

CURRICULUM VITAE

Postdoctoral Scientist, Physical Oceanography
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Biography:

- January 2007 - present: Postdoctoral research associate. Norwegian Polar Institute, Tromsø, Norway.
- August 2006 - December 2006: Research associate. Polar Science Center, Applied Physics Laboratory, University of Washington, Seattle, USA
- July 2005 - June 2006: Postdoctoral research associate. Courant Institute for Mathematical Sciences, New York University, USA

Research interests:

- Physical oceanography at high latitudes
- Mesoscale oceanic vortices
- Flow-topography interaction

Educational background:

- 2005: Ph.D Physical Oceanography, Institute for Marine and Atmospheric research Utrecht (IMAU), University of Utrecht, The Netherlands.
- 1998: Erasmus Exchange Program: Master courses Polar Oceanography and Processes in snow and ice, Geophysical Institute, University of Bergen, Norway
- 1994-2000: B.Sc in Physics, M.Sc in Meteorology and Physical Oceanography, Faculty of Physics and Astronomy, University of Utrecht, The Netherlands.

Publications

- The Warm-Water 'Halo' around Maud Rise: Properties, Dynamics and Impact, 2007. L. de Steur, D.M. Holland, R.D. Muench, M.G. McPhee, *Deep-Sea Research* 1, doi:10.1016/j.dsr.2007.03.009.

- Tracer leakage from modeled Agulhas rings, 2004. L. de Steur, P.J. van Leeuwen and S.S. Drijfhout, *J. Phys. Oceanogr.*, 34 (6), 1387-1399.
- Modeling the initial fast Sea-Surface Height decay of Agulhas ring "Astrid", 2003. S.S. Drijfhout, C.A. Katsman, L. de Steur, P.C.F. van der Vaart, P.J. van Leeuwen and C. Veth, *Deep-Sea Research* 2, 50, 299-319.

Theses

- Stirred, not mixed: A study on the decay of Agulhas Rings, 2005. L. de Steur. PhD thesis.
- The influence of the critical erosion velocity on net sediment transport patterns in the North Sea, 2000. Master thesis. L. de Steur.

Presentations:

- 2006 Oral presentation in the session 'Upper Ocean Physics at high latitudes', AGU meeting, San Francisco, USA.
- 2005 Oral presentation at the Institute for Marine and Atmospheric research Utrecht, Utrecht University, The Netherlands.
- 2005 Oral presentation at the department of Atmospheric and Oceanic Sciences, McGill University, Montreal, Canada.
- 2003 Poster presentation in the session 'Small and Mesoscale Ocean processes', EGS meeting, Nice, France.
- 2002 Oral presentation in the session 'Small and Mesoscale Ocean processes', joint EGS/AGU meeting, Nice, France.
- 2001 Poster presentation, Climate Conference 2001, University of Utrecht, The Netherlands.

Fieldwork and summerschools:

- 2005 Participant of the wintertime oceanographic cruise MaudNESS (Maud rise Non-linear Equation of State Study) in the Weddell Sea, a joint research project of McPhee Research, Applied Physics Laboratory, Earth & Space Research, Naval Postgraduate School and New York University.
- 2005 MaudNESS modeling meeting at the Naval Postgraduate School, Monterey, USA.
- 2002 Participant of the summer school on data-assimilation and inverse methods, Oregon State University, Corvallis, USA.

- 2000 Participant in the oceanographic cruise MARE 2 (Mixing of Agulhas Rings Experiment) in the South Atlantic Ocean, a joint project of the Royal Netherlands Institute for Sea Research and the Institute for Marine and Atmospheric research Utrecht.
- 2001 Participant in the oceanographic cruise ACSEX 3 (Agulhas Current Sources Experiment) in the Indian Ocean, a joint project of the Royal Netherlands Institute for Sea Research and the Institute for Marine and Atmospheric research Utrecht.
- 1997 Participant in the oceanographic cruise Triple-B (Bay of Biscay Boundary experiment) of the Royal Netherlands Institute for Sea Research as part of the B.SC program.

Extracurricular activities:

- 2006 Co-convener of the session: "Upper Ocean Physics at High Latitudes" at the AGU meeting in San Francisco, December 2006
- 2003 Chairman of the PhD committee of the Buys Ballot Research School, The Netherlands.
- 2002 Convener of the annual symposium of the Buys Ballot Research School: 'The pros and cons of the Intergovernmental Panel on Climate Change (IPCC)' in Utrecht, the Netherlands.