

Name: Ting-Li Lin

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### **Educational Background:**

Degree	Nation	University	Department	Start	Graduation
Ph.D.	U.S.	Univ. of Memphis	Center for Earthquake Research and Information	2004.1	2008.5
M.S.	U.S.	Univ. of Kentucky	Dept. of Earth and Environmental Sciences	2002.1	2003.12
B.S.	Taiwan	National Chung Hsing University	Department of Civil Engineering	1993.9	1997.6

### **Research Experience:**

Research experience				
Nation	Institute	Position	Start	End
Taiwan	Dept. of Geosciences National Taiwan University	Post-doc	2009.8	present
Taiwan	Institute of Seismology National Chung Cheng University	Post-doc	2008.7	2009.7
U.S.	Center for Earthquake Research and Information, University of Memphis	Graduate Research Assistant	2004.1	2008.5
U.S.	Dept. of Earth and Environmental Sciences, University of Kentucky	Graduate Research Assistant	2002.1	2003.12

### **Field work experiences:**

Refraction and reflection geophysical measurements (tens to hundreds of meters)

Construction of seismo-acoustic array

Calibration of seismic sensor

Deployment of shallow borehole seismic sensor

## **Research interests:**

Local seismic wave propagation

Earthquake Seismology

Array observations of local propagating seismic waves

Seismo-acoustic interaction

Infrasound propagation in the atmosphere

Near-surface site structure investigations

## **Publication and Thesis:**

### **a. Journal Articles**

1. Lin, T.-L., and C. A. Langston (2006), Anomalous acoustic signals recorded by the CERI seismic network, *Seismol. Res. Lett.*, 77, 572–581.
2. Lin, T.-L., and C. A. Langston (2007), Infrasound from thunder: A natural seismic source, *Geophys. Res. Lett.*, 34, L14304, doi:10.1029/2007GL030404.  
\*\* This article was selected for *Research Highlights* in the *Nature* v. 448, no. 7153, pp. 514.
3. Woolery, E., T.-L. Lin, Z. Wang, and B. Shi (2008), The Role of Local Soil-Induced Amplification in the 27 July 1980 Northeastern Kentucky Earthquake, *Environmental and Engineering Geoscience*, v. 14, no. 4, pp. 267–280.
4. Lin, T.-L., and C. A. Langston (2009), Thunder-induced ground motions: 1. Observations, *J. Geophys. Res.*, 114, B04303, doi:10.1029/2008JB005769.
5. Lin, T.-L., and C. A. Langston (2009), Thunder-induced ground motions: 2. Site characterization, *J. Geophys. Res.*, 114, B04304, doi:10.1029/2008JB005770.

### **b. Manuscripts under review**

1. Ting-Li Lin, Huey-Chu Huang, and Cheng-Feng Wu, Site Amplification in the Puli Basin, Taiwan, from Earthquake Ground Motions (Revised)
2. Ting-Li Lin, Huey-Chu Huang, and Cheng-Feng Wu, Wave propagation in the Puli Basin, Taiwan, from an explosion source. (Submitted)
3. Yongge Wan, Shuzhong Sheng, Ting-Li Lin, and Yih-Min Wu, An estimation of the absolute stress value for the Landers earthquake source region. (Submitted)
4. Chien-Hsin Chang, Ting-Li Lin<sup>\*</sup>, Yih-Min Wu, and Wen-Yen Chang, Basement imaging using  $S_p$  converted phases from a dense strong-motion array in Lan-Yang Plain, Taiwan. (Submitted)

\* Corresponding author

5. Le Minh Nguyen, Tin-Li Lin<sup>\*</sup>, Yih-Min Wu, Bor-Shouh Huang, Chien-Hsin Chang, Win-Gee Huang, Tu Son Le, and Dinh Van Toan, The first  $M_L$  scale in north of Vietnam. (Submitted)

\* Corresponding author

### **c. Thesis**

1. M.S. thesis, University of Kentucky, December 2003.  
Thesis Title: Local Soil Induced Amplification of Strong Ground Motions in Maysville, Kentucky. Major thesis advisor: Dr. Edward W. Woolery.
2. Ph.D. dissertation, University of Memphis, May 2008.  
Dissertation Title: Infrasonic Induced Ground Motions. Major dissertation advisor: Dr. Charles A. Langston

### **Referees:**

Yih-Min Wu, Department of Geosciences, National Taiwan University, Post-doctoral fellow advisor. E-mail: drymwu@ntu.edu.tw

Charles A. Langston, Center for Earthquake Research and Information (CERI), University of Memphis, Director of CERI; Major Ph.D. dissertation advisor. E-mail: clangstn@memphis.edu

Edward W. Woolery, Department of Earth and Environmental Sciences, University of Kentucky; Major M.S. thesis advisor. E-mail: ewoolery@uky.edu

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