



**Professor Chyanbin Hwu**



Chyanbin Hwu, Anisotropic elastic plates, Springer, 2010, 673 pages

See:

<http://news-en.secr.ncku.edu.tw/files/16-1083-133862.php?Lang=en>  
<http://www.iaa.ncku.edu.tw/People/Teacher.aspx?Culture=en-us&ID=768>

Chair, Department of Aeronautics and Astronautics  
National Cheng Kung University (NCKU), Taiwan

**Education:**

Ph.D., Department of Engineering Mechanics, University of Illinois, USA 1988  
M.S., Department of Power Mechanical Engineering, National Tsing-Hua University, Taiwan 1985  
B.S., Department of Civil Engineering, National Taiwan University, Taiwan 1981

**Research Interests:**

Mechanics of Composite Materials, Fracture Mechanics, Anisotropic Elasticity, Thermoelasticity, Finite Element Method, Boundary Element Method, Plates and Shells, Composite Sandwich Construction, Structural Stability, Structural Optimization, Smart Materials and Structures

**Honors:**

2006: Fellow, The Society of Theoretical and Applied Mechanics, R.O.C.  
2006: Fellow, The Aeronautical and Astronautical Society, R.O.C.  
2006: Who's Who in Asia  
2005-2007: Distinguished Research Fellow, National Science Council, R.O.C.  
2005: Who's Who in the World  
2002-2004: Outstanding Research Awards, National Science Council, R.O.C.

2001-2006: Outstanding Research Professor, Department of Aeronautics and Astronautics, National Cheng Kung University

2003: Who's Who in Science and Engineering

**Career:**

2008-present: Chair Professor of Department of Aeronautics and Astronautics, National Cheng Kung University, Taiwan, R.O.C.

2003-present: Distinguished Professor of Department of Aeronautics and Astronautics, National Cheng Kung University, Taiwan, R.O.C.

1992-present: Professor of Department of Aeronautics and Astronautics, National Cheng Kung University, Taiwan, R.O.C.

2004-2007: Chairman of Department of Aeronautics and Astronautics, National Cheng Kung University, Taiwan, R.O.C.

2008.6.1 - 9.1: Visiting Professor, Department of Aeronautics and Astronautics, The University of Tokyo, Japan.

2007.12.15 - 2008.2.15: Visiting Professor, School of Aerospace, Mechanical and Mechatronic Engineering, The University of Sydney, Australia.

2007.9.15 - 10.15: Visiting Professor, Department of Mechanical Engineering, Kyoto University, Japan.

2000.7.17 - 9.30: Visiting Professor, Department of Mechanical Sciences and Engineering, Tokyo Institute of Technology, Japan.

1988-1992: Associate Professor of Department of Aeronautics and Astronautics, National Cheng Kung University, Taiwan, R.O.C..

1981-1983; Second Lieutenant Engineering Officer, The Chinese Army, Taiwan, R.O.C.

**Selected Publications:**

**Book:**

Chyanbin Hwu, Anisotropic elastic plates, Springer, 2010, 673 pages

**Journal Articles, etc.:**

Hwu, Chyanbin; and Hu, Jian S.: Buckling and Postbuckling of Delaminated Composite Sandwich Beams. AIAA J., vol. 30, no. 7, July 1992, pp. 1901–1909

Moh, J. S. and Hwu, C., 'Optimization for Buckling of Composite Sandwich Plates', AIAA Journal 35(5), 1997, 863–868.

C.W. Fan, Y.Y. Liu and C. Hwu, Finite Element Simulation for Estimating the Mechanical Properties of Multi-walled Carbon Nanotubes, Appl. Phys. A 95 (2009) 819–831

Chyanbin Hwu, H.W. Hsu and Y.H. Lin, "Free vibration of composite sandwich plates and cylindrical shells", Composite Structures, Vol. 171, pp 528-537, July 2017