

PEIWEN LU

Nr. 1, Jinde Rd. 500. Changhua City, Taiwan
+886 972014024
peiwenlu@cc.ncue.edu.tw; b88208035@gmail.com

Summary

Dr. Peiwen Lu is an associate professor in Dept. of Geography, National Changhua University of Education. She has a transdisciplinary training background from geography, architecture, urban design to spatial planning. Her expertise includes planning governance, resilient cities, climate change adaptation, inter/intra national comparison and IoTs participatory mapping. Dr. Lu's recent research focuses mainly on the impact of offshore wind power industry on local communities' development. Through international collaborations and local field investigations in Changhua, she aims to establish an environmental governance framework that promotes fairness and justice from a spatial planning perspective. Since 2017, Dr. Lu has led 11 NSTC's funding projects and has been awarded the Outstanding Research Award and Outstanding Industry-Academia Collaboration Award for six consecutive years at her university.

She also actively participates in government planning practices, including working with National Land Management Agency under the Ministry of the Interior and the Water Resources Agency under the Ministry of Economic Affairs. Her commitment extends to providing scientific decision-making support and research on just transition and marine renewable energy, as seen in her recent collaborative efforts with the Ocean Affairs Council.

Education

PhD. Delft University of Technology (2014)
Master programme of Sustainable Urban Design, Lund University (2009)
Master of Architecture, National Cheng Kung University (2005)
Bachelor of Science, National Taiwan University (2003)

Experience

National Changhua University of Education

Associate professor / 2021-current

Assistant professor / 2017-2021

National Central University

Post-doctoral researcher / 2014-2017

Delft University of Technology

Doctoral researcher / 2009-2014

Guest visiting in Dept. of Environmental Policy, Helmholtz Centre for Environmental Research (UFZ)

Institute of Earth Science, Academia Sinica

Research assistant / 2007-2008

EDS studio

Urban designer / 2005-2007

Awards and Acknowledgements

National Changhua University of Education

Outstanding teaching award (2023)

Outstanding research award (2020)

Outstanding Industry-Academia Collaboration Award (2018, 2019, 2020, 2021, 2022, 2023)
National Science and Technology Council
National Science Council Grant for Research Excellence in Higher Education Institutions (2017-2023)
Ministry of Education
Government scholarship for studying abroad (2009)

Publications

Journal papers

In progress

盧沛文*, 楊盛宇與林妤霏 (審查中). 離岸風電開發與地方回應：彰化海域個案探討. *都市與計畫*

Published

LU, P.* and WANG, C. 2024. Participation beyond a form of urban tactics - Examining contemporary urban spatial development strategies through Taipei PCC's street play activities. *Cities (SSCI)* Volume 150. DOI: <https://doi.org/10.1016/j.cities.2024.105076>

王竣鴻&盧沛文*. 2023. 上街遊戲吧！從還我特色公園行動聯盟兒童街道遊戲檢視當代都市空間發展戰略. *地理研究* 78:111-130

沈揚庭, 盧沛文與李芝瑜. 2022. 發展基於 CDIO 與雙菱形設計模型的建築設計教學法. *科技管理學刊*. 27(3):93-126. (TSCI)

LU, P. *, SHEN Y. T., LIN T. H. 2017. Environmental Risks or Costs? Exploring Flooding and the Urban Heat Island Effect in Planning for Policymaking: A Case Study in the Southern Taiwan Science Park. *Sustainability. (SCI, SSCI)* DOI: <http://dx.doi.org/10.3390/su9122239>

LU, P., SHEN Y. T., LIU G. R. and LIN T. H.* 2017. From science to practices – lessons learned from the TaiCCAT research programme. *Climate services*. DOI: <https://doi.org/10.1016/j.cliser.2017.03.001>

LIU, G. R.* and LU, P. 2017. Would science serve decision-making to adapt the impact of climate change? Introduction to Climate Change Adaptation – scientific evidence, assessment framework and decision-making. *Journal of Terrestrial, Atmospheric and Oceanic Sciences. (SCI)*. DOI: <http://tao.cgu.org.tw/index.php/articles/archive/hydrology/item/1528-2017021501cca>

LU, P. *, HUANG, E. Y-H., LIANG, S. Y. and LIU, G. R. 2017. Examining resilience in local adaptation policies – a pilot study in Taipei and Tainan, Taiwan. *Journal of Terrestrial, Atmospheric and Oceanic Sciences. (SCI)*. DOI: <http://tao.cgu.org.tw/index.php/articles/archive/hydrology/item/1448-2016041701cca>

SHEN, Y. T. * & LU, P. 2017. 以韌性城市概念發展智慧建築皮層的主動調適控制系統 Develop the active adaptation control system of smart building skin based on the notion of resilient city. *建築學報 (TSSCI)*. 99:123-137. DOI: 10.3966/101632122017030099007

Book chapters

In progress

LU, P.* (final editing) Short-Term Disturbances for Long-Term Good: the Stagnation and Transformation of Spatial development in the Changhua Coast under Offshore Wind Power Development. In ESAREY, A., HADDED M. A., LEWIS, J. I. and HARRELL S. (eds), *Learning from East Asia's Renewable Energy Transition*. Seattle: University of Washington Press.

