

# Curriculum Vitae

## Gunnar Voet

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### I. Personal Details:

*Birthdate:* March 23<sup>rd</sup>, 1980.  
*Place of birth:* Starnberg (Germany)  
*Citizenship:* German

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### II. Education:

2010                      PhD in Physical Oceanography, University of Hamburg.  
                                 Thesis: *On the Nordic Overturning Circulation.*

2006                      Diplom Physik (similar to Msc. Physics), University of Hamburg.  
                                 Thesis: *Entrainment in the Denmark Strait Overflow Plume by meso-scale Eddies.*

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### III. Appointments held:

2014 – ongoing        Assistant Project Scientist at the Scripps Institution of Oceanography,  
                                 University of California, San Diego.

2012 – 2014            Research associate at the Applied Physics Laboratory at the University of Washington.

2011                      Research associate at the German Federal Maritime and Hydrographic Agency.

2010 – 2011            Software development at the German Federal Waterways Engineering and Research.

2006 – 2010            Research associate at the Institute of Oceanography, University of Hamburg.

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### IV. Stipends and Awards:

2007                      Awarded with the *Annette-Barthelt-Preis für Meeresforschung* for an outstanding thesis in the field of seagoing ocean research, including a research grant from the German Federal Ministry of Education and Research (BMBF).

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### V. Other qualifications:

2014                      UNOLS Chief Scientist Training Workshop

2013                      Co-Chief Scientist CLIVAR/Carbon P02E.

2008                      3<sup>rd</sup> EGO Workshop and “Glider School”, NATO Undersea Research Centre, La Spezia, Italy.

2007                      CKO International Summer School on Physical Oceanography, Les Diablerets, Switzerland.  
                                 Organized by the *Netherlands Centre for Climate Research.*

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### VI. Talks and posters at international conferences:

2016                      Ocean Sciences Meeting.  
                                 *Observed energy and momentum budget of a hydraulically controlled dense overflow in the Samoan Passage (oral presentation).*  
                                 New Orleans, Louisiana, USA.

2015                      26<sup>th</sup> IUGG General Assembly.  
                                 *Abyssal volume and heat transport through the Samoan Passage: A 16-month timeseries based on recent observations.*  
                                 Prague, Czech Republic.

- 2014 Ocean Sciences Meeting.  
*Volume Transports and Turbulent Mixing in the Samoan Passage (poster)*.  
Honolulu, Hawaii, USA.
- 2012 AGU Fall Meeting.  
*The Samoan Passage Abyssal Mixing Experiment (oral presentation)*.  
San Francisco, California, USA.
- 2010 Euro-Argo User Workshop, *Argo Floats in the Nordic Seas (oral presentation)*.  
Paris, France.
- 2009 MOCA-09 Joint Assembly, *The overflow across the Iceland-Faroe Ridge (poster)*.  
Montréal, Québec, Canada.
- 2008 Ocean Sciences Meeting, *The mid-depth circulation of the Nordic Seas from profiling floats (oral presentation)*.  
Orlando, Florida, USA.
- 2007 North Atlantic Subpolar Gyre Workshop, *Stirring and mixing in the Nordic overflow plumes (poster)*.  
Kiel, Germany.
- 2006 Rapid Climate Change International Science Conference, *Stirring and mixing in the Nordic overflow plumes (poster)*.  
Birmingham, UK.

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## VII. Publications:

- 2016 **Voet, G.**, J. B. Girton, M. H. Alford, G. S. Carter, J. M. Klymak, J. B. Mickett. Warming and weakening of the abyssal flow through Samoan Passage. *Journal of Physical Oceanography*, 46(8), 2389-2401.
- 2015 **Voet, G.**, M. H. Alford, J. B. Girton, G. S. Carter, J. B. Mickett, J. M. Klymak. Pathways, Volume Transport and Mixing of Abyssal Water in the Samoan Passage. *Journal of Physical Oceanography*, 45(2), 562-588.
- 2013 Alford, M. H., J. B. Girton, **G. Voet**, G. S. Carter, J. B. Mickett and J. M. Klymak. Turbulent mixing and hydraulic control of abyssal water in the Samoan Passage. *Geophysical Research Letters*, 40, 1-7.
- 2010 **Voet, G.** and D. Quadfasel. Entrainment in the Denmark Strait overflow plume by meso-scale eddies. *Ocean Science*, 6, 301-310.
- 2010 **Voet, G.**, D. Quadfasel, K.-A. Mork and H. Søiland. The mid-depth circulation of the Nordic Seas derived from profiling float observations. *Tellus A*, 62.
- 2010 Fer, I., **G. Voet**, K. Seim, B. Rudels and K. Latarius. Intense mixing of the Faroe Bank Channel overflow. *Geophysical Research Letters*, 37, L02604.
- 2008 Dickson, B., S. Dye, S. Jónsson, A. Köhl, A. Macrander, M. Marnela, J. Meincke, S. Olsen, B. Rudels, H. Valdimarsson and **G. Voet**. The Overflow Flux West of Iceland: Variability, Origins and Forcing. In: *Arctic-Subarctic Ocean Fluxes*, edited by R.R. Dickson et al., Springer, 443-474.

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## VIII. Research Cruises:

- 2016 Research cruise RR1607 on *R/V Roger Revelle*. Tropical Pacific north of Palau. SWIMS, fastCTD, MMP, CTD, LADCP, mooring work.  
Co-PI.
- 2015 Research cruise SKQ201511S on *R/V Sikuliaq*. Beaufort Sea & Bering Strait. SWIMS, MMP, CTD, LADCP, mooring work.
- 2015 Research cruises RR1501 & RR1503 on *R/V Roger Revelle*. Tasman Sea. CTD, LADCP and mooring work.

2014	Research cruise PS1415 on <i>R/V Point Sur</i> . Monterey Bay. Biosonics echosounder & CTD.
2014	Research cruise OC1408B on <i>R/V Oceanus</i> . Washington Shelf. SWIMS, MMP and mooring work.
2014	Research cruise TN305 on <i>R/V Thomas G. Thompson</i> . Samoan Passage. CTD, LADCP, VMP and mooring work.
2013	Research cruise MV1306 on <i>R/V Melville</i> . CLIVAR/Carbon P02E (Honolulu - San Diego). Co-Chief Scientist.
2012	Research cruise RR1209 on <i>R/V Roger Revelle</i> . Samoan Passage. CTD, LADCP, VMP and mooring work.
2008	Research cruise HM610 on <i>Håkon Mosby</i> . Faroe-Bank Channel. CTD, LADCP, VMP (vertical microstructure profiler).
2007	Research cruise MSM05-4 on <i>MS Merian</i> . Irminger Sea / Denmark Strait. CTD, LADCP and mooring work.
2006	Research cruise D311 on <i>RRS Discovery</i> . Irminger Sea / Denmark Strait. CTD, vmADCP and mooring work.
2005	Research cruise A0805 on <i>Árni Friðriksson</i> . Irminger Sea / Denmark Strait. CTD and mooring work.
2002	Research cruise 44/02/05 on <i>FS Alexander von Humboldt</i> . North Atlantic. CTD.

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#### **IX. Professional Services:**

Peer-review of scientific publications in *Journal of Physical Oceanography*, *Journal of Geophysical Research*, *Ocean Modelling*, *Ocean Science*, *Journal of Marine Research*, *Journal of Marine Systems*, *Oceanography*, *Chinese Journal of Oceanology and Limnology*.

Peer-review of research proposals for *NSF* and *NOAA*.

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#### **X. References:**

Dr. Matthew Alford	Scripps Institution of Oceanography / University of California, San Diego 9500 Gilman Drive #0213 La Jolla, CA 92093-0213 email: malford@ucsd.edu
Dr. James Girton	Applied Physics Laboratory / University of Washington 1013 40 <sup>th</sup> Str NE Seattle, WA 98105 email: girton@apl.washington.edu