

Councilor's Report for 2010-2011: Jeff Ryan

Educational service activities:

- Service as Geoscience Councilor, Council on Undergraduate Research
 - o Facilitator for CUR Institute: "Institutionalizing Undergraduate Research," February 2011, Stetson University
 - o Facilitator for CUR Institute, "Proposal Writing Institute", July 2011, Vassar College
 - o CUR Consultant/External Reviewer, Furman University Environmental Sciences Department (July 2010)
 - o CUR Consultant/External Reviewer, Northern Arizona University, Undergraduate Research program, Sept. 2010
 - o Co-Convener, Cutting Edge/CUR "Soiree" workshop on undergraduate research as an educational best practice in the geosciences (to be held 10/28/11)
- UNAVCO Education and Outreach Advisory Committee, Jan 2011- (Current)
- Integrated Earth Data Applications (IEDA) geoinformatics facility Policy Committee, March 2011- (Current)

Grant-supported Educational Scholarship:

- **NSF-CCLI: "Preparing Undergraduates for Research: Examining the use of Remote Instrumentation in Earth and Planetary Science Classrooms" (ended 11/10)**

Presentations

- Ryan, J.G. (2010) Integrating microbeam instrumentation into the classroom to teach mineralogy and petrology: outcomes. Presented at the 2010 Goldschmidt Conference, Knoxville, TN.
- Ryan, J.G. (2010) Engaging geoscience majors in research and enticing undergraduates into geoscience degree programs by integrating real rock analysis experiences into geoscience courses: successes and challenges. 2010 GSA Annual Meeting, Denver, CO.
- Ryan, J.G. (2011) Facilitating student education and professional development through intensive in-classroom investigations using remotely operable microbeam instrumentation. Presented at the 2011 European Geological Union General Assembly.

- **NSF-NSDL: Planning the Future of Geo-CyberEducation (ended 3/11)**

Presentations:

- Ryan, J.G. (2010) Planning for the Future of Geo-Cybereducation: outcomes of the workshop, challenges, and future directions. 2010 AGU Fall Meeting, San Francisco.

Other activities:

- Invited presenter: *National Geoinformatics Community Workshops for Interoperability and Education*, Golden, CO, 9/10

Invited presenter: *Google Earth: Visualizing the Future of Geoscience Research and Education*, GSA Penrose Conference, Mountain View, CA 1/11

- **NSF-NOYCE: USF Robert Noyce Scholarship Program. (funded 7/10)**
Scholarship program for STEM graduates seeking to obtain a Master of Arts in Teaching, to serve as teachers in high needs school systems in central FL.

- **NSF-CCEP: Coastal Areas Climate Change Education (CACCE) Partnership [funded 9/10; supplemental support 8/11]**

Presentations:

Ryan, J.G., Feldman, A., Muller-Karger, F., Gilbes-Santaella, F., Stone, D., Plank, L., Trotz, M. and Millan-Otoya, J (2011) Coastal Areas Climate Change Education Partnership (CACCE). Presented at the 2011 ASLO Aquatic Sciences Meeting, San Juan, PR

Other Activities:

- CLEAN Pathway Resource Review event, Boulder, CO 8/11
- Presenter, *Foro Cambio e Climaticos*, Mayaguez, PR, 2/11
- Panel Discussant, *Downtown Debriefing: Resiliency and Climate Change*, Tampa Downtown Partnership breakfast informational series, 5/11
- Exhibitor and Gold Sponsor, Annual Meeting of the American Planning Association, Florida Chapter, 9/11
- *Primary funded partners:* USF, Univ. Puerto Rico at Mayaguez, Univ. Virgin Islands, the Florida Aquarium, Hillsborough County School System.
Cooperating Partners: Florida Center for Environmental Studies/FAU, Southwest Florida Regional Planning Council, American Planning Association, Florida Chapter; ICLEI, Department of Urban Planning, Florida State University; Sea Grant Puerto Rico, COSEE Florida, Eckerd College, + a range of smaller environmental/ocean science organizations in Florida and the Caribbean.

Project goals are to create a network of institutions and organizations to develop a comprehensive, regionally and/or topically focused educational plan on climate change. Our topic/region: coastal areas of Florida and the Caribbean.

- **NSF-TUES: Faculty Development to Support High Impact Activities That Transform Undergraduate Geoscience Education (funded 8/11)**
NAGT sponsored workshop series seeking to aid geoscience faculty in the development of successful NSF-TUES and related educational proposals. First events: funded lunchtime informational sessions at the GSA Annual Meeting and AGU Fall Meeting.

NAGT Activities:

- Served on Ad Hoc committee for the selection of the new Editor-in-Chief of the Journal of Geoscience Education

- Obtained NAGT sponsorship of new NSF-funded workshop series (see above)
- Attended Mid-Year Meeting virtually (due to illness....)

Other activities:

Participant, Associate Editor, and Presenter: Teaching Mineralogy, Petrology and Geochemistry in the 21st Century, On the Cutting Edge culminating workshop for “hard rock” geology