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研究領域：地震學、火山觀測、地體構造

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### [ 學 歷 Education ]

- 1976/9 – 1980/6 : 國立中央大學 地球物理學系 學士  
B.S., Dept. Geophysics, National Central University, Taiwan, ROC
- 1980/9 – 1982/6 : 國立中央大學 地球物理學系 碩士  
M.S., Institute of Geophysics, National Central University, Taiwan, ROC
- 1989/9 – 1993/8 : 美國紐約州 任色列理工學院(RPI) 地球與環境學系 博士  
Ph.D., Dept. Earth & Environmental Sciences, Rensselaer Polytechnic Institute, USA

### [ 經 歷 Experiences ]

- 中央研究院 地球科學研究所 特聘研究員 (2020/9 至今)  
Distinguished Research Fellow, Institute of Earth Sciences, Academia Sinica (2020/9 - present)
- 中央研究院 地球科學研究所 副所長 (2017/5 至今)  
Deputy Director, Institute of Earth Sciences, Academia Sinica (2017/5 - present)
- 中央研究院 地球科學研究所 研究員 (2003/10 至今)  
Research Fellow, Institute of Earth Sciences, Academia Sinica (2013/10 - 2020/9)
- 國立臺灣大學 地質科學系 合聘教授 (2010/9 至今)  
Joint Appointment Professor, Dept. of Geological Sciences, National Taiwan University, Taipei, Taiwan (2010/09 - present)
- 國家實驗研究院 國家地震工程中心 合聘研究員 (2014/9 至今)  
Joint Appointment Research Fellow, National Center for Research on Earthquake Engineering, National Applied Research Laboratories (2014/09 - present)
- 科技部 大屯火山觀測站 主任 (2011/10 至今)  
Director, Taiwan Volcano Observatory at Tatun (TVO), MoST (2011/10 - present)
- 國立台灣師範大學 地球科學系 兼任教授 (2000/2-2020/7)  
Adjunct Professor, Dept. of Earth Sciences, National Taiwan Normal University, Taiwan, ROC (2000/2-2020/7)
- 行政院 中央災害防救委員 (2017/8-2019/7)  
Committee member, Central Disaster Prevention and Response Council, Executive Yuan Taiwan, ROC (2017/8-2019/7)

- 行政院 災害防救專家諮詢委員 (2014/7-2018/6)  
Committee member, Disaster Prevention and Mitigation Expert Advisory Committee, Executive Yuan Taiwan, ROC (2014/7-2018/6)
- 國立中央大學 地球科學系 兼任教授 (2009/9-2016/7)  
Adjunct Associate Professor of Earth Sciences, National Central University, Taiwan, ROC (2009/9-2016/7)
- 科技部 中央政府科技發展計畫審議作業科技政策 智庫委員(2013-2016)  
Committee member, S&T development and policy thinktank, MoST (2013-2016)
- 科技部 地球科學學門 諮議委員 (2012-2014)  
Advisory committee member, Discipline of Earth Science, Department of Natural Sciences and Sustainable Development, MoST (2012-2014)
- 日本北海道大學 火山地震研究所 訪問教授 (2013/7-9)  
Visiting Professor, Institute of Seismology and Volcanology (ISV), Faculty of Science, Hokkaido University (2013/7-9)
- 國科會 台灣地震科學中心(TEC) 主任 (2009/8-2013/7)  
Director of Taiwan Earthquake Research Center (TEC), MoST (2009/8-2013/7)
- 國科會 中央政府科技發展計畫審議作業科技政策 群組委員 (2011-2013)  
Committee member, S&T development and policy, MoST (2011-2013)
- 國科會 地球科學學門 召集人 (2009-2011)  
Chairperson, Discipline of Earth Science, MoST, Taiwan
- 中央研究院 地球科學研究所 副所長 (2008/8-2010/7)  
Deputy Director, Institute of Earth Sciences, Academia Sinica (2008/8-2010/7)
- 中華民國地球科學學會 (CGU) 秘書長 (2005/1-2007/12)  
Secretary General, Chinese Geoscience Union, Taiwan, ROC (2005/1-/2007/12)
- 日本名古屋大學 火山地震研究中心 訪問教授 (2001/12-2002/12)  
Visiting Professor, Earthquake and Volcano Research Center, Nagoya University (2001/12-2002/12)
- 中央研究院 地球科學研究所 副研究員 (1998/5-2003/9)  
Associate Research Fellow, Institute of Earth Sciences, Academia Sinica (1998/5-2003/9)
- 中央研究院 地球科學研究所 助研究員 (1994/5-1998/4)  
Assistant Research Fellow, Institute of Earth Sciences, Academia Sinica (1994/5-1998/04)
- 中央研究院 地球科學研究所 助理研究員 (1985/7-1994/4)  
Research Assistant, Institute of Earth Sciences, Academia Sinica (1985/7-1994/4)

#### [ 榮譽與獎助 ]

- 2018-05-02 : 107 年度中華民國地球物理學會地球物理貢獻獎  
2018 Geophysics Contribution Award from the Geophysical Society of R.O.C. (Taiwan)
- 2016-2018 : 科技部傑出研究獎  
Outstanding Research Award, Ministry of Science and Technology, ROC

- 2010-2012 : 科技部傑出研究獎  
Outstanding Research Award, Ministry of Science and Technology, ROC
- 2005, 2010, 2015 : 中央研究院重要研究成果  
Significant Research Achievements of Academia Sinica
- 2008 : Terr. Atm. Ocean. Sciences 最佳論文獎  
The best article award, Terr. Atm. Ocean. Sciences
- 2007 : 中華民國地球科學學會優良論文  
The best paper award of the Chinese Geosciences Union
- 2004 : 中國地質學會 王漢倬先生學術論文獎章  
Wang's Medal, Geological Society of China
- 2001/04/08-12 : 美國佛羅里達州奧蘭多國家數據中心應邀演講  
Invited lectures at US National Data Center, Orlando, Florida
- 1998 : 中國地球物理學會優良論文獎  
Excellent research paper award of the Chinese Geophysical Society
- 1994 - 2001 : 國科會研究獎勵  
Research Award of the National Science Council, ROC

