# 陈文进

## 简历

男，汉，1987 年 2 生，湖北黄梅，博士,讲师，硕导。

## 教育及工作经历：

2018.08-至今　　南京工业大学，测绘科学与技术学院，讲师

2013.09-2017.12　武汉大学，大地测量学与测量工程，　博士

其中：2015.09-2017.09 受国家留学基金委资助公派赴意大利 Università Degli Studi Di Trieste 博士联合培养

2015.07-2015.08　北京语言大学，国家公派小语种培训，意大利语

2011.09-2013.07　武汉大学，大地测量学与测量工程，　硕士

2007.09-2011.07　东华理工大学，　测绘工程，　本科

## 研究方向：

卫星大地测量学、物理大地测量学、人工智能等

## 主要科研经历、成果

1、国家自然科学基金青年基金，41904002，联合多源数据反演全球及区域 Moho 面深度，2020.01.01-2022.12.31，26 万（主持）

2、江苏省自然科学基金青年基金，BK20190691，Moho 面深度反演的关键技术与方法，2019.07.01-2022.06.30，20 万（主持）

## 代表性学术论文和著作

1. **陈文进[著],** 重力反演莫霍面的理论与方法. 武汉：中国地质大学出版社，2020.
2. ***陈文进*** (2020). 基于卫星重力场模型反演全球及区域 Moho 面深度[J]. ***测绘学报***, 49(4): 536 (**EI**)
3. ***Chen, W***., & Tenzer, R. (2020). Reformulation of Parker–Oldenburg's method for Earth's spherical approximation. ***Geophysical Journal International***, 222(2), 1046-1073. **(SCI)**
4. ***Chen, W***., & Tenzer, R. (2019). The application of a gravimetric forward modelling of the lithospheric structure for an estimate of the average density of the upper asthenosphere. ***Geodesy and Geodynamics***, 10(4), 265-275.
5. ***Chen, W***., Braitenberg, C., & Serpelloni, E. (2018). Interference of tectonic signals in subsurface hydrologic monitoring through gravity and GPS due to mountain building. ***Global and Planetary Change***, 167, 148-159. **(SCI)**
6. ***Chen, W***., Tenzer, R., Li, H.L. (2018). A regional gravimetric Moho recovery under Tibet using gravitational potential data from a satellite global model. ***Studia Geophysica et Geodaetica***, DOI: 10.1007/s11200-017-0812-5 **(SCI)**
7. ***Chen, W***. (2017). Determination of crustal thickness under Tibet from gravity-gradient data.

***Journal of Asian Earth Sciences,*** (143), 315-325. **(SCI)**

8. ***Chen, W.***, & Tenzer, R. (2017). Moho Modeling Using FFT Technique. ***Pure and Applied Geophysics***, 4(174), 1743-1757. DOI: 10.1007/s00024-017-1503-4 **(SCI)**

9. ***Chen, W.***, & Tenzer, R. (2017). Moho modelling in spatial domain: a case study under Tibet. ***Advances in Space Research***, 12(59), 2855-2869. DOI: 10.1016/j.asr.2017.03.015 **(SCI)**

10. ***Chen, W.***, Tenzer, R., Gu, X. (2014). Sediment Stripping Correction to Marine Gravity Data. ***Marine Geodesy***, 37 (4), pp. 419-439. DOI: 10.1080/01490419.2014.932870 **(SCI)**

11. ***Chen, W***., & Tenzer, R. (2014). Harmonic coefficients of the Earth's Spectral Crustal Model 180 - ESCM180. ***Earth Science Informatics***, pp. 1-13. DOI: 10.1007/s12145-014-0155-5 **(SCI)**

12. R. Tenzer and ***Chen, W***. (2019) Mantle and sub-lithosphere mantle gravity maps from the LITHO1.0 global lithospheric model, **Earth-Science Reviews**, https://doi.org/10.1016/j.earscirev.2019.05.001 **(SCI)**

13. Tenzer, R., ***Chen, W***., Baranov, A. and Bagherbandi, M (2018) Gravity maps of Antarctic lithospheric structure from remote-sensing and seismic data. ***Pure and Applied Geophysics***, **(SCI)**

14. Tenzer, R., ***Chen, W***., Tsoulis, D., Bagherbandi, M., Sjöberg, L.E., Novák, P., Jin, S. Analysis of the Refined CRUST1.0 Crustal Model and its Gravity Field (2015) ***Surveys in Geophysics***, 36 (1), pp. 139-165. DOI: 10.1007/s10712-014-9299-6 **(SCI)**

15. Tenzer, R., ***Chen, W***., Jin, S. Effect of Upper Mantle Density Structure on Moho Geometry (2015) ***Pure and Applied Geophysics***, 172 (6), pp. 1563-1583. DOI: 10.1007/s00024-014-0960-2 **(SCI)**

16. Tenzer, R., ***Chen, W***., Ye, Z. Empirical model of the gravitational field generated by the oceanic lithosphere(2015) ***Advances in Space Research***, 55 (1), pp. 72-82. DOI: 10.1016/j.asr.2014.09.023 **(SCI)**

17. Tenzer, R., ***Chen, W***. Expressions for the Global Gravimetric Moho Modeling in Spectral Domain (2014) ***Pure and Applied Geophysics***, 171 (8), pp. 1877-1896. DOI: 10.1007/s00024-013-0740-4 **(SCI)**

18. Tenzer, R., ***Chen, W***. Regional gravity inversion of crustal thickness beneath the Tibetan plateau (2014) ***Earth Science Informatics***, 7 (4), pp. 265-276. DOI: 10.1007/s12145-014-0146-6 **(SCI)**

19. Tenzer, R., Bagherbandi, M., ***Chen, W***., Sjöberg, L. E. Global Isostatic Gravity Maps From Satellite Missions and Their Applications in the Lithospheric Structure Studies(2016) ***IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing***. DOI: 10.1109/JSTARS.2016.2556219. **(SCI)**

20. Bin Wang, Chao Liu, Xing Fang, ***Wenjin Chen*** (2020) A universally efficient algorithm and precision assessment for seamless 3D similarity transformation. ***Measurement Science and Technology*** (**SCI**)

21. Tenzer, R., ***Chen, W***. Gravimetric forward and inverse modelling methods of the crustal density structures and the crust-mantle interface (2015) Planetary Exploration and Science: Recent Results and Advances, pp. 61-75. DOI: 10.1007/978-3-662-45052-9_4

22. Tenzer R, ***Chen W*** (2014) Global gravimetric recovery of the Moho density contrast. In: Conference Proceedings (Ed.: Pandian MS): 3nd Annual International Conference on Geological & Earth Sciences (GEOS 2014), Global Science and Technology Forum. DOI:10.5176/2251-3353_GEOS14.21

**23.** Tenzer, R., ***Chen, W***. Generalized compensation model for the gravimetric Moho recovery (2014) Proceedings of the 16th International Association for Mathematical Geosciences - Geostatistical and Geospatial Approaches for the Characterization of Natural Resources in the Environment: Challenges, Processes and Strategies, IAMG 2014, pp. 351-353.

## 教学情况

《大地测量学基础》、《空间大地测量学》、《测量程序设计》等

## 招生及领域及方向

大地测量学与测量工程

## 联系方式

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