

Curriculum Vitae

Pei-Shan Sonia Lin

Associate Professor and Director
Graduate School of Disaster Management
Central Police University
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EDUCATION

Ph.D. Geography, National Taiwan University, 2013

Dissertation: *Re-explore human-environment relations from social network perspective on natural resource management in indigenous area*

B.S. Geography, National Taiwan University, 2008

Thesis: *Under the sky of Maokong gondola: Local residents' perception of tourism impacts.* (Graduation with Presidential award.)

ACDEMIC WORKING EXPERIENCE

2022.8–pres. Director, Graduate School of Disaster Management, Central Police University (中央警察大學), *Taiwan*.

2020.2–pres. Associate professor, Graduate School of Disaster Management, Central Police University (中央警察大學), *Taiwan*.

2015–2020 Assistant professor, Graduate School of Disaster Management, Central Police University (中央警察大學), *Taiwan*.

2014 Postdoctoral fellow, Department of Geography, National University of Singapore (新加坡國立大學), *Singapore*.

2013.8–2014 Assistant researcher, Taiwan Typhoon and Flood Research Institute, National Applied Research Laboratories (國家實驗研究院), *Taiwan*.

2012 Visiting scholar, Department of Geography, University of Wisconsin-Madison (威斯康辛大學麥迪遜校區), *U.S.A.*

RESEARCH INTERESTS

Disaster risk reduction; social dimensions of environmental change and disaster governance; resilience and adaptation; disaster perception and risk communication; post-disaster recovery; community- and ecosystem-based disaster management; sustainability studies; qualitative methods.

HONER AND AWARDS

Distinguished Academic Research (研究績優), Central Police University, 2021

Overseas Project for Post-Doctoral Research, National Science Council, 2011

FUNDING AND GRANTS (within 5 years)

- 2021.8–2024.7, PI, NSTC, Project title, *Tribe/community resilience based on human-land relationship: Disaster risk reduction and post-disaster recovery via hazard perception*. (110-2625-M-015-007-MY3)
- 2019.8–2021.7, PI, MOST, Project title, *Resilience of indigenous community and the elderly: A Social-ecological systems perspective*. (108-2625-M-015-001, 109-2625-M-015-003)
- 2018.8–2019.7, PI, MOST, Project title, *Social-ecological resilience in an indigenous community's post-disaster recovery*. (107-2625-M-015-001)
- 2017.8–2018.7, PI, M MOST, Project title, *Community-based ecological disaster risk reduction and hazard governance: Building resilience from local social-ecological systems*. (106-2625-M-015-007)
- 2017.1–12, Co-PI, MOST, Project title, *Pilot research project of disaster information integration of central government and local government: Keelung City*.
- 2015.8-2018.7, Co-PI, MOST, Project title, *Constructing the spatial units of vulnerability by the analysis of social-spatial differences: A Case study of rainfall disaster in central Taiwan*. (104-2627-M-018-004-)

ACADEMIC OUTREACH AND SERVICES (HIGHLIGHTS)

- 2023 Grant review committee member, Department of Natural Sciences and Sustainable Development, National Science and Technology Council. (國科會自然科學及永續研究發展處防災科技學門複審委員)
- 2023 Committee member of the Disaster Prevention Education Committee, National Fire Agency, Ministry of the Interior. (消防署消防及災害防救教育委員會委員)
- 2021–23 Committee member of the Disaster Prevention and Protection Experts Consultation Committee of Taichung City. (台中市災害防救專家諮詢委員會專家學者委員)
- 2020–24 Committee member of the Community Building Promotion Committee of Taoyuan City. (桃園市政府社區總體營造推動委員會第三、四屆委員)
- 2020–23 Committee member of the Nuclear Accident Emergency Response Fund Management Committee, Atomic Energy Council, Executive Yuan. (行政院原子能委員會核子事故緊急應變基金管理會第八、九屆委員)
- 2020–22 Researcher at the Research and Development Project for Literacy-oriented Examination (Geography), College Entrance Examination Center. (大學入學考試中心素養導向試題研發工作計畫地理科研究員)
- 2015–pres. Editorial board member of *Disaster Science* (2018–2020, 2023–pres. as Editor-in-chief). (防災科學編輯委員、主編)
- 2020–21 Consulting committee member of the Merging Indigenous Characteristics into Disaster Education Project, Ministry of Education. (教育部推動原住民族地區特色融入防災教育計畫諮詢委員)

SUMMARY OF RESEARCH FIELD

I am a geographer specialized in the social dimensions of disaster governance and environmental change. By covering the four phases of disaster management, my research focuses on disaster risk reduction, resilience and adaptation, disaster perception and risk communication, post-disaster recovery, community- and ecosystem-based disaster governance, and sustainability studies. My educational background combines social and physical sciences. Therefore, I consider the natural aspects while investigating the social aspects of disaster issues to conduct interdisciplinary research.