#### [ 學會會員 ]

- 美國地球物理學會 American Geophysical Union
- 中華民國地質學會 Geological Society Located in Taipei
- 中華民國地球物理學會 Chinese Taipei Geophysical Society

#### [ 著作 ]

##### 期刊論文 (Journal Papers):

- Lin, C. H., Y.H. Yeh and Y.B. Tsai (1985). Determination of regional principal stress directions in Taiwan from fault plane solutions, *Bull. Inst. Earth Sciences, Academia Sinica*, Vol. 5, 67-86.
- Yen, H.Y., Y.H. Yeh and C. H. Lin (1986). Repeat measurement of gravity in Taiwan : Anomalous gravity related with the May 20, 1986 Haulien earthquake, *Bull. Inst. Earth Sciences, Academia Sinica*, Vol. 6, 65-72.
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- Lin, C. H. and S.W. Roecker (1993). Deep earthquakes beneath central Taiwan : Mantle shearing in an arc-continent collision, *Tectonics*, Vol. 12, No. 3, 745-755. (SCI)
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- Lin, C. H. (1996). Crustal structures estimated from arrival differences of the first P-waves in Taiwan , *J. Geol. Soc. China*, Vol. 39, No. 1, 1-12.
- Lin, C. H. and S.W. Roecker (1996). P-wave backazimuth anomalies by a small-aperture seismic array at Pinyon Flat, Southern California : implications for structure and source location, *Bull. Seism. Soc. Am.*, Vol. 86, No. 2, 470-476. (SCI)
- Lin, C. H. and S.W. Roecker (1997). Three-dimensional P-wave velocity structure of the Bear Valley region of central California , *Pure and Applied Geophy.*, Vol. 149, No. 4, 667-688. (SCI)
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- Lin, C. H. (1998). Tectonic implications of an aseismic belt beneath the eastern Central Range of Taiwan: Crust subduction and exhumation, *J. of Geol. Soc. China*, Vol. 41, 441-460.
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- Lin, C. H., 安藤雅孝, 藤井直之, 山岡耕春, 田所敬一 , A.S. Jin, 小原一成, 石田瑞穗 (2003), 深發地震產生月震似的紡錘狀的地震波形：中部地方下地函內存在之散亂源, *地球月刊*, Vol. 25, No. 7, 508-512. (in Japanese)
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- Lin, C. H. and M. Ando (2004), Seismological evidence of simultaneous mountain-building and crust-thickening from the 1999 Taiwan Chi-Chi earthquake (Mw=7.6), *Earth, Planets and Space*, Vol. 56, 163-167. (SCI) ([PDF](#))

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- Lin, C.H. (2004), Investigation of potential magma chambers beneath the Tatun volcanic area: preliminary results of earthquake monitoring, *Bulletin of National Parks*, Vol. 14, No. 2, 103-118. (in Chinese)
- Lin, C.H. (2005), Identification of mantle reflections from a dense linear seismic array: tectonic implications to the Taiwan orogeny, *Geophysical Research Letters* . Vol. 32, No. 6, L06315. (SCI) ([PDF](#))
- Lin, C. H. K. I. Konstantinou, W.T. Liang, H.C. Pu, Y.M. Lin, S.H. You and Y.P. Huang (2005), Preliminary analysis of tectonic earthquakes and volcanoseismic signals recorded at the Tatun volcanic group, northern Taiwan, *Geophysical Research Letters* , Vol. 32, No.10, L10313. (SCI) ([PDF](#))
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- Lin, C.H. (2005), Seismicity increase after the construction of the world's tallest building: An active blind fault beneath the Taipei 101, *Geophysical Research Letters* . Vol. 32, No. 22, L22313. (SCI) ([PDF](#))
- Chen, K.J., B. Chiu and C.H. Lin (2006), A search for a correlation between time change in transfer functions and seismic energy release in northern Taiwan, *Earth, Planets and Space*, Vol. 58, 981-991. (SCI) ([PDF](#))
- Jung, T.K., J.Y. Liu, H.F. Tsai, B.S. Huang, C.H. Lin, S.B. Yu and Y.H. Yeh (2006), Ionospheric disturbances triggered by the Mw 7.6 earthquake off the coast of El Salvador on 13 January 2001, *Terr. Atm. Ocean.*, Vol. 17, No. 2, 345-353 (SCI: 0.96). ([PDF](#))
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- Chen, K.J., Y.R. Ho, B. Chiu, J.S. Wang, R. Sun, and C.H. Lin (2007) Correlation between time change in modulus of short-period geomagnetic variation and seismic energy release in Taiwan, *Terr. Atm. Ocean.*, Vol. 18, No. 3, 577-591.
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- H. C. Pu, C. H. Lin\*, K. L. Wen, T. M. Chang, Y. H. Yeh, and W. Y. Chang (2010), A low velocity zone along the Chaochou Fault of southern Taiwan: seismic image revealed by a linear seismic array, *Terr. Atm. Ocean.*, Vol. 21, No. 5, 781-790. (SCI). \* The corresponding author.
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- Lin, C.H., H. Kumagai, M. Ando and T.C. Shin (2010), Detection of landslides and submarine slumps using broadband seismic networks, *Geophysical Research Letters.*,37, L22309, doi:10.1029/2010GL044685. (SCI).
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