Zhangyu Sun **Curriculum Vitae**

Date of birth: 1996.06.12 Gender: Male
Native place: Hubei Folk: Han
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Education

PhD in Earth and Atmosphere Science, The Chinese University of Hong Kong, China	2021-
M.Sc. in Geodesy and Survey Engineering, Wuhan University, China	2020-2021
M.Sc. in ESPACE, Technical University of Munich, Germany	2019-2020
M.Sc. in Geodesy and Survey Engineering, Wuhan University, China	2018-2019
B.Sc. in Navigation Engineering, Wuhan University, China (GPA: 3.89/4.0)	2014-2018

Honors and Awards

Hong Kong PhD Fellowship Schemes	2021
National Graduate Scholarship	2019
Leijun Scholarship	2019
Nomination Award of Top Ten Academic Stars of Wuhan University	2019
Yuequn Academic Stars of School of Geodesy and Geomatics	2019
Outstanding Graduate Student	2019
First Prize of Excellent Academic Scholarship	2019
Outstanding Undergraduate	2018
Excellent Bachelor's Degree Thesis of Wuhan University	2018
Lei Jun Scholarship	2017
Outstanding Undergraduate Student Model	2016-2017
Yu Gang Song Xiao Scholarship	2016
National Scholarship	2015
Wuhan University Class A Scholarship	2015-2017

Publications

1. **Sun, Z.**, Zhang, B., & Yao, Y. (2021). Improving the Estimation of Weighted Mean Temperature in China Using Machine Learning Methods. Remote Sensing, 13(5), 1016.
2. Li, J., Zhang, B., Yao, Y., Liu, L., **Sun, Z.**, & Yan, X. (2020). A Refined Regional Model for Estimating Pressure, Temperature, and Water Vapor Pressure for Geodetic Applications in China. Remote Sensing, 12(11), 1713.

3. **Sun, Z.**, Zhang, B., & Yao, Y. (2019). An ERA5-based model for estimating tropospheric delay and weighted mean temperature over China with improved spatiotemporal resolutions. Earth and Space Science, 6(10), 1926-1941.
4. **Sun, Z.**, Zhang, B., & Yao, Y. (2019). A global model for estimating tropospheric delay and weighted mean temperature developed with atmospheric reanalysis data from 1979 to 2017. Remote Sensing, 11(16), 1893.
5. Yao, Y., **Sun, Z.**, & Xu, C. (2018). Establishment and Evaluation of a New Meteorological Observation-Based Grid Model for Estimating Zenith Wet Delay in Ground-Based Global Navigation Satellite System (GNSS). Remote Sensing, 10(11), 1718.
6. Yao, Y., **Sun, Z.**, Xu, C., Zhang, L., & Wan, Y. (2018). Development and Assessment of the Atmospheric Pressure Vertical Correction Model With ERA-Interim and Radiosonde Data. Earth and Space Science, 5(11), 777-789.
7. Yao, Y., **Sun, Z.**, Xu, C., Xu, X., & Kong, J. (2018). Extending a model for water vapor sounding by ground-based GNSS in the vertical direction. Journal of Atmospheric and Solar-Terrestrial Physics, 179, 358-366.

English Skills

TOEFL (2020.07.18) Total Score: 100, Reading: 26, Listening: 26, Speaking: 22, Writing: 26

Computer Skills

C, C++, C#, Python, MATLAB