I have conducted research in marginalized areas with high disaster risk, mainly indigenous tribes and landslide- or flood-prone areas, to learn how social-ecological systems are resiliently intertwined. To understand the social fabric of the disaster risk-brewing process, I have examined the nexus of human-land interactions using qualitative approaches to collect and analyze field data.

PUBLICATION

I have published 27 refereed journal papers, 3 refereed book chapters and 35 conference papers from 2009 to present. Among the refereed journal papers, 7 were published in SSCI/ SCIE journals, and 1 in TSSCI journal.

Refereed journal articles

1. Lin, P.-S.*, Wang, J.-Y. and K, J.-N. (2023) Relationship between a disaster-resistant community project and residents' disaster perceptions, *Journal of Crisis Management (危機管理學刊)*, 20(2): 49-56.
2. Lin, P.-S.*, Chen, Y.-C. and Liou, Y. S. (2023) Older people's vulnerability and evacuation behavior in rural community, *Community Development Journal (社區發展季刊)*, 181: 304-315.
3. Lin, P.-S.*, Du, F.-W. and Lin, C.-H. (2022) Disaster Risk Reduction and Adaptation Behavior of Residents in a Potential Landslide Area: The Experience in Shang-An Village, Nantou County, *Disaster Science (防災科學)*, 7: 19-35.
4. **Lin, P.-S.* and Chen, S.-S. (2022) Social networks for older people's resilient aging-in-place: Lessons from the post-landslide Ksunu tribe in Taiwan, *International Journal of Disaster Risk Reduction*, 82. (SCIE)**
5. Chang, Y.-M. and Lin, P.-S.* (2022) A resilience perspective of post-landslide recovery and livelihood: A Case study of the camping tourism in Ksunu tribe, *Journal of Disaster Management (災害防救科技與管理學刊)*, 11(2): 59-73.
6. Hsu, T.-S. and Lin, P.-S.* (2021) Urban riverside tribes' flood risk perception and resilience: A Case study of Pamatangan in Taoyuan City, *Journal of Disaster Management (災害防救科技與管理學刊)*, 10(2): 1-13.

7. Yang, F.-R. and Lin, P.-S.* (2021) Floods information transmission and evacuation in urban riverside Pamatangan tribe, *Journal of Community Work and Community Studies* (台灣社區工作與社區研究學刊), 11(2): 1-34.
8. Wu, C.-W. and Lin, P.-S.* (2021) Urban riverbank tribal residents' flooding risk and perception of flood control project, *NPUST Humanities and Social Sciences Research* (人文社會科學研究), 15(2): 1-18.
9. Liou, Y.-R. and Lin, P.-S.* (2021) Social capital's features and function in a post-disaster relocated indigenous community: A Case study of the Toe'wana in Alishan, *Journal of Disaster Management* (災害防救科技與管理學刊), 10(1): 1-14.
10. **Lin, P.-S.* and Chang, K.-M. (2020) Metamorphosis from local knowledge to involuted disaster knowledge for disaster governance in a landslide-prone tribal community in Taiwan, *International Journal of Disaster Risk Reduction*, 42. (SCIE)**
11. **Lin, P.-S.* and Lin, W.-C. (2020) Rebuilding relocated tribal communities better via culture: Livelihood and social resilience for disaster risk reduction, *Sustainability*, 12, 4538. (SCIE)**
12. Lin, W.-C. and Lin, P.-S.* (2020) "Build back better" through post-disaster cultural and livelihood recovery: A Case study of tourism development at Poftonga Veoveo, *Journal of Disaster Management* (災害防救科技與管理學刊), 9(2): 19-32.
13. Wang, C.-N. and Lin, P.-S.* (2020) Community's resilience and tribal development in urban riverbanks: Case study of the Saowac in Taoyuan City, *Journal of Community Work and Community Studies* (台灣社區工作與社區研究學刊), 10(2): 135-164.
14. Liou, Y.-R., Wu, G.-M. and Lin, P.-S.* (2020) Landslide leads to different futures: A comparison of disaster perception and adaptation behavior of two indigenous Atayal tribal communities, *Journal of Geographical Research* (地理研究), 72: 35-54.
15. Lin, W.-C. and Lin, P.-S.* (2020) Man-land relationship of tourism development in areas vulnerable to landslides: Disaster risk perception and viewpoints of residents living on family run campsite, *Journal of Disaster Management* (災害防救科技與管理學刊), 9(1): 1-12.
16. **Lin, P. S. (2019) Building resilience through ecosystem restoration and community participation: Post-disaster recovery in coastal island communities, *International Journal of Disaster Risk Reduction*, 39. (SCIE)**
17. Zeng, X.-T. and Lin, P.-S.* (2019) Residents' disaster perception and post-disaster recovery and reconstruction: Case Study of the Songhe tribe and Yabit, *Environment and Worlds* (環境與世界), 33: 1-21.
18. **Song, Y.-L.*, Lin, P.-S. and Tu, J.-Y. (2018) Constructing the spatial units**

