

Suqin Duan

<http://www.suqinduan-oriana.com>

Education

- 2013- **Tsinghua University** **Ph.D. Candidate**
 Dept. of Earth System Science Advisor: Prof. Jonathon Wright
- 2015- **UC-Berkeley** **Visiting Student Researcher**
 Dept. of Earth & Planetary Science Advisor: Prof. David Romps
 Lawrence Berkeley National Lab **Guest Affiliate**
 Climate and Ecosystem Sciences Division
- 2009-2013 **Sun Yat-sen University** **B.S., Graduate with honors**
 Dpt. of Atmospheric Science
 Double Major: English

Professional Experience

- **Teaching Assistant** (Tsinghua University)
Climate Dynamics Seminar; Atmosphere-Ocean Interaction
- **Fluid Dynamics of Sustainability and Environment Summer School** (University of Cambridge)
2016.9. with fellowship, Department of Applied Mathematics and Theoretical Physics
- **Tsinghua-Imperial Global Fellows Programme: Climate Change and Energy**
2017.7, London, fully funded
- **Summer Intern** (Climate Center of Yunnan Meteorology Administration)
2012.8, helped with the assessment report of wind energy resource in Dalongshan Wind Power Plant

Publications

- **Duan, S. Q., Wright, J. S., & Romps, D. M. (2018). On the utility (or futility) of using stable water isotopes to constrain the bulk properties of tropical convection. *Journal of Advances in Modeling Earth Systems*, 10, 516–529. <https://doi.org/10.1002/2017MS001074>**
- **Duan, S. Q. and Wright, J. S.: Where warming warms the warmest worst? *Submitted, Earth's Future***
- **Duan S. Q. and Wright, J. S.: Variations of rapid and sustained-rapid intensification of tropical cyclones in a changing climate. *In preparation***
- **Wang, Y. W., Ge, W. R., Duan, S. Q., and Wright, J. S.: A network analysis of the global monsoon system in observations, reanalyses and CMIP5 simulations. *To be submitted.***

Others:

- Duan Changchun, Duan Xu, **Duan Suqin**, Tao Yun, and Ren Juzhang, 2011: **Climate variational characteristics of snowfall in Yunnan Province for the last 50 years.** METEOROLOGICAL MONTHLY, Vol. 37 No. 5, p599-606 (in Chinese)
- **B.S. thesis: 2013: Teleconnections between East Asian and North American summer monsoons.**

Collection of Excellent Undergraduate Theses of Sun Yat-sen University.

- **Double major thesis: 2013: Chinese university students' interpretations of feminism in contemporary China**
- **Suqin Duan, 2011: Analysis of the temporal-spatial variation of windspeed and assessment on wind energy in several regions of Guangdong Province.** Collection of Excellent Undergraduate Theses of Sun Yat-sen University (in Chinese)

Awards

2016	ShenYunGang Oceanography Scholarship in Tsinghua University
2015	Joint-Supervision PhD Fellowship from China Scholarship Council (supported me as a visiting student in UC-Berkeley for one year)
2014-2015	Tsinghua University Scholarship for Excellent Students
2013	Excellent Graduate of Sun Yat-sen University
2011	Scholarship from CT Environmental Group Limited
2010-13	Sun Yat-sen University Scholarship for Excellent Students
2010	Award for the Excellent Volunteers in Asian Games
2016 & 2017	7 th & 8 th Art China Youth Art Competition Beijing, first-rank award in dance category

Conference Presentations

- **Suqin Duan** and David Romps: **Warming warms the warmest worst** (Oral, AGU 2018 Fall Meeting, Washington D.C.)
- **Suqin Duan**, David Romps, and Jonathon Wright: **Sensitivity of atmospheric water isotopes to entrainment and precipitation efficiency.** (Oral, AGU 2016 Fall Meeting, San Francisco CA; AOGS 13th Annual Meeting, Beijing; Poster, Graduate Climate Conference 2015, Woods Hole, MA)
- **Suqin Duan** and Jonathon Wright: **Variations of rapid and sustained-rapid intensification of tropical cyclones in a changing climate.** (Oral, Graduate Student Global Change Forum of China, 2014, Beijing; Poster, AOGS 11th Annual Meeting, 2014, Sapporo, Japan)
- Y. W. Wang, J. S. Wright and **S. Q. Duan**: **A network analysis of the global monsoon system in observations, reanalyses and CMIP5 simulations.** (Poster, AOGS 11th Annual Meeting, 2014, Sapporo, Japan)
- **Suqin Duan**, Weibiao Li, Qinhua Huang & Jonathon Wright: **Variation of rapidly-intensifying tropical cyclones over the western North Pacific in a changing climate.** (Oral, International Training Workshop on Extreme Weather and Climate Events, 2013, Beijing)

Skills

Language: Chinese (native), English (proficient)

Programming and software: Python, Fortran, Latex, basic Linux

Other activities

Chinese classical dance