

Laura A. Lukes

CURRENT EMPLOYER

University of British Columbia

Vancouver, British Columbia, Canada

HISTORY OF EMPLOYMENT

2021-Present, **Assistant Professor**, University of British Columbia, Earth, Ocean and Atmospheric Sciences Department

2014-2021, **Assistant Director for Teaching Excellence**, Stearns Center for Teaching and Learning, George Mason University

DEGREES

Ph.D. Marine, Earth, & Atmospheric Sciences (Geoscience Education), North Carolina State University, May 2014

M.Ed. Integrated Science: Earth Science (Secondary, 7-12), The Ohio State University, June 2005

M.S. Geological Sciences, Virginia Tech, May 2004

B.S. Geological Sciences, The Ohio State University, June 2002

NARRATIVE OF RESEARCH EXPERIENCE

My research seeks to advance our understanding of geoscience learning experiences and the choices people make about their geoscience teaching and learning across settings, so that we can design better, evidence-based experiences that support learning for all.

SELECTED KEY PUBLICATIONS

Lukes, L. and Reid, E. S., 2021, "Rebuilding a Teaching Conference in a Pandemic: User-Centered Guiding Principles and Lessons Learned," *To Improve the Academy*, 39 (3), 65-83.

<http://dx.doi.org/10.3998/tia.17063888.0039.305>

Lukes, L., Jones, J., and McConnell, D., 2020, "Self-Regulated Learning: An Overview and Potential Future Directions in Geoscience Education," *Journal of Geoscience Education*, 69 (1), 14-26. doi: <https://doi.org/10.1080/10899995.2020.1820828>

Lukes, L., Ryker, K., Millsaps, C.* Lockwood, R., C., Uhen, M., George, C., Bentley, C., and Berquist, P. 2019, "Leveraging a Large Database to Increase Access to Undergraduate Research Experiences," *Scholarship and Practice of Undergraduate Research*, 2 (4), 4-13. doi: 10.18833/spur/2/4/6

Eby, K. and **Lukes, L.**, 2017, "Transforming Learning Spaces through Iterative Design to Support Inquiry-Driven Learning," *Scholarship and Practice of Undergraduate Research*, 1 (2), 24-31. doi: 10.18833/spur/1/2/8

Lukes, L., LaDue, N., Cheek, K., Ryker, K., and St. John, K., 2015, "Creating a Community of Practice Around Geoscience Education Research: NAGT-GER," *Journal of Geoscience Education*, 63, 1-6.

Lukes, L., and McConnell, 2014, "What motivates introductory geology students to study for an exam?" *Journal of Geoscience Education*, 62 (4), 725-735.

Lukes, L., 2014, "Considerations and recommendations for implementing a dual enrollment program: Bridging the gap between high school and college level science," *Journal of College Science Teaching*, 44 (1), 17-22.

Lukes, L., 2014, "A new take on the field trip: A low-tech, inquiry-based virtual field experience," *The Science Teacher*, 81 (1).

**Student researcher I supervised*

HONORS

Alumni Career Award, The Ohio State University College of Education and Human Ecology Alumni Association (2021)

Elected Fellow of the Geological Society of America (2018)

Biggs Award for Excellence in Earth Science Teaching from Geological Society of America (2017)

Albert Einstein Distinguished Educator Fellow, National Science Foundation –Polar Programs (2010-2011)

Outstanding Earth Science Teacher Award, National Association of Geoscience Teachers (2010)

PROFESSIONAL SOCIETY MEMBERSHIPS

2004-present Geological Society of America (GSA), Member

2005-present National Association of Geoscience Teachers (NAGT), Member

2005-present National Science Teachers Association (NSTA), Member

2010-present American Geophysical Union (AGU), Member

2012-present Earth Science Women's Network (ESWN), Member

2014-present Professional and Organizational Development Network (POD), Member