Curriculum Vitae

Professor Linlin Li

Affiliation: School of Earth Sciences and Engineering,

Sun Yat-sen University, China

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Education

2009 Ph.D. Department of Hydraulic Engineering, Tsinghua University, China, Advisor: Xiping Yu

2003 BS Department of Environment and Water Conservancy Engineering, Zhengzhou University, China

Work experience

2021.2~ Professor, School of Earth Sciences and Engineering, Sun Yat-Sen University

2019.8~2021.2 Associate Professor, School of Earth Sciences and Engineering, Sun Yat-Sen University

2018.10~ 2019.8 Senior Research Fellow, Civil and Environmental Engineering, National University of Singapore, Advisor: Philip F. Liu

2016.6~ 2018.10 Senior Research Fellow & AXA Postdoctoral Researcher, Earth Observatory of Singapore (EOS), Nanyang Technological University, Advisor: Adam Switzer

2009.9~ 2016.6. Research Fellow, Earth Observatory of Singapore, Nanyang Technological University Advisor: Adam Switzer & Zhenhua Huang

AWARD

The 2016 AXA Fellowship with 130,000€ offered by the AXA Research Fund for a duration of 2 years' research. See details: https://www.axa-research.org/en/projects/linlin-li. The project title is "Probabilistic assessment of multiple coastal flooding hazards in the South China Sea under changing climate".

ACADEMIC AND SOCIETAL SERVICE

Organizer/Convener of international conferences**:**

1. The 10th South China Sea Tsunami Workshop, Singapore, 2018
2. AOGS 2017, IG Session: “Interdisciplinary Research on Tropical Cyclone Induced Coastal Flooding: From Modeling Perspective”
3. AOGS 2018, Hawaii, OS Session: “Coastal Hazards: Impacts of Tropical Storms and Tsunamis” **(Top 10 session in AOGS 2018)**
4. AOGS 2019, Singapore, OS18 Session: “Coastal Hazards: Impacts of Tropical Storms and Tsunamis” **(No. 1 session in AOGS 2019)**
5. AOGS 2021, online, OS Session: “Coastal Hazards: Impacts of Tropical Storms and Tsunamis”
6. AOGS 2022, Online, OS Session: “ Coastal Hazards: Impacts of Tropical Storms and Tsunamis”
7. AOGS 2023, Singapore, OS Session: “Coastal Hazards: Impacts of Tropical Storms and Tsunamis” **(Top 10 session in AOGS 2023)**
8. Co-chair of the 13th South China Sea Tsunami Workshop, Zhuhai, China
9. AOGS 2024, South Korea, main convener of OS Session: “Coastal Hazards: Impacts of Tropical Storms and Tsunamis” **(Top 5 session in AOGS 2024)**

SELECTED PEER-REVIEWED JOURNAL ARTICLES

1. Pend Du, **Linlin Li***, Achim Kopf, Dawei Wang, Kejie Chen, Huabin Shi, Weitao Wang, Xiaoyi Pan, Gui Hu, Peizhen Zhang,Earthquake-induced Submarine Landslides (EQISLs) and a comparison with their Terrestrial Counterparts: Insights from a New Database, *Earth-Science Reviews*, 261, 2025
2. Gui Hu, **Linlin Li***, Kenji Satake, Tso-Ren Wu, Peitao Wang, D.J. Doong, Philip L.-F. Liu, Source characteristics of the 2006 Pingtung earthquake doublet off southern Taiwan and the possible contribution of submarine landslides to the Tsunami, *Earth and Planetary Science Letters,* 2024, 643, 118921
3. **Linlin Li**, Qiang Qiu*, Mai Ye, Dongju Peng, Ya-Ju Hsu, Peitao Wang, Huabin Shi, Kristine M. Larson, Peizhen Zhang, Island-based GNSS-IR network for tsunami detecting and warning, Coastal Engineering, 2024, 190, 104501.

