

Chien-chih Chen

Home Address: No. 40-127, Guoling Village, Jhongli City, Taoyuan County 320, Taiwan (R.O.C.)

Business Address: Department of Earth Sciences and Graduate Institute of Geophysics, National Central University, No. 300, Jung-da Rd., Jhongli City, Taoyuan County 320, Taiwan (R.O.C.)

Phone: +886-3-422-7151 ext. 65653

Fax: +886-3-422-2044

E-mail: s123@sal.gep.ncu.edu.tw; chence@earth.ncu.edu.tw

Education:

Ph.D., Graduate Institute of Geophysics, National Central University, 1998.

B.Sc., Department of Earth Sciences, National Central University, 1994.

Membership:

Member, Chinese Geophysical Society (R.O.C.)

Member, American Geophysical Union

Personal Experience:

Aug 2004 - Present: Associate Professor, Department of Earth Sciences, National Central University

Aug 2001 - Jul 2004: Assistant Professor, Department of Earth Sciences, National Central University

Aug 1999 - Jul 2001: Postdoctoral fellow, Institute of Earth Sciences, Academia Sinica

Aug 1998 - Jul 1999: Instructor, General Physical Laboratory, Department of Physics, National Central University

Feb 1996 - Feb 1998: Assistant, Chinese Geophysical Society

Publications:

- 1 Chen, C.-S., and **Chen, Chien-Chih**, 1997. Geoelectrical surveys of southwestern Taiwan. *TAO*, 8: 443-460.
- 2 **Chen, Chien-Chih**, and Chen, C.-S., 1998. Preliminary result of magnetotelluric soundings in the fold-thrust belt of Taiwan and possible detection of dehydration. *Tectonophysics*, 292: 101-117.
- 3 Chen, C.-S., **Chen, Chien-Chih**, and Chou, K., 1998. Deep electrical structure of Taiwan as inferred from magnetotelluric observations. *TAO*, 9: 51-68.
- 4 **Chen, Chien-Chih**, Chen, C.-S., and Sun, L.-C., 1998. The possible causes of the crustal low resistive zone for the Western Foothills, Taiwan. *TAO*, 9: 279-285.
- 5 **Chen, Chien-Chih**, and Xu, S.-Z., 1999. Comment on 'One-dimensional magnetotelluric inversion using an adaptation of Zohdy's resistivity method' by B.A. Hobbs and C.C. Dumitrescu. *Geophysical Prospecting*, 47: 603-606.
- 6 **Chen, Chien-Chih**, and Chen, C.-S., 2000. Preliminary report on the Sanyi-Puli seismic zone conductivity anomaly and its correlation with velocity structure and seismicity in the Northwestern Taiwan. *Earth, Planets and Space*, 52: 377-381.
- 7 Chen, C.-S., and **Chen, Chien-Chih**, 2000. Magnetotelluric soundings of the source area of the 1999 Chi-Chi earthquake in Taiwan: evidence for fluids at the hypocenter. *TAO*, 11: 679-688.
- 8 **Chen, Chien-Chih**, and Wang, J.-H., 2001. The relation of the Grüneisen parameter to the fractal dimension. *Physica B*, 299: 194-197.
- 9 **Chen, Chien-Chih**, Liu, L.-G., Lin, C.-C., and Yang, Y.-J., 2001. High-pressure phase transition in CaSO₄. *J Phys Chem Solids*, 62: 1293-1298.
- 10 **Chen, Chien-Chih**, Lin, C.-C., Liu, L.-G., Sinogeikin, S.V., and Bass, J.D., 2001. Elasticity of single-crystal calcite and rhodochrosite by Brillouin spectroscopy. *American Mineralogist*, 86: 1525-1529.
- 11 **Chen, Chien-Chih**, and Chen, C.-S., 2002. Sanyi-Puli conductivity anomaly in NW Taiwan and its implication for the tectonics of the 1999 Chi-Chi, Taiwan, earthquake. *Geophys. Res. Letts.*, 29(8), doi: 10.1029/2001GL013890.
- 12 **Chen, Chien-Chih**, Chen, C.-S., and Shieh, C.-F., 2002. Crustal electrical conductors, crustal fluids and 1999 Chi-Chi, Taiwan, earthquake. *TAO*, 13: 367-374.
- 13 Chen, C.-S., and **Chen, Chien-Chih**, 2002. Deep electromagnetic images of conducting zones in the Chi-Chi (Taiwan) earthquake. *Journal of the Chinese Institute of Engineers*, 25: 483-490.
- 14 **Chen, Chien-Chih**, Chang, C.-P., and Chen, K.-S., 2003. Segmented faulting

- process of Chelungpu thrust: Implication of SAR interferograms. *TAO*, 14: 241-247.
- 15 **Chen, Chien-Chih**, 2003. Accelerating seismicity of moderate-size earthquakes before the 1999 Chi-Chi, Taiwan, earthquake: Testing for self-organizing spinodal behavior of earthquakes. *Geophysical Journal International*, 155: F1-F5.
 - 16 **Chen, Chien-Chih**, and Chang, C.-L., 2004. Comment on "Entropy, energy, and proximity to criticality in global earthquake populations" by Ian G. Main and Fahad H. Al-Kindy. *Geophys. Res. Letts.*, 31(6), L06608, doi: 10.1029/2003GL019008.
 - 17 Liu, L.-G., Okamoto, K., Yang, Y.-J., **Chen, Chien-Chih**, and Lin, C.-C., 2004. Elasticity of single-crystal phase D (a dense hydrous magnesium silicate) by Brillouin spectroscopy. *Solid State Communications*, 132: 517-520.