Yongzhe Wang

Associate Professor, Institute of Geophysics, China Earthquake Administration

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Education

- Ph.D., Geodesy and Surveying Engineering, Central South University, Changsha, P. R. China, 9/2007-6/2012
- M.S., Geodesy and Surveying Engineering, JiangXi University of Science and Technology, Ganzhou, P. R. China, 9/2004-6/2007
- College, Surveying Engineering, Southeast University, Nanjing, P. R. China, 9/1999-6/2002

Research Interests

- Space Geodesy: SAR/InSAR, time-series analysis, pixel-offset tracking, GNSS positioning, ionospheric TEC detection
- Geophysics: earthquake cycle deformation, large-scale tectonic deformation

Employment:

- 7/2012-present, Assistant Professor, Associate Professor, Institute of Geophysics, China Earthquake Administration
- 7/2002-8/2004, Survey Engineer, the First Engineering Company of CCCC Fourth Harbor Engineering Co., Ltd

Ph. D Thesis

- Coseismic Deformation Derivation and Source Parameters Inversion Based on InSAR

Responsible Projects

- Special Fund of the Institute of Geophysics, China Earthquake Administration, Grant Number: DQJB22Z01, The Fault Detailed Motion of Strong Earthquake Danger Area in Anninghe Fault Zone, 3/2022-2/2023, RMB 295000.00 Yuan, under research
- Special Fund of the Institute of Geophysics, China Earthquake Administration, Grant Number: DQJB22Z02, Present-day Crustal Deformation Characteristics of The Eastern Himalayan Syntaxis and Its Adjacent Areas, 3/2022-2/2023, RMB 280000.00 Yuan, under research
- Special Fund of the Institute of Geophysics, China Earthquake Administration, Grant Number: DQJB20B18, The Locking-segmental Differences of The Xiaojiang Fault Zone Using Continuous GPS Observations, 6/2020-5/2023, RMB 788000.00 Yuan, under research
- Special Fund of the Institute of Geophysics, China Earthquake Administration, Grant Number: DQJB16B05, Observation and Research of Northern Part Xiaojiang Fault Zone Using GPS and Broadband, 10/2016-10/2018, RMB 2541000.00 Yuan, Closing
- Japan Aerospace Exploration Agency (JAXA) Satellite Project Research, Grant Number: 3125, Locking Differences between Different Sections along Xiaojiang Fault Zone Revealed by InSAR Time series Analysis, 9/2015-1/2019, Closing

- Special Fund of the Institute of Geophysics, China Earthquake Administration, Grant Number: DQJB12B23, Obtainment of InSAR Deformation and Key Problems in the Inversion of Coseismic Slip Distribution——The 2011 Tohoku, Japan Earthquake, 12/2012-11/2013, RMB 103000.00 Yuan, Closing

Publications in Last Five Years

- **Yongzhe Wang**, Kun Chen*, Ying Shi, Xu Zhang, Shi Chen, Ping'en Li, and Donghua Lu (2021), Source Model and Simulated Strong Ground Motion of the 2021 Yangbi, China Shallow Earthquake Constrained by InSAR Observations, Remote Sensing, 13(20). https://doi.org/10.3390/rs13204138. (IF=5.349, Q1)
- Aiyu Zhu, **Yongzhe Wang***, Yonghua Li, Dongning Zhang. (2021), Numerical Simulation on The Mechanism of The Madoi, Qinghai Ms7.4 Earthquake Constrained by InSAR Deformation. Chinese Journal of Geophysics (in Chinese), 64(12): 4548-4561, https://doi.org/10.6038/cjg2021P0452. (IF=1.059, Q4)
- Xu Zhang*, Wanpeng Feng, Hailin Du, Lu Li, Shuai Wang, Lei Yi, and **Yongzhe Wang** (2020), The 2018 Mw 7.5 Papua New Guinea earthquake: A dissipative and cascading rupture process, Geophysical Research Letters. https://doi.org/10.1029/2020gl089271. (IF=5.576, Q1)
- Kun Chen*, Yanxiang Yu, Zongchao Li, **Yongzhe Wang**, and Xijie Feng (2020), ShakeMap modelling for the 1568 Shaanxi Gaoling Earthquake, China, International Journal of Disaster Risk Reduction, 44. https://doi.org/10.1016/j.ijdrr.2019.101416. (IF=4.842, Q1)
- **Yongzhe Wang***, Wanpeng Feng, Kun Chen, and Sergey Samsonov (2019), Source Characteristics of the 28 September 2018 Mw 7.4 Palu, Indonesia, Earthquake Derived from the Advanced Land Observation Satellite 2 Data, Remote Sensing, 11(17). https://doi.org/10.3390/rs11171999. (IF=5.349, Q1)
- Zhen Fu, Lisheng Xu*, and **Yongzhe Wang** (2019), Seismic Risk on the Northern Xiaojiang Fault Implied by the Latest and Nearest GPS Observations, Pure and Applied Geophysics. https://doi.org/10.1007/s00024-019-02347-5. (IF=2.641, Q3)

Teaching

- Doctoral Program: GNSS Data Process and Its Applications in Earthquake