4. Fating Li, **Linlin Li*,** Fengling Yu, Kangyu Huang, Adam D. Switzer, Forward numerical investigation of potential tsunami deposits in the South China sea: A case study of Nan'ao Island. *Marine and Petroleum Geology*, 2024, 160, 106612.
5. Gui Hu, Kenji Satake, **Linlin Li*,** Peng Du, Origins of the Tsunami Following the 2023 Turkey–Syria Earthquake. Geophysical Research Letters, 2023, 50, 18, e2023GL103997
6. Gui Hu, **Linlin Li***, Zhiyuan Ren, Kan Zhang, 2023. The characteristics of the 2022 Tonga volcanic tsunami in the Pacific Ocean. NHESS. 2023, 23, 675–691.
7. **Linlin Li**, Qiang Qiu*, Zhigang Li, Peizhen Zhang. Tsunami hazard assessment in the South China Sea: A review of recent progress and research gaps，*Science China: Earth Sciences*, 2022, 65(5): 783-809.
8. Xiaoyi Pan, **Linlin Li*,** Hồng Phương Nguyễn, Dawei Wang, Adam D. Switzer, Submarine landslides in the West continental slope of the South China Sea and their tsunamigenic potential, Frontiers in Earth Science, 2022, 10, doi.org/10.3389/feart.2022.843173
9. Guihu, Wanpeng Feng*, Yuchen Wang, **Linlin Li*,** Xiaohui He, Çağıl Karakaş,Yunfeng Tian, Source Characteristics and Exacerbated Tsunami Hazard of the 2020 Mw6.9 Samos Earthquake in Eastern Aegean Sea, *Journal of Geophysical Research-Solid Earth*, 2022, 127 (5), e2022JB023961.
10. **Linlin Li*,** Fengyan Shi, Gangfeng Ma, Qiang Qiu, Tsunamigenic potential of Baiyun submarine landslide in the South China Sea. *Journal of Geophysical Research-Solid Earth*, 2019, 124 (8):7680-7698.
11. Jie Yang*, **Linlin Li*,** Kuifeng Zhao, Peitao Wang, Dong Wang, Inmei Sou, Zhengtong Yang, Jie Hu, Xiaochun Tang, Kai Meng Mok, and Philip Li-Fan Liu. A Comparative Study of Typhoon Hato (2017) and Typhoon Mangkhut (2018) – Their Impacts on Macau. *Journal of Geophysical Research-Oceans*, 2019, 124 (12), 9590– 9619.
12. Qiang Qiu, **Linlin Li***, Ya-Ju Hsu, Yu Wang, Chung-Han Chan, Adam D. Switzer, Revised earthquake soures along Manila Trench for tsunami hazard assessment in the South China Sea. *Natural Hazards and Earth System Sciences*, 2019, 19,1565-1583, https://doi.org/10.5194/nhess-19-1565-2019
13. **Linlin Li.***, Yang, J.*, Lin, C.-Y., Chua, C. T., Wang, Y., Zhao, K., Wu, Y.-T., Liu, P. L.-F., Switzer, A. D., Mok, K. M., Wang, P., and Peng, Dongju, Field survey of Typhoon Hato (2017) and a comparison with storm surge modeling in Macau, *Nat. Hazards Earth Syst. Sci.*, 2018, 18(12), 3167-3178, doi:10.5194/nhess-18-3167-2018 **(Highlighted Article)**.

14. **Linlin Li***, A. D. Switzer*, Y. Wang, C.-H. Chan, Q. Qiu, and R. Weiss, A modest 0.5-m rise in sea level will double the tsunami hazard in Macau, *Science Advances*, 2018, 4(8), doi:10.1126/sciadv.aat1180.
15. **Linlin Li,** A. D. Switzer*, C.-H. Chan, Y. Wang, R. Weiss, and Q. Qiu, How heterogeneous coseismic slip affects regional probabilistic tsunami hazard assessment: A case study in the South China Sea, Journal of Geophysical Research: Solid Earth, 2016, 121(8):6250-6272, doi:10.1002/2016JB013111 **(Highlighted in Research Spotlight of *EOS)***.
16. **Linlin Li**, A. D. Switzer*, Y. Wang, R. Weiss, Q. Qiu, C.-H. Chan and P. Tapponnier. "What caused the mysterious eighteenth century tsunami that struck the southwest Taiwan coast?" *Geophysical Research Letters.* 2015, 42(20): 8498-8506.
17. **Linlin Li,** Z. H. Huang*, and Q. Qiu, Numerical simulation of erosion and deposition at the Thailand Khao Lak coast during the 2004 Indian Ocean Tsunami, *Natural Hazards*, 2014, 74: 2251-2277. DOI 10.1007/s11069-014-1301-6.
18. **Linlin Li**, Z.H. Huang*. Modeling the change of beach profile under tsunami waves: a comparison of selected sediment transport models, *Journal of Earthquake and Tsunami*.2013, 7 (1):1-29.
19. **Linlin Li**, Z.H. Huang*, Q. Qiu, D.H. Natawidjaja, K. Sieh. Tsunami-induced coastal change: scenario studies for Painan, West Sumatra, Indonesia, *Earth, Planets and Space*. 2012, 64 :799-816.
20. **Linlin Li,** Q. Qiu, Z.H. Huang*. Numerical modeling of the morphological change in Lhok Nga, west Banda Aceh, during the 2004 Indian Ocean tsunami: Understanding tsunami deposits using a forward modeling method, *Natural Hazards*. 2012, 64 (2):1549-1574.

Invited talks

1. Analysis of recent atypical tsunami source events worldwide and their implications for future tsunami research, **The 1st basic and applied sciences international symposium of tropical and coastal research**. **2024**, Bengkulu, Indonesia.
2. A review of historical and paleo-tsunamigenic earthquakes along the littoral fault zone in the northern South China Sea, **SCSTW12, 2022**, online meeting.
3. How heterogeneous coseismic slip affects regional probabilistic tsunami hazard assessment : a case study in the South China Sea, **AGU 2016**, San Francisco, US
4. Probabilistic tsunami hazard and risk assessment for Macau, **AOGS 2016**, Beijing, China
5. Rising sea level increases tsunami induced flooding hazard : a case study in Macau, South

China Sea, **The 9th South China Sea Tsunami Workshop, 2017**, Qingdao, China.

6. What caused the mysterious eighteenth century tsunami that struck the southwest Taiwan coast ? Invited by **UNESCO/UOC**, **2015**, Xiamen, China