



Professor Wai-Fah Chen

See:
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<http://www.worldscientific.com/worldscibooks/10.1142/6517>
<http://www.lehigh.edu/engineering/about/alumni/chen.html>
<https://www.amazon.com/Wai-Fah-Chen/e/B001HPK3FE>
<https://www.crcpress.com/authors/i1876-wai-fah-chen/bio/>
<https://www.nae.edu/30085.aspx>
https://www.goodreads.com/author/list/456955.Wai_Fah_Chen
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https://www.google.com/search?q=wai+fah+chen&tbm=isch&tbo=u&source=univ&sa=X&ved=0ahUKEwjV3q_g44zQAhUP3mMKHUnMBRMQsAQIUA&biw=1107&bih=920

Civil and Environmental Engineering
University of Hawaii at Manoa

Biography:

Dr Wai-Fah Chen — a Chinese-born American academic and widely recognized structural engineering specialist in the field of mechanics, materials, and computing — has certainly led a fascinating life. A well-respected leader in the field of plasticity, structural stability, and structural steel design over the past half-century, he has made major contributions to introduce the mathematical theory of plasticity to civil engineering practice, especially in the application of limit analysis methods to the geotechnical engineering field. Having headed the engineering departments at the University of Hawaii and Purdue University, Chen is a widely cited author and the recipient of several national engineering awards, including the 1990 Shortridge Hardesty Award from the American Society of Civil Engineers and the 2003 Lifetime Achievement Award from the American Institute of Steel Construction.

Areas of Specialty and Research Interests:

Structural analysis, steel and concrete design, soil mechanics, geotechnical engineering, numerical simulation and modeling of civil engineering systems, material science.

Education:

Ph.D., Solid Mechanics, Brown University, 1966.

M.S., Civil Engineering (structures), Lehigh University, 1963.

B.S., Civil Engineering, National Cheng-Kung University, Taiwan, 1959.

Experience:

Dean, College of Engineering, University of Hawaii at Manoa, 1999 – 2006.

Professor, Department of Civil and Environmental Engineering, University of Hawaii at Manoa, 1999 – present.

George E. Goodwin Distinguished Professor of Civil Engineering, Purdue University, 1992-1999.

Head of Structural Engineering, Purdue University, 1980-1999.

Professor of Civil Engineering, Purdue University, 1976-1992.

Visiting Professor, University at Kassel, Germany, summers of 1984 and 1985.

Visiting Professor, Stanford University, 08/83 – 12/83.

Assistant, Associate and Full Professor, Lehigh University, 1966 – 1976.

Consultant, T. Y. Lin International, California; LeTourneau Marine Company, Texas; Exxon Production Research Company, Texas; Karagozian and Case Structural Engineers, California; G. A. Technologies, California; Skidmore, Owings and Merrill, Illinois; World Bank on the Chinese University Development Projects.

Selected Publications:

Chen, W. F. and Ross, D. A., "Axial Strength and Behavior of Cylindrical Columns," Proceedings of 8th Annual Offshore Technology Conference, Houston, Tex., Vol. 3, May 1976, pp. 741-754

Chen, W.F. and Atsuta, T. (1976, 1977). Theory of beam-columns, Vol.1 and 2, McGraw-Hill, New York.

Chen, W.F. and Lui, E.M. (1987). Structural stability, theory and implementation, Elsevier, New York.

Chen, W. F. and Han, D. J. (1987): "Plasticity for Structural Engineers", Springer-Verlag, ISBN 0-387-96711-7.

Yamaguchi, E. and Chen, W-F. 1999. Basic Theory of Plates and Elastic Stability, Structural Engineering Handbook, Boca Raton, CRC Press LLC.

He, Y.; Chen, W.F.; Yu, W.B.; Ouyang, G.; Yang, G.W. Anomalous interface adhesion of graphene membrane. Sci. Rep 2013, 3, 2660.1–2660.6.