

Dongyu Wang

Ph.D. Candidate

E-mail: DYWANG05@utexas.edu

Education

UNIVERSITY OF TEXAS AT AUSTIN

Ph.D. Candidate in Chemical Engineering, GPA: 3.9+

2013—2018 (Est.)

Advisor: Lea Hildebrandt Ruiz

Thesis Title:

“Thermodynamic properties, chemical composition, and atmospheric fate of organic nitrates”

UNIVERSITY OF CALIFORNIA, LOS ANGELES

2009—2013

B.S. in Chemical Engineering, GPA: 3.8+

Summa Cum Laude

Work Experience

UNIVERSITY OF TEXAS AT AUSTIN

Graduate Research Assistant/Lab Safety Officer/Teaching Assistant

2013—Current

Investigating the formation, transformation, and health impacts of atmospheric pollutants using state-of-the-art mass spectrometric techniques.

STATOIL GULF SERVICES LLC

Shale Oil and Gas Research and Technology, Intern

May—Aug, 2017

Performed extensive research and technology assessment on sand management strategies for oil and gas production.

Award and Honors

- George J. Heuer, Jr. Ph.D. Endowed Graduate Fellowship Award 2017—2018
- Air Quality Research and Study Scholarship, The Air & Waste Management Association 2017
- First Prize, UT Energy Week Poster Competition, Environmental & Sustainability 2017
- Student Leadership Award, UT Engineering Student Life 2017
- McKee Scholarship, Sphinx Graduate Scholarship, Delta Sigma Phi 2016
- Graduate School Fellowship, University of Texas at Austin 2013—2017
- Various travel awards 2016—2017

Publication and Presentation

- Wang, D. S. and Hildebrandt Ruiz, L.: Secondary organic aerosol from chlorine-initiated oxidation of isoprene, *Atmos. Chem. Phys. Discuss.*, doi:10.5194/acp-2017-342, in review, 2017.
- Oral presentations at the following national conferences: The American Association for Aerosol Research (AAAR), the American Chemical Society (ACS), and the American Institute of Chemical Engineering (AIChE)

Leadership

UT AUSTIN GRADUATE ENGINEERING COUNCIL

Newsletter Editor and Publicity Director

2016—Current

Program Developments Director

2015—2016

President

2014—2015

Corporate Liaison

2013—2014

TAU BETA PI ENGINEERING HONORS SOCIETY CENTRAL TEXAS ALUMNI CHAPTER

Treasurer

2016—Current

Secretary

2015—2016

Skills

- Native proficiency in English and Mandarin Chinese
- C++, Matlab, Igor Pro, Pro/II, Prosper, Autodesk Inventor
- Adobe Lightroom, Adobe Premiere Pro