

The following application was submitted to the MARGINS Office:

Name:

chuck nittrouer

Category: Professor

Address:

School of Oceanography  
University of Washington

Seattle, WA 98195  
USA

E-mail: nittroue@ocean.washington.edu

Phone: 206-543-5099

Fax: 206-543-6073

Statement of interest:

I would like to describe the preliminary results from the New Guinea S2S site, and suggest valuable contributions that could result from comparison with the New Zealand site.

Short resume:

CHARLES A. NITTROUER

Education:

Lafayette College, Geology, B.A. - 1972  
University of Washington, Oceanography, M.S. - 1974  
University of Washington, Oceanography, Ph.D. - 1978

Professional Experience:

1998-present                   University of Washington, professor  
1987-1998                     SUNY Stony Brook, professor  
1978-1987                     North Carolina State University, assistant and  
associate professor

FIVE RELEVANT PUBLICATIONS

Walsh, J.P. and C.A. Nittrouer. submitted. Contrasting styles of off-shelf sediment accumulation in New Guinea. *Marine Geology*.

Nittrouer, C.A., S.A. Kuehl, A.G. Figueiredo, M.A. Allison, C.K. Sommerfield, J.M. Rine, L.E.C. Faria and O.M. Silveira. 1996. The geological record preserved by Amazon shelf sedimentation. *Continental Shelf Resesearch*, 16, 817-841.

Nittrouer, C.A. and D.J. DeMaster. 1996. The Amazon shelf setting -- tropical, energetic, and influenced by a large river. *Continental Shelf Research*, 16, 553-574 .

Nittrouer, C.A., G.J. Brunskill and A.G. Figueiredo. 1995. The importance of tropical coastal environments, *Geo-Marine Letters*, 15, 121-126.

Nittrouer, C.A., S.A. Kuehl, R.W. Sternberg, A.G. Figueiredo, and L.E.C. Faria. 1995. An introduction to the geological significance of sediment transport and accumulation on the Amazon continental shelf. *Marine Geology*. 125, 177-192.

#### FIVE OTHER RECENT PUBLICATIONS

Mullenbach, B.L. and C.A. Nittrouer. 2000. Rapid deposition of fluvial sediment in the Eel Canyon, northern California, *Continental Shelf Research.*, 20, 2191-2212.

Walsh, J.P. and C.A. Nittrouer. 1999. Observations of sediment flux on the Eel continental slope, northern California, *Marine Geology*, 154, 55-68.

Nittrouer, C.A. 1999. STRATAFORM: overview of its design and synthesis of its results. *Marine Geology*, 54, 3-12.

Sommerfield, C.K. and C.A. Nittrouer. 1999. Modern accumulation rates and a sediment budget for the Eel shelf: a flood-dominated depositional environment. *Marine Geology*, 154, 227-241.

Nittrouer, C.A., G.R. Lopez, L.D. Wright, S.J. Bentley, A.F. D'Andrea, C.T. Friedrichs, C.K. Sommerfield and N.I. Craig. 1998. Oceanic processes and the formation of sedimentary strata in Eckernfoerde Bay, Baltic Sea. *Continental Shelf Research*, 18, 1689-1714.

Ph.D. Advisees Past 5 Years (total: 10)  
M.A. Allison, Tulane University  
S.J. Bentley, Louisiana State University

H.V. Borges, Universidade Federal do Espirito Santo  
J.M. Jaeger, University of Florida  
C.K. Sommerfield, University of Delaware  
J.P. Walsh, University of California, San Diego  
B.L. Mullenbach, Woods Hole Oceanographic Inst.

Synergistic Activities:

Co-convener, AGU Chapman Conference, 2001; Coordinator, ONR STRATAFORM Research Program, 1993-2001; steering committee: UNESCO COASTS Program (Coastal Ocean Advanced Science and Technology Studies); NSF RiOMar Program (River-dominated Ocean Margins); NSF NEPTUNE Program (North East Pacific Time-integrated Undersea Networked Experiments)

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ABSTRACT

Title:

Preliminary results of observations from S2S in New Guinea, and their relevance to New Zealand S2S studies

Authors:

C. Nittrouer, A. Ogston, R. Sternberg, J. Crockett, W. McCool

Abstract:

We returned from the first cruise last week, by May we will have some initial results to discuss, and I could create an abstract at that time. Key points to be covered are:

Hypotheses and design of ocean research  
Linkages to the terrestrial system  
Initial observations within shallow water  
Plans for research into the shelf clinoform  
Importance of contrasting with a temperate system  
Key areas for contrast

Wish to include graphics:

Server protocol: HTTP/1.1  
Remote host: chuck.ocean.washington.edu  
Remote IP address: 128.95.252.44