

Curriculum Vitae

Name: Thomas Decloedt

Citizenship: Belgium

Date of Birth: 21/09/1978

Education: Ph.D. (Physical Oceanography) 2009
University of Hawaii, Honolulu, USA

M.S. (Physical Oceanography) 2006
University of Hawaii, Honolulu, USA

MSci. Physics (first class) 2001
Imperial College, London, UK

Secondary
Education: International Baccalaureate 1997
American School of Paris, France

Languages: Dutch (fluent), English (fluent), French (fluent)
Spanish (conversational), German (conversational)

Positions
held: Research & Teaching Assistant 2001-09
University of Hawaii, Honolulu,

Postdoctoral Research Fellow 2010-present
University of Hawaii, Honolulu

Seagoing
experience: -R/V WECOMA, Mooring deployment, CTD, 10/2002
-R/V WECOMA, Mooring recovery/redeployment, CTD, 11/2002
-R/V REVELLE, Mooring recovery, CTD, 6/2003
-R/V KILOMOANA, Bottom Boundary Current Profiling, 10/2003
-R/V KILOMOANA, CTD, XBT, wave buoy deployment, 11/2003
-R/V MELVILLE, LADCP, CLIVAR P6 cruise, 01/2010

-R/V NB PALMER, LADCP, CLIVAR S04P cruise, 02-04/201

Talks &

conferences: -AGU Ocean Sciences Meeting, Honolulu, USA, 02/2002

-Hawaiian Ocean Mixing Experiment Workshop,
Mt. Hood, Oregon, USA, 08/2002

-Hawaiian Ocean Mixing Experiment Workshop
Kona, Hawaii, USA, 08/2003

-IAPSO-SCOR Conference on Ocean Mixing, Victoria, Canada,
10/2004

-AGU meeting, San Francisco, USA, 2006

-IMSPO meeting, Scripps Institution of Oceanography, San Diego,
USA, 10/2008

-IPRC Workshop on Ocean Mixing, IPRC, Honolulu, USA, 03/2009

-PODS VI symposium, Honolulu, USA, 10/2010

-Topographic Internal Waves in the atmosphere and ocean,
Cargese, Corsica, France, 10/2010

Publications:

-Decloedt T. and D.S. Luther, 2010: On a Simple Empirical
Parameterization of Topography-Catalyzed Diapycnal Mixing in
Abysal Ocean. *Journal of Physical Oceanography* , **40**, pp. 487
-508

-Friedrich T., A. Timmermann, T. Decloedt, D.S. Luther, A. Mouchet:
The effect of topography-enhanced diapycnal mixing on ocean and
atmospheric circulation and marine biogeochemistry. *Ocean
Modelling*, 2011, doi:10.1016/j.ocemod.2011.04.012

-Decloedt T. and D.S. Luther, The Global Spatial Distribution of
diapycnal mixing and advection: a comparison of two
parameterizations to observations. *In preparation*

Awards: -POGS 2008
-Watumull Scholarship 2008

Reviewer for: - Journal of Physical Oceanography
- Geophysical Research Letters
- National Science Foundation

Computing
Skills: Matlab, C++, HTML, Linux

Interests: Turbulence, Anthropogenic effects on Climate,
Sociology, Complex systems, Board sports