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## THE GER EXCHANGE

*Promoting high-quality scholarly research in geoscience education.*

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### Dec. 2017 Spotlight: Emily Geraghty Ward

The [December 2017 GER Spotlight](#) is Dr. Emily Geraghty Ward, Associate Professor of Geology at Rocky Mountain College and the winner of the 2017 [Iris Totten Award](#). Dr. Ward works with science educators, cultural experts, and tribal college faculty and staff to develop valid and reliable place-based assessment for the geosciences. In her profile, Dr. Ward describes her work on how place and culture influence geoscience learning, recommends a "must-read" paper on the cultural validity of science assessments, and discusses her position as the only DBER faculty member on her campus. Read the full [December 2017 Spotlight here](#), or visit [Dr. Ward's faculty website](#) for more information about her work!



## Featured Journal Issue

### JGE Theme Issue: Synthesizing Results and Defining Future Directions of Geoscience Education Research

November's issue of the Journal of Geoscience Education features a series of literature reviews summarizing the state of geoscience education research on a wide range of topics, including spatial and temporal learning, learning about complex Earth systems, addressing barriers to inclusion and enhancing recruitment and retention of students from underrepresented populations, place-based education, and more. Commentaries in the theme issue include an approach for characterizing the strength of evidence behind GER-based recommendations, connecting natural sciences with psychological sciences, and the role of minority-serving institutions in enhancing the diversity of geoscientists. Check out the [theme issue](#) today!

## Job, Internship, and Scholarship Opportunities

● [Geoscience Assistant](#), Science Education Resource Center (SERC), Carleton College, Northfield, MN

● [Senior Learning Scientist/Engineer](#) (STEM), Office of Digital Learning, Massachusetts Institute of Technology, Cambridge, MA

● Senior Researcher, [EDUCAUSE](#), Louisville, CO (or telecommute; contact [jobs@educause.edu](mailto:jobs@educause.edu) for more information)

● [Assistant or Associate Professor](#) (Grades 6-12 Science Education), College of Education, James Madison University, Harrisonburg, VA (review begins **December 3, 2017**)

● [Assistant Director of the Center for Teaching and Learning, STEM Specialist](#), Amherst College, Amherst, MA (review begins **December 8, 2017**)

● [Director, Center for STEM Education and Outreach](#), James Madison University, Harrisonburg, VA (review begins **December 10, 2017**)

● [Director, Institute of Research on Learning and Instruction](#), Tufts University, Medford, MA (deadline **December 15, 2017**)

● [Open-Rank Faculty in STEM](#), Bates College, Lewiston, ME (review begins **January 10, 2018**)

● [Assistant Professor of Geology](#), California State University, Sacramento, CA (review begins **January 15, 2018**)

● Summer 2018 Student Internships, Mammoth Site of Hot Springs, South Dakota (contact Justin Wilkins at [justinw@mammothsite.org](mailto:justinw@mammothsite.org) for details; application deadlines **January 31, 2018** for conservation and **February 28, 2018** for interpretive internships)

## 2018 PKAL STEM Leadership Institute

The [Project Kaleidoscope \(PKAL\) STEM Leadership Institute](#) is designed for STEM faculty at the early to middle stages of their careers as educators, researchers, program directors, principal investigators, or department/college-level administrators. The five-day intensive professional development experience exposes participants to the theories and practices needed to effectively manage the politics of change and contribute to the national STEM higher education reform effort.

Location: The Claggett Center, Adamstown, Maryland

Institute I: July 10–15, 2018

Institute II: July 17–22, 2018

[Intent to apply](#) deadline: **January 17, 2018**

## Upcoming Grant and Award Deadlines

● National Science Foundation [Alliances for Graduate Education and the Professoriate \(AGEP\)](#)

Full Proposal Deadline **December 8, 2017**

● National Science Foundation [Improving Undergraduate STEM Education: Education and Human Resources](#) (Development and Implementation Tier) Full Proposal Deadline **December**

**12, 2017**

● National Science Foundation [Improving Undergraduate STEM Education: Education and Human Resources](#) (Exploration and Design Tier for Engaged Student Learning & Institution and Community Transformation) Submission Window **October 1, 2017-October 2, 2018**

● Spencer Foundation [Small Research Grants](#) deadline **February 1, 2018**

● 2017 Emerald/HETL Education [Outstanding Doctoral Research Award](#) deadline **March 1, 2018**

### Free Networking Workshop for Undergraduates at AGU

Monday, Dec. 11, 8:30 - 10:00 am

Room 338-339 in the Convention Center  
in New Orleans

Learn strategies and tips on developing your  
support

network for your career. This workshop will include an exercise on identifying the mentors you already have, and finding those you still need. Practice your elevator speech with fellow undergraduate students, and hear about creative ways to advance your career at this conference. Join us and connect with other undergraduate students, many of whom will become

part of your professional network. Contact Valerie Sloan ([vsloan@ucar.edu](mailto:vsloan@ucar.edu)) for more information.

## Submit to the GER Exchange

NAGT-GER provides monthly updates on professional opportunities, funding, articles of note, researcher profiles, and other content of interest to our membership. Please consider [contributing items](#) of interest for inclusion in future editions of the Exchange!

For questions, or to join the GER Communications Committee, contact Communications Committee Chair [Kelsey Bitting](#).



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This monthly email goes out to all GER Division members to share opportunities and ideas relevant to the community.

**Our mailing address is:**

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