- of vulnerability and social resilience by the analysis of social-spatial differences: A Case study of rainfall disaster in central Taiwan, *Journal of Geographical Science (地理學報)*, 89: 1-41. (TSSCI)**
19. Sa'at, N. S. and Lin, P.-S.* (2018) Janus-faced linkages: Understanding external agencies in community-based natural resource management in southern Thailand, *Society and Natural Resources*, 31(7): 773-789. (SSCI)
 20. Hsu, H.-H. and Lin, P.-S.* (2018) Impact of broadcast equipment of disaster warning system and disaster experience on residents' adaptation behavior: Case of Shuangchi Village, Taichung City, *Journal of Disaster Management (災害防救科技與管理學刊)*, 7(1): 113-134.
 21. Du, F.-W. and Lin, P.-S.* (2018) Applying coordination theory in on-site disaster management: A Case study of the search and rescue of Weiguan Jinlong Building, *Journal of Disaster Management (災害防救科技與管理學刊)*, 7(1): 83-112.
 22. Lin, P.-S. (2017) Understanding the solid nature of an island nation: Disaster management in Singapore, *Disaster Science (防災科學)*, 2: 105-124.
 23. Pan, M.-Y., Lin, P.-S.* and Lin, Y.-S. (2016) Review and prospect of resilience studies, *Disaster Science (防災科學)*, 1: 53-78.
 24. Weng, Y.-H. and Lin, P.-S.* (2016) Disaster information transmission and evacuation behavior in an indigenous community, *Disaster Science (防災科學)*, 1: 79-92.
 25. Lin, P.-S.* and Liu, Y.-L. (2016) Niching sustainability in an indigenous community: Protected areas, autonomous initiatives, and negotiating power in natural resource management, *Sustainability Science*, 11: 103-113. (SCIE)
 26. Lin, P.-S.* and Chang, C.-Y. (2011) Toward sustainable community-based natural resource management in the indigenous Meqmeqi community in Taiwan: Rethinking impacts of local participation, *Natural Resource Forum*, 35: 134-144. (SSCI)
 27. Lin, P.-S.* and Chang, C.-Y. (2009) Tourism impacts of gondola lift: A Case study of residents' perception in Maokong Area, Wenshan District, Taipei City, *Bulletin of Geographical Society of China (中國地理學會會刊)*, 43: 33-48.

Refereed book chapters

1. Lin, P.-S. (2015) Ecosystem's role in empowering communities to face global environmental change: Community-based ecological mangrove restoration in Thailand, In: Daniels, J. A. ed. *Advances in Environmental Research* (Volume 40), Nova Science Publishers, USA, pp.175-185.
2. Lin, P.-S. (2014) Bridging indigenous and sustainability sciences together for sustaining resilient landscapes and livelihood in rapidly changing social-

ecological systems, In: Johnson, J. T. ed. *Weaving Indigenous and Sustainability Sciences: Diversifying our Methods*, National Science Foundation, USA.

3. Hsu, H.-C. and Lin, P.-S.* (2013) Building the vulnerable island toward a sustainable Formosa: Adaptation strategies for climate change in Taiwan, pp. 19-28, In: Sheikh, M. M. ed., *Biodiversity and Environmental Issues*, Lambert Academic publishing, Germany.

Conference papers

1. Lin, W. and Lin, P.-S.* (2023) Public participation in flooding governance for community resilience in suburban Taoyuan City, *15th Congress INTERPRAEVENT 2023*, Taichung, Taiwan, 4/17-18.
2. Kao, S.-C. and Lin, P.-S.* (2023) Satoyama Initiative and disaster resilience in a landslide-prone tribal community, *15th Congress INTERPRAEVENT 2023*, Taichung, Taiwan, 4/17-18.
3. Kao, S.-C. and Lin, P.-S.* (2022) Satoyama landscape analysis of indigenous tribal community's resilience: A Case of Alang Tongan, *2022 Conference on Disaster Management*, Taipei, Taiwan, 12/9.

