

# Curriculum Vitae

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**Instructor's Name:** Tara L. Urbanski, Ph.D.

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Richland College

12800 Abrams Road

Dallas, TX 75243

**Education:**

2018 Doctor of Philosophy at The University of Texas at Dallas  
Major: Geosciences

2013 Master of Science at The University of Texas at Dallas  
Major: Geosciences

2010 Master of Science at The University of North Texas  
Major: Environmental Science

2004 Bachelor of Arts at The University of North Texas  
Major: Geography Minor: Geology, Spanish

**Professional Experience:**

May 2015 – present *Position:* Faculty for Geology and Environmental Science;  
Program Coordinator for Environmental Sciences  
Richland College, Dallas County Community College District

Aug 2013 – May 2015 *Position:* Visiting Scholar for Geology and Environmental Science  
Richland College, Dallas County Community College District

Jan 2013 – May 2013 *Position:* Adjunct Faculty for Earth Science  
University of North Texas, Denton Texas

Jan 2013 – May 2013 *Position:* Adjunct Faculty for Geology  
Richland College, Dallas County Community College District

Jan 2011 – May 2014 *Position:* Associate Faculty for Environmental Science  
Collin County Community College, Preston Ridge Campus

Aug 2010 – Dec 2012 *Position:* Geology/Environmental Science Tutor IV  
Collin County Community College, Preston Ridge Campus

Aug 2010 – Jan 2011 *Position:* Adjunct Faculty Associate for Geology Labs  
University of North Texas, Denton, Texas

Aug 2008 – Aug 2010 *Position:* Teaching Assistant – Geology Lab Instructor  
University of North Texas, Denton, Texas

**Academic/Professional Affiliations:**

The Geological Society of America

National Association of Geoscience Teachers

Richland College Faculty Association

Faculty Sponsor for The Richland Student Green Team

I certify that statements made by me in this vita are true, complete and correct. Updated 5/2018.

## Professional Bibliography:

- Urbanski, Tara L. 2018. *Virtual Geologic Environments: Interfaces for Visualization and Analyses of 3-D Geologic Models for Education and Research*. Dissertation submitted in partial fulfillment for Doctor of Philosophy in Geosciences at The University of Texas at Dallas.
- Urbanski, Tara L., and AIKEN, Carlos L.V., Geosciences, University of Texas at Dallas. *Virtual Geologic Environments: Developing an Interface to Incorporate Visualization and Analyses of 3-D Models in Geoscience Education and Research*. GSA Annual Meeting in Seattle, Washington, USA – 2017. Topical Sessions: Augmented and Virtual Reality in Geoscience Education.
- Urbanski, Tara L.; Lionel White; Dr. Carlos Aiken. 2016. Applying 3-D Virtual Modeling for Visualization and Analyses in Geoscience Research and Education at the Community College and University Level. Poster Presentation and Abstract at the GSRG conference in Ft. Worth, Texas.
- Urbanski, Tara L. *Photogrammetric Model of the Austin Chalk at Rowlett Creek, Plano Texas*. Model produced for the Oak Point Nature Preserve and Education Center in Plano Texas. May 2015.
- Urbanski, Tara L.; Mansour Alhumimidi; Dr. Carlos Aiken. *Photogrammetric Applications in Geoscience Education*. Presentation at the SPAR International Conference in Houston Texas. April 2015.
- Urbanski, Tara L., Li, W., Brikowski, T. 2013. *Identifying sources of rapid salinization in a local groundwater system using geochemistry and geophysics: The role of petroleum production and other site-specific source influences*. Poster presentation at the 125<sup>th</sup> annual meeting of the GSA. October 27<sup>th</sup>, 2013.
- Aiken, C., Singels, E., Urbanski, T. 2013. *Terrestrial laser scanning (ground-based LiDAR) for Earth Science Research*. Geological society of America short course #525
- Urbanski, Tara L. 2013. *Source Identification of Groundwater Salinization in a Localized Aquifer System in Texas*. Thesis submitted in partial fulfillment for a Master of Science in Geosciences at The University of Texas at Dallas. 2013.
- Chen, L., Graham, T. L., Rodriguez, I., Wang, M., Aiken, C. 2013. *Demonstration of Attributing and Analyzing 3D Outcrop Models in Teaching and Research Using ESRI and Non-ESRI Modules*. Presentation given at the South-Central GSA 47<sup>th</sup> annual meeting. April 2013.
- Graham, T.L., P. Hudak. 2011. Potential Hazard of Wind Energy for Rare, Threatened and Endangered Birds and Bats in Texas. *International Journal of Environmental Research*. 5(4):917-922. Autumn, 2011.
- Graham, Tara L. 2010. *Wind Energy-related Wildlife Impacts: Analysis and Potential Implications for Rare, Threatened and Endangered Species of Birds and Bats in Texas*. Thesis submitted in partial fulfillment for a Master of Science in Environmental Science at The University of North Texas. 2010.
- Graham, Tara L. 2009. *Examining Regional Bird and Bat Fatalities Associated with Wind Energy Production within the Northern Conterminous United States*. Southwestern Association of American Geographers conference poster presentation. 2009.

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