

# Curriculum Vitae

Johannes Karstensen

Business Address:

Institut für Meereskunde

an der Universität Kiel

Düsternbrooker Weg 20

24105 Kiel

Germany

email: jkarstensen @ ifm.uni-kiel.de

fax: +49(0) 431 600 4154

## PERSONAL INFORMATION

**Birth** October 4, 1965 in Husum/Germany

**Citizenship** German

**Status** Married, 2 children

## ACADEMIC DEGREES

**July 1999** Ph.D. in Physical Oceanography, FB Geowissenschaften, University of Hamburg, Germany, Advisor: D. Quadfasel  
(Ph.D. thesis: *On the ventilation of the Indian Oceans thermocline*)

**Dec. 1994** Diplom in Physical Oceanography, FB Geowissenschaften, University of Hamburg, Germany, Advisor: D. Quadfasel  
(Diplom thesis: *Mixing of water along the front of the South Equatorial Current in the eastern Indian Ocean*)

## ACADEMIC EDUCATION

**1994 - 1999** University of Hamburg, Germany, Ph.D. student in Physical Oceanography.

**1987 - 1994** University of Hamburg, Germany, Undergraduate and graduate program in Physical Oceanography.

**PROFESSIONAL EXPERIENCE**

**12/2002 - currently** Research Scientist at Institut für Meereskunde an der Universität Kiel, Germany,  
*Activities:* Air/sea interaction, water mass formation/transformation, biogeochemical cycling in the upper layer waters and how to monitor these processes with the aid of moored instruments and floats.

**4/2002 - 12/2002** Investigador, Programa Regional de Oceanografía Física y Clima (PROFC), University of Concepcion, Chile. (Collaboration: O. Pizarro, O. Leth)  
*Activities:* Water mass formation and transformation in the South Pacific

**3/2000 - 4/2002** Postdoctoral Research Scientist, Lamont-Doherty Earth Observatory of Columbia University, USA/Institut für Meereskunde Kiel, Germany. (Collaboration: P. Schlosser, D. Wallace)  
*Activities:* Water mass formation and transformation in the Nordic Seas in relation to decadal climate variability

**2/2000 - 3/2000** Visiting Research Scientist, DCESS, University of Copenhagen, Denmark. (Collaboration: D. Quadfasel)  
*Activities:* Southern hemisphere subduction, water mass conversion

**1999 - 2/2000** Research Scientist (in CLIVAR), University of Hamburg, Germany. (Collaboration: D. Quadfasel)  
*Activities:* Subduction in the South Indian Ocean

**1995, 1996 - 1999** Research Scientist (in WOCE), University of Hamburg, Germany.  
*Activities:* Thermocline ventilation of Indian Ocean (tracer, biogeochemical cycling), cruise planning and participation, data calibration (CTD, RCM, XBT, ADCP)

**1995/96** Visiting Research Scientist, FIAMS, Adelaide, Australia. (Collaboration: M. Tomczak)  
*Activities:* Mixing analysis methods, cruise participation (CTD, Seasoar)

**TEACHING EXPERIENCE**

**1999** Course: Seminar Regional Oceanography III, The Oceans Troposphere (Graduate Students).

**1998** Course: Exercises Regional Oceanography II, Heat and Mass transfer (Undergraduate Students).  
 Course: MATLAB for oceanographers.

**1997** Course: MATLAB for oceanographers.

**2002** Course: Introductory course to UNIX and Matlab.

**2003** Courses: Introductory course to UNIX and Matlab (# 500059, # 500046).  
 Courses: At-Sea lab (# 500068, # 500069).  
 Courses: Seminar (# 500071, # 500070).

**FIELD EXPERIENCE**

**Nov. 1997** *FS SONNE*, cruise SO126, Bay of Bengal. Responsibility: ADCP, CTD, mooring recovery

**Oct. 1996** *GMMOS DISCOVERY*, WOCE ICM-7, Arabian Sea. Responsibility: mooring recovery

**Oct. 1995** *RV FRANKLIN*, cruise FR8/95, WOCE line IR6, Indonesian Throughflow. Responsibility: Seasoar, CTD

**Sept. 1993** *FS VALDIVIA*, cruise VAL 129, WOCE line A1E, North Atlantic. Responsibility: CTD

**Feb. 1989** *FS VALDIVIA*, cruise VAL 87, Faroer/Shetland Channel. Responsibility: CTD

**OTHERS**• *Review*

Reviewer for Journal of Geophysical Research, Deep-Sea Research, Geophysical Research Letters, Oceanologica Acta

• *Internet*

Establishing and maintainance of the OMP User Group  
([http://www.ldeo.columbia.edu/~jkarsten/omp\\_std](http://www.ldeo.columbia.edu/~jkarsten/omp_std))

• *Computer skill*

Platforms: UNIX, Linux, Windows (95/98, NT)  
Programs: MATLAB, IDL, Framemaker, StarOffice, MS Office  
Languages: FORTRAN,  $\LaTeX$

• *Language*

Fluent in spoken and written german (mother-tongue) and english

• *Membership*

AGU (Americam Geophysical Union), TOS (The Oceanographic Society), DGM (Deutsche Gesellschaft für Meereskunde), AMS (American Meteorolical Society)

**REFERENCES**

- 1) Professor Dr. Detlef Quadfasel  
Niels Bohr Institute for Astronomy, Physics, and Geophysics  
University of Copenhagen  
Juliane Maries Vej 30  
2100 Copenhagen Ø  
Denmark  
Phone: +45 353 20609  
Fax: +45 353 65357  
E-Mail: dq @ gfy.ku.dk
  
- 2) Professor Dr. Matthias Tomczak  
School of Chemistry, Physics and Earth Sciences  
Flinders University  
P.O. Box 2100  
Adelaide, S.A. 5001  
Australia  
Phone: +61 8 8201 2298  
Fax: +61 8 8201 2676  
E-Mail: Matthias.Tomczak @ flinders.edu.au
  
- 3) Professor Dr. Peter Schlosser  
Lamont Doherty Earth Observatory  
Columbia University  
61 Route 9W  
Palisades, NY, 10964-8000  
USA  
Phone: +1 845 365 8707  
Fax: +1 845 365 8155  
E-Mail: peters @ ldeo.columbia.edu