

LU, Weipeng (鲁伟鹏)

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Education Background and Honors

- **The Hong Kong Polytechnical University** **2022.09 - NOW**
Research Postgraduate Student
Teaching assistant in courses of *Big Earth Data and Geospatial AI* and *Remote Sensing Image Processing*
Scholarships:
PolyU Research Postgraduate Scholarship (PRPgS)
- **Central South University** **2019.09 - 2022.06**
M. E. in Surveying and Mapping, **GPA 3.6/4**
Scholarships:
National Scholarship (2020/12, Rank 8/508);
First-class Academic Scholarship (Twice: 2020/10, 2019/10)
Second-class Academic Scholarship (2021/10)
- **China University of Petroleum (East China)** **2015.09 - 2019.06**
B. S. in Surveying and Mapping Engineering, **GPA 87.6/100, Rank 5/51**
Scholarships:
Victory Scholarship (2017/10);
First-class Scholarships for Outstanding Academic Performance (2016/10)
Excellent Graduation Thesis

Publications

- **Lu, W.**, Tao, C., Li, H., Qi, J., & Li, Y. (2022). A unified deep learning framework for urban functional zone extraction based on multi-source heterogeneous data. *Remote Sens. Environ.*, 270, 112830 (**Q1, IF=13.850**)
- Tao, C., **Lu, W.**, Qi, J., & Wang, H. (2020). Spatial information considered network for scene classification. *IEEE Geosci. Remote Sens. Lett.*, 18, 984 – 988 (**Q1, IF=5.343**)
- Tao, C., Qi, J., **Lu, W.**, Wang, H., & Li, H. (2020). Remote sensing image scene classification with self-supervised paradigm under limited labeled samples. *IEEE Geosci. Remote Sens. Lett.*, 1-5 (**Q1, IF=5.343**)
- **Lu, W.**, Tao, C., Qi, J., & Li, H. (2020). Social information fused urban functional zones classification network. *ISPRS Ann. Photogramm. Remote Sens. Spatial Inf. Sci.*, V-3-2020, 263-268 (**EI, Online Oral**)
- **LU, W.**, GUO, J., LI, J., LI, S., & TAO, C. (2022) Urban Functional Zone Classification Based on Object Unit and Transformer Network. *National Remote Sensing Bulletin*, (**EI, abstract in English**)
- **LU, W.**, QI, J., & FENG, H. (2022) Urban functional zone classification based on self-supervised learning: A case study in Beijing, China. *Front. Environ. Sci.*, 10 (**Q2, IF=5.411**)
- Tao, C., Qi, J., Zhang, G., Zhu, Q., **Lu, W.**, Li, H. (2023). TOV: The Original Vision Model for Optical Remote Sensing Image Understanding via Self-Supervised Learning. *IEEE J-STARS*. (**Q1, IF= 4.715**)
- **Lu, W.**, and WENG, Q. Scale Heterogeneity Avoided Dasymetric Mapping for the Gridded Population. No. EGU23-3922. *Copernicus Meetings*, 2023. (**Poster**)d

Academic Competitions (Provincial and Above)

- **Team Leader | The 5th National College Students Surveying and Mapping Skills Competition** **2018.07**
-- Second Place in the Surveying Program Design (2/113); 7th Place in the Overall Score of the Group (7/113)
- **Team Leader | 2018 MCM/ICM** **2018.02**
-- Designated as Honorable Mention

Student work

- Publicity secretary of Surveying and Mapping Class 15-2, UPC 2015.09-2019.06
- Publicity secretary of Geomatics, A WeChat Official Accounts (160,000+ subscriptions) 2016.01-2017.06
- President of Debate Association in School of Geoscience, UPC 2016.09-2017.09
- Monitor of Surveying and Mapping Class 15-2, UPC 2018.09-2019.02
- Youth League branch secretary of Surveying and Mapping Class 19-1, CSU 2019.09-2020.09

Languages and Skills

- **Languages:**

Chinese: Native

English: Fluent (TOEFL iBT 84; My Best Scores 89)

French: Basic

- **Technical Skills:**

Python ★★★★★

MATLAB ★★★★★

C# ★★★

C ★★★

NCRE (Language C, Level 2)