Qiang Han, Nengwen Feng & Xuejun Fan (2011): Buckling of Functionally Graded Cylindrical Shells under Combined Loads, Mechanics of Advanced Materials and Structures, 18:5, 337-346
Huang HW, Han Q, Wei DM. Buckling of FGM cylindrical shells subjected to pure bending load. Composite Structures, 2011, 93 (11): 2945-2952.
Huang HW, Han Q. Buckling behaviors of elastic functionally graded cylindrical shells. Composite Materials in Engineering Structures[M]. Nova Science Publishers, Inc. 2010. (ISBN: 978-1-61761-144-5)
Huang HW, Han Q. Nonlinear dynamic buckling of functionally graded cylindrical shells subjected to time-dependent axial loads. Composite Structures, 2010, 92(2) 593-598.
Huang HW, Han Q. Nonlinear buckling and postbuckling of heated functionally graded cylindrical shells under combined axial compression and radial pressure. International Journal of Non-linear Mechanics 2009, 44(2): 209-218.
Huang HW, Han Q. Nonlinear elastic buckling and postbuckling of axially compressed functionally graded cylindrical shells. International Journal of Mechanical Sciences 2009, 51(7): 500-507.
Huang HW, Han Q. Buckling of imperfect functionally graded cylindrical shells under axial compression. European Journal of Mechanics A/Solids 2008, 27(6): 1026-1036.

Are the following by the same two people?:

Huaiwei, H., and Qiang, H., "Research on Nonlinear Postbuckling of Functionally Graded Cylindrical Shells under Radial Loads", Composite Structures, Vol. 92, pp. 1352–1357, (2010).
Huaiwei, H., and Qiang, H., "Nonlinear Buckling of Torsion-loaded Functionally Graded Cylindrical Shells in Thermal Environment", European Journal of Mechanics A/Solids, Vol. 29, pp. 42–48, (2010)