Curriculum Vitae

Jing Chen
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Personal Information Born on 16 March, 1994 in Hubei Province, P.R. China.

Education Experience

- Regular positions
  - Department of Mathematical Sciences, Tsinghua University *Aug. 2016 - present*
    - Ph. D. Candidate in Applied Mathematics.
    - Advisor: Associate Prof. Hao Wu
  - B. S. in Mathematics, Tsinghua University *Jul. 2016*
- Visiting positions
  - Visiting Ph.D Student in GFZ (German Research Centre for Geosciences) *Sept. 2018 - Aug. 2019*

Research Interests

- Inversion Theory in Seismology
- Optimal Transport Problems
- Simulation of Wave Propagation

Academic Activities

- Conference Speeches and Posters

  [1] *The European Geosciences Union General Assembly 2019*, Vienna, Austria, April, 2019. **(poster presentation)**

  [2] *Phd Day 2019 in GFZ*, Potsdam, German, March, 2019. **(poster presentation)**

  [3] *The 2017 Annual Meeting of Chinese Geoscience Union Mini-symposium on "Topic 50. Seismic Wave Propagation and Imaging"*, Beijing, China, October, 2017. **(contributed talk)**

  [4] *Youth Forum in the 15th Annual Meeting of CSIAM*, Qingdao, China, October, 2017. **(contributed talk & poster presentation)**

  [5] *Doctoral Forum of Tsinghua University*, Sanbao, Beijing, China, March, 2017. **(contributed talk)**

- Conference Attended

[1] *The 2017 Annual Meeting of NSFC Key Project Computational Methods for Multi-scale, Multi-physics Transport Problems in Hyperbolic Vehicles*, Shanghai Jiao Tong University, Shanghai, China, May, 2017.

[2] *2016 Workshop of Beijing-Tianjin-Hebei Society for Computational Mathematics* , Tianjing, China, Sep, 2016.

[3] *Computational Seismology*, Tsinghua Sanya International Mathematics Forum, Sanya, Hainan, China, Jan, 2016.

Awards

- Excellent Youth Paper Award, China Society for Industrial and Applied Mathematics, 2017.
- Excellent Youth Paper Award, Annual Meeting of Chinese Geoscience Union, 2017.

Publications

- J. Chen, Y.F. Chen, H. Wu, and D.H. Yang (2018). *The quadratic Wasserstein metric for earthquake location.* Journal of Computational Physics, 373, 188-209.
- H. Wu, J. Chen, X.Y. Huang and D.H. Yang (2018). *A new earthquake location method based on the waveform inversion.* Communications in Computational Physics. 23(1), 118-141.
- D.T. Zhou, J. Chen, H. Wu, D.H. Yang, and L.Y. Qiu (2018). *The Wasserstein-Fisher-Rao metric for waveform based earthquake location.* arXiv:1812.00304.
- H. Wu, J. Chen, H. Jing, P. Tong, and D.H. Yang (2017). *The auxiliary function method for waveform based earthquake location.* arXiv:1706.05551.