

## Academic Staff Resume

Name: Min Ding  
Title: Assistant Professor  
Dept. SKLplanet

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### Academic Qualification:

Ph.D. in MIT/WHOI Joint Program  
Bachelor in USTC

### Teaching Area

Geodynamics  
Geophysics  
Finite Element Method in Geodynamics  
Statistics and Machine Learning

### Research Area

Lithospheric Dynamics  
Planetary Gravity  
Fault Formation and Earthquake Physics

### Working Experience

2019–Present: Macau University of Science and Technology, Assistant Professor

2017 – 2019: Peking University, Postdoc

2016 – 2017: South China Sea Institute of Oceanology, Visiting Scholar

2015 – 2016: Massachusetts Institute of Technology, Postdoc

### Research Projects

China Natural Science Foundation (CNSF) Young Scientists Fund (41806067), Influence of subduction zone type on seamount subduction dynamics, 2018–2020

Open Fund of CAS Key Laboratory of Marginal and Oceanic Geology (OMG18–02), Origin of the Shatsky Rise based on Geophysical Data, 2018–2020

Student Research Funds, WHOI Coastal Ocean Institute, for field research in Chile, 2011

### Professional Certification and Awards

Boxin Postdoctoral Fellowship, Peking University, 2017

Kaufman Teaching Certificate Program (MIT), 2016

Deep Ocean Exploration Institute (DOEI) Graduate Student Fellowship, WHOI, 2012

### Professional Society Membership

Journal Reviewer for EPSL, SRL, etc.

American Geophysical Union, Member

Community Building Committee Co-chair, MIT Postdoctoral Association, 2016

Secretary, Upper Cape Toastmasters club, 2013

#### Academic Publication

##### Journal Articles:

Ding, M., Soderblom, J. M., Bierson, C. J., Nimmo, F., Milbury, C., & Zuber, M. T. (2018). Constraints on lunar crustal porosity from the gravitational signature of impact craters. *J. Geophys. Res. Planets*, 123. <https://doi.org/10.1029/2018JE005654>

Zhang, T., Chen, Y., Ding, M., Shen, Z., Yang, Y., & Guan, Q. (2018). Air-temperature control on diurnal variations in microseismicity at Laohugou Glacier No. 12, Qilian Mountains. *Annals of Glaciology*, 1–12. <https://doi.org/10.1017/aog.2018.34>

Ding, M., & Lin, J. (2016). Deformation and faulting of subduction overriding plate caused by a subducted seamount. *Geophys. Res. Lett.*, 2016GL069785. <https://doi.org/10.1002/2016GL069785>

Ding, M., & Lin, J. (2014). Post-seismic viscoelastic deformation and stress transfer after the 1960 M9.5 Valdivia, Chile earthquake: effects on the 2010 M8.8 Maule, Chile earthquake. *Geophys. J. Int.*, ggu048. <https://doi.org/10.1093/gji/ggu048>

##### Books & Book Chapters:

Ding, M., & Zhang, N. (2018). Early geologic history of the Moon. In *Encyclopedia of Lunar Science* (pp. 1–8). Springer, Cham. [https://doi.org/10.1007/978-3-319-05546-6\\_8-1](https://doi.org/10.1007/978-3-319-05546-6_8-1)

Encyclopedia of China, Third Edition, Geophysical Terms (2018)

##### Conference Papers:

Ding, M., Lunar porosity variations based on crater gravity signatures, Annual Meeting of Chinese Geoscience Union, Beijing, China, October 2018

Ding, M., J. M. Soderblom, M. T. Zuber, C. J. Bierson, F. Nimmo, and C. Milbury, Target porosity controls crater residual Bouguer anomaly in the lunar highlands, 47th LPSC conference, Woodlands, Texas, US, March 2016 (microblogger)

Ding, M., J. Lin, and M. T. Zuber, Variations in crustal structure, lithospheric flexural strength, and isostatic compensation mechanisms of Mars, P51E-3991, San Francisco, CA, US, December 2014

Ding, M., and J. Lin, Elastoplastic deformation in a wedge-shaped plate caused by a subducting seamount, COMSOL Conference, Boston, Massachusetts, US, Oct. 2012

Ding, M., and J. Lin, Post-seismic deformation and stress changes following the 1960 M9.5 Valdivia Chile earthquake: Implications for its relationship with the 2010 M8.8 Offshore Bio-Bio, Chile earthquake, Deep-Sea Research and Earth System Science Symposium, Shanghai, China, July

Ding, M., and J. Lin, Effects of a subducting seamount on the overriding plate deformation and faulting, AGU Fall Meeting, Abstract T11A-2530, San Francisco, California, US, December 2012