Published

HELLMER E., LIN, Y. T. and LU, P.* 2024. Reinventing invited spaces of citizenship through transgressive participation: Taipei's "Parks for Children by Children" movement. In ROCCO. R. and SILVERSTRE G. (eds) *Insurgent Planning Practice*. Delft: agendapublishing.

Lu, P.*, YANG, S.-Y., & LIN, L. 2023. Tracing the Evolution of Resilience in Planning Practices – a Case Study of Taichung, Taiwan. In D. Mookherjee, G. M. Pomeroy, & L. T. T. Huong (Eds.), *Urban Transformational Landscapes in the City-Hinterlands of Asia: Challenges and Approaches*. Springer. ISBN:978-981-19-8725-0.

SHEN, Y.T.*, LU, P., and LIN, F. C. 2020. The Integration of Web-Based and Mobile-Based Participatory Sensing Interfaces Apply to the Identification and Assessment of Contextual Features in the City. In YAMAMOTO S. and MORI. H. (eds) *Human Interface and the Management of Information. Interacting with Information*. pp. 519–28. Cham: Springer International Publishing (ISBN 978-3-030-50017-7).

Conference papers

LU, P.* 2023. The Stagnation and Transformation of Spatial development in the Changhua Coast under Offshore Wind Power Development. *Learning from East Asia's Renewable Energy Transition*. USA: Asilomar, California

YANG, S. Y. and LU, P.*, 2023. The Power of Nostalgic for Community: Harmony or Conflict? 2023 AAG Annual Meeting. USA: Denver

WANG, C. H. and LU, P.*, 2023. Carto+: using cityprobe in education to examine correlations between WBGT and thermal comfort along the western coast of Taiwan. *INTED2023: 17th annual International Technology, Education and Development Conference Sharing the passion for learning*. Spain: Valencia

王峻鴻&盧沛文*,2023.整合 TCCIP AR5 資料於台灣西部海岸地區環境熱舒適度研究. AR6 新資料說明會暨氣候變遷資料應用研討會. 台北

盧沛文*, 2023.彰濱行動: 地圖服務的環境調查到社會實踐. *教學實踐研究計畫技術實作成果發表*. 高雄

- 黃俐穎&盧沛文*. 2023.以都市形構學視角結合參與式地圖製作建構城市公共空間—臺中舊市區個案探討. *TGIS 2023 台灣地理資訊學會年會暨學術研討會*. 台南
- 盧沛文*. 2022.海線為名：台灣離岸風電開發與其空間影響. *第十四屆發展研究年會*
- LU, P.*. 2022. Short-term disturbances for long-term good: offshore wind power development in Taiwan and its spatial impact. *Powering East Asia: the Challenge of a Renewable Energy Transition international conference*. Banff, Canada
- 盧沛文*&陳芸萱. 2021. 韌性察覺：透過「地點評價」參與式地圖製作評估地方淹水感知. *2021 年第十三屆公共治理國際學術研討會及實務論壇*.
- YANG, S. Y. and LU, P.*, 2021. Territory, the confronted groups' boundary and spatial development: exploring the group relations in the city center of Taichung. *The 11th Asian Seminar in Regional Science*.
- LU, P.* and YANG S. Y., 2021. Challenges of offshore wind power development in Taiwan: a planning perspective. *2021 RGS-IBG Annual International Conference*
- LU, P.*. 2021. Different travel: Policy mobility of the Dutch delta approach in Taiwan. *2021 RGS-IBG Annual International Conference*
- LU, P., KUO, C. M., and YU, P. S.*, 2021. Resilient policymaking for flood risk management: lessons learned from the WRA-NBS research project. *2021 RGS-IBG Annual International Conference*.
- 盧沛文*. 2021. 2010 年代應用荷蘭「三角洲取徑」所建構的政策流動·典範轉移與洪災治理. *2021 年中國地理學會年會暨研討會*.
- 陳芸萱&盧沛文*. 2020. 探討台灣中小企業製造業面對洪災風險之韌性與調適行動—以台南市仁德工業區為例. *IGCT-GSCT Conference Proceeding*.
- LU, P.*, YANG, S. Y. and LIN, L. 2019. How far it reaches? Examining the notion of resilience travelling through the process of planning to practices – two waterfront resilient projects in the central district of Taichung, Taiwan. *The 15th Asian Urbanisation Conference*. Ho Chi Minh City, Vietnam. Award: *Honorable Mention Paper of Students*
- 盧沛文*. 2019. 感知陳有蘭：應用自願性地理資訊於環境風險指認與社會權重評估. *2019 Taiwan Geosciences Assembly (TGA) conference proceeding*.
- LU, P.* 2018. The 'edge' of a resilient city – exploring the impact of new-embedded waterfront projects on urban development in Taichung City, Taiwan. *Global Land Programme 2018 Asia Conference, Taipei, Taiwan*. Award: *IJERPH Award*
- LU, P.*, HUANG, M. J. and SHEN, Y. T., 2018. Learning by dialoguing: understanding planning from the perspectives of urban geography. *2018 Association of European Schools of Planning Annual Congress*. Gothenburg, Sweden.

