Wen-Jeng Owen Huang

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Professional Experience

- Indiana University, USA
  Geophysics
  Post-doctor Researcher
  September, 2006 to present

- Central Geological Survey, MOEA, Taiwan
  Active Fault Division
  Research Assistant
  August, 1998 to July, 2000

- National Central University, Taiwan
  Department of Earth Science
  Teaching Assistant
  August, 2000 to July, 2002

Education

Ph.D. Geology/Geomechanics, 2006
Purdue University, West Lafayette, Indiana
Dissertation Title: Deformation at the leading edge of thrust faults
GPA: 4.0/4.0

M. S. Geology, 1996
National Taiwan University, Taipei, Taiwan
Thesis Title: The Mechanism of Folding in both Walls of Shuichangliu Fault in the Kuoshing, Central Taiwan

B. S., Earth sciences, 1994
National Central University, Chungli, Taiwan

Research Interest

- Earthquake Deformation and hazards
- Crustal Deformation
- Active Faults and Folds
- Fault-related Structures
- Fracture initiation, propagation and coalescence
- landslides

Professional Qualifications

Certification

Taiwan Government-issued license in Applied Geology, 2000

Awards

Michael C. Gradner Memorial Award, 2004
Earth and Atmospheric eric Sciences, Purdue University

Donald W. Levendowshi Memorial Scholarship, 2003
Department of Earth and Atmospheric Sciences, Purdue University

Affiliations

American Geophysical Union, 2006 to present

Publications

Published

Wen-Jeng Huang, Zih-Yan Chen, Szu Yu Liu, Yen-Hui Lin, Chii-Wen Lin and Hui-Chen Chang, 2000. Surface Deformation Models of the 1999 Chi-Chi Earthquake between Tachiachi and Toupienkenchi, Central Taiwan (in Chinese with English abstract). Central Geological Survey Special Publication No. 12: 63-87.

Chii- Wen Lin Shih –Lu, ***Wen-Jeng Huang***, Tung-Sheng Shih and Hui-Cheng Chang. 2000. The Chi-Chi Earthquake Fault and Structural Analysis of the Area South of Choshuihsi, Central Taiwan (in Chinese with English abstract). Central Geological Survey Special Publication No. 12: 89-111

Wen-Jeng Huang, 2004, Fascinating Reconstruction of Chushan Trench, Taiwan, Geology (Chinese journal), v. 23 No 2, 41-50

In progress

Wen-Jeng Huang and Arvid M. Johnson., Deformation at the leading of faults, Bulletion of the Seismological Soceity of American.

Wen-Jeng Huang and Arvid M. Johnson., Cheng and Yuan-His Lee, Escarpment at the leading edge of the Chi-Chi thrust, Journal of Geophysical Research.

Wen-Jeng Huang, Wen-Shan Chen, and Ming-Lung, Lin, Mechanism of Monocline-like Folding, Journal of Structural Geology.

Wen-Jeng Huang, and Arvid M. Johnson. Analysis of Fault Propagation by J-integral.

Wen-Jeng Huang, Wen-Shan Chen, Lung-Shan Lee, Shih-Tin Lu, and Yuan-Hsi Lee, Faults and Folds at Chshan Trench across Chi-Chi earthquake rupture, Central Taiwan.

Published Conference Proceedings

Wen-Jeng Huang, Kaj M. Johnson, Kuo-En Ching and Ruey-Juin Rau, 2006. Kinematic and Mechanical Models of Interseismic Deformation in Southern Taiwan, AGU, Fall Meet Suppl., Abstract T33D-0539

Arvid M. Johnson and ***Wen-Jeng Huang***, 2006, Deformation Zones along Leading Edges of Thrust Faults. AGU, Fall Meet Suppl., Abstract T32A-04.

Wen-Jeng Huang, Chii-Wen Lin, Tung-Sheng Shih, Shih-Ting Lu, Ruey-Chyuan Shih and Hui-Cheng Chang, 2000. The Survey of Active Faults of Taoyuan Area, Northern Taiwan (in Chinese) pp. 305-307

Shih-Ting Lu, Tung-Sheng Shih, Chii-Win Lin, ***Wen-Jeng Huang***, Chen Hua-Wen, Lee Yuan-His, Zih-Yan Chen, and Hui-Cheng Chang, 2000. The Survey of Active Faults of Hsinshu Area, North Taiwan (in Chinese) pp. 308-310

Reports and Other Contributions

Wen –Jeng Huang , ILTC (I Love Taiwan Club) at Purdue , 2005

Active faults in Taiwan

Wen-Jeng Huang, Department of Geosciences, National Taiwan University, 2005.
Analysis of Fault Propagation by Using J-integral

Wen-Jeng Huang, Department of Earth and Atmospheric Sciences Spring Research Exposition.

- Analysis of Fault Propagation, 2003
- 1999 Chi-Chi Earthquake Rupture at Chushan tench, Central Taiwan, 2004
- Analysis of Fault Propagation by Using Rice's J-integral, 2004