<Awarded at the 2022 Student Paper Competition: Best Paper>

4. Lin, W. and Lin, P.-S.* (2022) Urban flooding governance via public private partnership: A Case study of Shulin Village in Taoyuan City, *2022 Conference on Disaster Management*, Taipei, Taiwan, 12/9.
5. Chi, C.-Y. and Lin, P.-S.* (2022) A Community development-based urban flood risk reduction and resilience building: A Case study of the detention pond in Shulin community, Taoyuan City, *The 26th Forum on Land use and Planning*, Tainan, Taiwan, 4/16.
6. Cheng, Y.-C. and Lin, P.-S.* (2021) A Flood resilience perspective of urban tribes' risk communication and evacuation, *The 25th Forum on Land use and Planning*, Tainan, Taiwan, 4/24.
7. Huang, C.-T. and Lin, P.-S.* (2021) Post-disaster recovery resilience and tourism development in landslide-prone mountainous area inhabited by indigenous tribes, *The 25th Forum on Land use and Planning*, Tainan, Taiwan, 4/24.
8. Hsu, T.-S. and Lin, P.-S.* (2020) Urban riverside tribes' risk perception and resilience: A Case study of Pamatangan, Taoyuan City, *2020 Conference on Disaster Management*, Taipei, Taiwan, 12/1.

<Awarded at the 2020 Student Paper Competition: Best Paper >

9. Liou, Y.-R.* and Lin, P.-S. (2019) Social capital in post-recovery in Toe'uana Community, *2019 Conference on Disaster Management*, Taipei, Taiwan, 11/28.

<Awarded at the 2019 Student Paper Competition: Best Paper>

10. Chen, S.-S., Wu, G.-M., Wang, Y.-P., Chiou, C.-K., Liou, Y.-R. and Lin, P.-S.* (2019) The Relation between residents' hazard perception and post-

disaster adaptation behavior : Comparative study on Atayal Heliu tribe and Ksunu tribe, *2019 Taiwan Geosciences Assembly*, Taipei, Taiwan, 5/16.

11. Lin, W.-C.* and Lin, P.-S. (2019) Social resilience perspective of “build back better” on the culture and livelihoods of the Poftonga Veoveo tribe in post-typhoon Morakot Taiwan, *American Association of Geographers 2019 Annual Meeting*, Washington D.C., 4/3.
12. Hung, S.-M.* and Lin, P.-S. (2019) An actor-network theory analysis of the impact of flood governance policies on the Xizhou tribe in Taiwan, *American Association of Geographers 2019 Annual Meeting*, Washington D.C., 4/6.
13. Lin, W.-C. and Lin, P.-S.* (2018) “Build back better” through culture and tourism development at Poftonga Veove, *2018 Conference on Disaster Management*, Taipei, Taiwan, 11/9.

<Awarded at the 2018 Student Paper Competition: Best Paper>

14. Chen, H.-C., Lin, P.-S.*, Lin, W.-C., Wu, F.-G and Huang, M.-L. (2018) Tourism development in potentially vulnerable landslide areas: A Case study in Mepuwal Village, Miaoli County, *The 26th International Geographical Conference of Taiwan*, Taipei, Taiwan, 5/31-6/2.
15. Chen, C.-S., Lin, P.-S.*, Liou, M.-S., Chang, C.-H. and Tsai, M.-H (2018) Residents’ disaster-prevention migration in potential disaster areas: A Case study of Maibagah Tribe, Miaoli County, *The Geography Society of China Located in Taipei 2018 Annual Meeting*, Kaohsiung, Taiwan, 5/5.
16. Chang, K.-M. and Lin, P.-S.* (2018) Local knowledge for disaster mitigation: Case study of Songhe Tribes, *2018 Conference on Disaster Science and Governance*, Taoyuan, Taiwan, 3/27.
17. Du, F.-W. and Lin, P.-S.* (2017) Applying coordination theory in on-site disaster management: A Case study of the search and rescue of Weiguan Jinlong Building, *2017 Conference on Disaster Science and Governance*, Taoyuan, Taiwan, 5/31.
18. Song, Y.-L.* and Lin, P.-S. (2017) Constructing the spatial units of vulnerability by the analysis of social-spatial differences: A Case study of rainfall disaster in central Taiwan, *The Geography Society of China Located in Taipei 2017 Annual Meeting*, Taipei, Taiwan, 4/29.
19. Kao, R.-L., Lin, P.-S.*, Zeng, X.-Y., Chiou, Y.-L. and Huang, S.-M. (2017) Residents’ disaster perception and reconstruction of post-disaster recovery and relocation: Case study of the Songhe Tribe and Yabit, *The Geography Society of China Located in Taipei 2017 Annual Meeting*, Taipei, Taiwan, 4/29.
20. Huang, P.-T., Lin, P.-S.*, Chang, K.-M. and Su, W.-L. (2017) Relationship between local organization and community resilience in indigenous tribes: Post-disaster recovery of Daquan village after Chi-Chi Earthquake, *The Geography Society of China Located in Taipei 2017 Annual Meeting*, Taipei, Taiwan, 4/29.

