

**From:** Burdige, David J. dburdige@odu.edu  
**Subject:** letter of intent to participate in the Tahiti-Antarctica-Chile (GP17) section planning workshop  
**Date:** January 31, 2020 at 9:53 AM  
**To:** geotraces@ldeo.columbia.edu

DB

Dear Bob (and others),

I am writing to express my interest in attending the Tahiti-Antarctica-Chile (GP17) section planning workshop at ODU in May. I am specifically interested in only participating in the second leg (Chile-Amundsen-Chile) to conduct studies of the sediments on this portion of the Antarctic shelf, focusing on early diagenetic processes in the sediments and their influence on TEI fluxes (including iron) from the sediments. This work would build on past work examining such phenomena in sediments further up the Antarctic Peninsula in the general vicinity of the region studied by Palmer LTER program, including on-going work with Jessica Fitzsimmons looking at iron isotopes in the pore waters of these sediments. My proposed work is entirely in line with the many of the goals of the GEOTRACES program, particularly those in theme 1 of the GEOTRACES Science Plan, fluxes and processes at ocean interfaces (e.g., the sediment-water boundary). My pore water and sediment collection would also be coordinated with any number of other GEOTRACES investigators interested in examining TEI's in the sediment pore waters and the sediment themselves. Since I am already here at ODU, my participation in the workshop does not entail any travel support.

Thank you in advance for considering my request, and please feel free to contact me if you have any questions about this request.

Best,

David

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David J. Burdige  
Professor and Eminent Scholar  
Chief Departmental Advisor, OES BS degree  
Co-Editor in Chief, *Estuarine, Coastal and Shelf Science*

**Office Hours:** Mon. 9-10 AM; Tues. 10-11 AM; Thurs 9-10 AM; or by appointment

Mailing address  
Room 439 OCNPS Bldg.  
Dept. of Ocean, Earth and Atmospheric Sciences  
Old Dominion University  
Norfolk, VA 23529  
757 683-4930 [fax -5303]

<http://sci.odu.edu/oceanography/> [Dept. Web page]  
<http://sci.odu.edu/oceanography/directory/faculty/dburdige/index.shtml> [Personal Web page]  
<http://www.lions.odu.edu/%?Edburdige/book/book.html> [Information about my book "Geochemistry of Marine Sediments"]

"We've heard that a million monkeys at a million keyboards could produce the Complete Works of Shakespeare; now, thanks to the Internet, we know this is not true." - Robert Wilensky

