

Curriculum Vitae

Name:

Chen Yun-tai

Position or Title:

Professor and Honorary Director

Nationality:

Present: Chinese

Previous: Chinese

Date of Birth:

August 10, 1940

Scientific Field:

Geophysics

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Sex: Male

Profession and Appointment:

Professor and Honorary Director, Institute of Geophysics, China Earthquake Administration.
Dean, School of Earth and Space Sciences, Peking (Beijing) University.

Honors and Degrees:

Honors:

Award of National Congress of Sciences of China, 1978.

National Distinguished Scientist appointed by the National Sciences and Technology Commission of China, 1986.

Medal given by the Luxembourg for scientific achievements and promotion of friendship

between Chinese and Luxembourg people, 1987.

Third Class National Award of Natural Sciences, 1987.

Second Class Award of Progress of Sciences and Technology of the State Seismological Bureau, China, 1983, 1983, 1988.

First Class Award of Progress of Sciences and Technology of the State Seismological Bureau, China, 1998.

Third Class National Award of Progress of Science and Technology of China, 1998.

HLHL Award of Progress of Science and Technology, 2000.

Degrees:

B. Sc., Department of Geophysics, Peking (Beijing) University, Beijing, China, 1962.

Ph. D., Institute of Geophysics, Chinese Academy of Sciences, Beijing, China, 1966.

Membership:

Standing Member, National Committee of China Association for Science and Technology, 2000 to date.

Member, Chinese Academy of Sciences, 1991 to date.

President, Seismological Society of China, 1986-1991, 1995-2000.

Vice Chairman, Earth Sciences Division, Chinese Academy of Sciences, 1997 to date.

Fellow, Academy of Sciences for the Developing World, 1999 to date.

List of 14 Selected Publications:

- [1] Chen Yun-tai, Lin Bang-hui, Lin Zhong-yang and Li Zhi-yong, 1975. The focal mechanism of the 1966 Xingtai earthquake as inferred from the ground deformation observations. *Acta Geophysica Sinica*, **18**(3): 164-182 (in Chinese with English abstract). Also in: Wu, F. T. (ed.), *Chinese Geophysics*, **1**(2) : 263-288, AGU, Washington DC, USA.
- [2] Chen Yun-tai, Huang Li-ren, Lin Bang-hui, Liu Miao-long and Wang Xin-hua, 1979. A dislocation model of the Tangshan earthquake of 1976 from the inversion of geodetic data. *Acta Geophysica Sinica*, **22**(3): 201-217 (in Chinese with English abstract). Also in: Wu, F. T. (ed.), *Chinese Geophysics*, **2**(1) : 11-30, AGU, Washington DC, USA.
- [3] Chen Yun-tai, Gu Hao-ding and Lu Zao-xun, 1979. Variations of gravity before and after the Haicheng earthquake, 1975, and the Tangshan earthquake, 1976. *Phys. Earth Planet. Int.*, **18**(3): 330-338. Also in: *Acta Seismologica Sinica*, **2**(1): 21-31, 1980(in Chinese).
- [4] Fu Cheng-yi, Chen Yun-tai and Qi Gui-zhong, 1985. *Fundamentals of Geophysics*. Beijing: The Scientific Publishing House, 447pp (in Chinese).
- [5] Chen, Y. T. and Knopoff, L., 1986. Static shear crack with a zone of slip-weakening. *Geophys. J. R. astr. Soc.*, **87**(3): 1005-1024.
- [6] Chen, Y. T. and Knopoff, L., 1986. The quasistatic extension of a shear crack in a viscoelastic medium. *Geophys. J. R. astr. Soc.*, **87**(3): 1025-1039.

- [7] Chen, Y. T. and Knopoff, L., 1987. Simulation of earthquake sequences. *Geophys.J. R. astr. Soc.*, **91**(3): 693-709.
- [8] Chen, Y. T., Chen, X. F. and Knopoff, L., 1987. Spontaneous growth and autonomous contraction of a two-dimensional earthquake fault. In: Wesson, R.L. (ed.), *Mechanics of Earthquake Faulting. Tectonophysics*, **144**(1/3): 5-17.
- [9] Chen Yun-tai, Chen Zhang-li and Wang Bi-quan, 1992. Seismological studies of earthquake prediction in China: a review. In: Dragoni, M. and Boschi, E. (eds.), *Earthquake Prediction*. Roma: Il Cigno Galileo Galilei, 71-109.
- [10] Chen, Y. T., Zhou, J. Y. and Ni, J. C., 1991. Inversion of near-source broadband accelerograms for the earthquake source time function. *Tectonophysics*, **197**(1): 89-98.
- [11] Wu, Z. L., Chen, Y. T. and Mu Q. D., 1994. *Nuclear Explosion Seismology: An Outline*. Beijing: Seismological Press, 140pp (in Chinese).
- [12] Chen, Y. T., Xu, L. S., Li, X. and Zhao, M., 1996. Source process of the 1990 Gonghe, China, earthquake and tectonic stress field in the northeastern Qinghai-Xizang (Tibetan) plateau. *PAGEOPH*, **146**(3/4): 697-715.
- [13] Chen, Y. T. and Xu, L. S., 2000. A time domain inversion technique for the tempo-spatial distribution of slip on a finite fault plane with applications to recent large earthquakes in Tibetan Plateau, *Geophys. J. Intl.*, **143**(2): 407-416.
- [14] Xu, L. S., Chen, Y. T., Teng, T. L. and Patau, G., 2002. Temporal and spatial rupture process of the 1999 Chi-Chi earthquake from IRIS and GEOSCOPE long-period waveform data using aftershocks as empirical Green's functions. *Bull. Seism. Soc. Amer.*, **92**(8): 3210-3228.