21. Chang, C.-W., Lin, P.-S.*, Hsu, H.-H. and Tseng, J.-C. (2017) Impact of disaster experiences and early warning system on residents' hazard perception and adaptation behavior: Case study of Shuangqiu Tribe, Taichung City, *The Geography Society of China Located in Taipei 2017 Annual Meeting*, Taipei, Taiwan, 4/29.
22. Du, F.-W.* and Lin, P.-S. (2016) Application of the United Nations' on-site operations coordination center: A Case study of search and rescue of Weiguan Jinglong Building in the 0206 Meinong Earthquake, *2016 Conference on Disaster Management*, Taipei, Taiwan, 11/4.
23. Song, Y.-L.* , Lin, P.-S. and Tu, J.-Y. (2016) Constructing the spatial unit of vulnerability by the analysis of social-spatial differences: A Case study of rainfall disaster in central Taiwan, *The 37th Asian Conference on Remote Sensing*, Colombo, Sri Lanka, 10/17-21.
24. Lin, P.-S. (2016) From disaster area to protected area: Post-disaster recovery and ecosystem restoration, *The 11th conference on Policing*, Hong Kong, 11/11 °
25. Wang, G.-Y. and Lin, P.-S.* (2016) Disaster-resistant community and residents' perception, *The Geography Society of China Located in Taipei 2016 Annual Meeting*, Taipei, 5/18.
26. Lin, C.-H. and Lin, P.-S.* (2016) Residents and community participation in disaster mitigation: Case study on the public-private partnership in Shang-An village, *The Geography Society of China Located in Taipei 2016 Annual Meeting*, Taipei, 5/18.
27. Weng, Y.-S. and Lin, P.-S.* (2016) Disaster information and evacuation behaviors in indigenous tribe, *The Geography Society of China Located in Taipei 2016 Annual Meeting*, Taipei, 5/18.
28. Chen, Y.-C. and Lin, P.-S.* (2016) Evacuation behavior of the vulnerable groups in rural areas: A Case study of the older people in Shing-Long Village in Nantou County, *The Geography Society of China Located in Taipei 2016 Annual Meeting*, Taipei, 5/18.
29. Lin, P. S. (2015) Climate change adaptation and Community-based natural resource management on the Andaman Coast of Thailand: Tsunami, mangrove restoration and island resilience, *The Third Conference of East Asian Environmental History*, Kagawa, Japan, 10/22-25.
30. Lin, P. S.* and Chang, C. Y. (2013) How social relation works in shaping the environment: A study of the co-evolution of social networks and natural resource management in indigenous community, *The Second Conference of East Asian Environmental History*, Hualien, Taiwan, 10/24-26.
31. Lin, P. S. (2013) Exploring social relations in the planning process of local protected area in indigenous community: A social network perspective on conservation, *International Geographical Union Regional Conference*, Kyoto, Japan, 8/4-9.

32. Lin, P. S. (2011) From landslide to Meqmegi natural-cultural eco-area: Conservation and sustainability in indigenous area, *The 12th Conference of Cross-strait Morphology and Environmental Hazard*, Taipei, Taiwan, 10/16.
33. Lin, P. S.* and Chang, C. Y. (2011) Toward sustainable community-based natural resource management in Taiwan: Rethinking impacts of local participation, *Association of American Geographers Annual Meeting*, Seattle, USA, 04/12-16.
34. Lin, P. S.* and Chang, C. Y. (2010) Local participation in natural resource management - the case of the indigenous Meqmegi community, Taiwan, *International Geographical Union Regional Conference*, Tel Aviv, Israel, 07/12-16.
35. Lin, P. S.* and Chang, C. Y. (2009) Tourism impacts of gondola lift: A case study of residents' perception in Maokong area, Wenshan district, Taipei city, *The Geographical Society of China located in Taiwan Annual Meeting*, Taipei, Taiwan, 04/26.