

Christoph Zülicke – Curriculum Vitae

Tabulated curriculum vitae.....	1
Stays abroad.....	2
Research cruises	2
Special skills.....	3
Teaching / Supervision.....	3

Tabulated curriculum vitae

School

- Sep 1969 - Aug 1977: Pupil at the 11. Polytechnical Primary School in Berlin
- Sep 1977 - Aug 1981: Pupil at the Extended Secondary School "Heinrich Hertz" in Berlin (Special School for mathematics)
 - Abitur: With honour; Lessing medal in Silver
- Apr 1981 - Oct 1981: Operator at the Computing Centre (ZfR - Zentrum für Rechentechnik) of the Academy of Sciences in Berlin
- Nov 1981 - Apr 1983: Military Service
- May 1983 - Jul 1983: Operator at the ZfR Berlin

University

- Sep 1983 - Aug 1987: Student of Physics at the Humboldt-University at Berlin (HU)
 - Diploma: "Modelling of the light-dependent Belousov-Zhabotinsky reaction and its application for pattern processing"; Rate: Very good
- Sep 1987 - Aug 1990 Research student at the HU Berlin, Physics

Department

- PhD Thesis: "Fronts and domains in deterministic and stochastic bistable reaction-diffusion systems"; Rate: Magna cum laude; Carl-Ramsauer award of the AEG Berlin;

Profession

- Sep 1990 - Aug 1992: Research Assistant at the HU Berlin, Physics Department
- Sep 1992 - Nov 1992: Scientific coworker at the Joint Research Centre of the European Commission, Institute of Remote Sensing Applications (IRSA Ispra, Italy)
- Dec 1992 - Nov 1994: Postdoc at the IRSA Ispra
- Jan 1995 - Dec 1999: Scientific coworker at the Baltic Sea Research Institute (IO Warnemünde)
- Jan 2000 - Nov 2000: Guest scientist at the IO Warnemünde
- Dec 2000 - Aug 2001: Scientific coworker at the HU Berlin, Institute of Physics
- Oct 2001 - Oct 2006: Scientific coworker at the Institute of Atmospheric Physics (IAP) Kühlungsborn
- Nov 2006 – Mar 2009: Scientific coworker at the IO Warnemünde
- Apr 2009 - : Tenured scientist at IAP Kühlungsborn

Stays abroad

- Aug. 1987- Feb. 1988 (7 months): Study stay at the Moscow State University (MSU); Physical Faculty
- Sept. 1988 (1 month): Students exchange program with MSU Moscow; Physical Faculty
- June 1989 (1 month): Study stay at the MSU Moscow; Physical Faculty
- Aug. 1991 - Nov. 1992 (27 months): Postdoc at the Joint Research Centre of the European Commission at Ispra (Italy), Institute for Remote Sensing Applications

Research cruises

- 20 Aug - 25 Oct 1991, NE Atlantic (RV A. v. Humboldt) AMOR91 (Atlantic Measurement of Oceanic Radiation) / EBC2 (Eastern Boundary Current)
- 02 Sep - 14 Oct 1992, NE Atlantic (RV A. v. Humboldt) AMOR92 / EBC5
- 01 - 10 Mar 1994, Baltic (RV A. v. Humboldt) BARB1 (Baltic Radiation Budget)
- 14 - 27 Sep 1994, Baltic (RV A. v. Humboldt) BARB2

- 07 - 17 Mar 1995, Baltic (RV Prof. A. Penck) GOBEX (Gotland Basin Experiment)
- 10 - 23 May 1995, Baltic (RV A. v. Humboldt) PLANKTON
- 15 - 30 Apr 1998, Baltic (RV A. v. Humboldt) MESODYN (Mesoscale Dynamics)
- 01 - 16 Mar 1999, Baltic (RV A. v. Humboldt) DIAMIX (Diapycnical Mixing)

Special skills

Languages

- English: very good knowledge
- Russian: good knowledge
- Italian: basic knowledge

Computers

- Text processing
 - MS-Office (mainly used): very good knowledge
- Scientific data processing:
 - RSI-IDL and Fortran (mainly used): very good knowledge
 - Basic, Pascal, Fourth, Assembler, Seawave-Terascan (occasionally used): good knowledge
- Operating systems:
 - MS-Windows: good knowledge
 - UNIX: good knowledge

Teaching / Supervision

1987-1991 (HU Berlin)

- Lectures (occasionally for Dr. L. Schimansky-Geier): "Physical Kinetics"
- Seminars for students:
 - "Physical Kinetics":
 - Summer Semester 1991: 2 hours/week;
 - Summer Semester 1992: 2 hours/week;
 - "Classical Mechanics" (Winter Semester 1991): 4 hours/week;

- "Electrodynamics" (Summer Semester 1992): 2 hours/week;
- Supervision of diplomands:
 - Volkmar Preuss (1990/91, with Dr. L. Schimansky-Geier): 1 hour/week;
 - Harald Hempel (1991/92, with Dr. L. Schimansky-Geier): 1 hour/week;
- Lessons at the Special School of the Humboldt University:
 - Physics (1990/91): 4 hours/week;

1992-1994 (IRSA Ispra)

- Co-supervision for doctorands:
 - Stefan Kriebel (with Dr. W. Eifler): 1994

1995-1999 (IO Warnemünde)

- Lectures
 - "General Oceanography" (Summer Semester 1995, with Dr. E. Hagen): 8 hours
 - "Time Series Analysis in Geosciences" (with Dr. E. Hagen)
 - Summer Semester 1995: 8 hours;
 - Summer Semester 1996: 8 hours;
 - Summer Semester 1997: 8 hours;
- Supervision of diplomands
 - Ingo Schuffenhauer (1996, with Dr. E. Hagen): Mixed Layer Turbulence (A Baltic Sea case Study) - Vordiplom.
 - Olaf Hennig (1996, with Dr. E. Hagen): Exchange of matter and energy between ocean and atmosphere (A Baltic Sea Case Study).
 - Ingo Schuffenhauer (with Dr. E. Hagen): Statical and dynamical correction of a Clark-Cell for oxygene measurements.
- Supervision of doctorands
 - Christian Hoell: Numerical study of the skin effect with the finite element method (together with Dr. E. Hagen)
 - Carsten Sattler: Analytical and numerical study of transport and mixing processes in the Pomeranian Bight (together with Prof. W. Fennel)

2001 – 2006 (IAP Kühlungsborn)

- Supervision of summer students:

- Claudia Rudolf (01.-31.08.2004): Energietransport durch Trägheitsschwerewellen
- Bendikt Achatz & Felix Lau (26.-30.09.2005, 19.-27.06.2006): Vergleich von Wettervorhersagen mit Beobachtungen

2009 - ... (IAP Kühlungsborn)

- Supervision of summer students:
 - Phillip Klein (September 2009): Umfangreiche Trajektorienberechnung zum PANDOWAE-Fall Sturm „Gudrun“/„Erwin“ (together with Dieter Peters)
 - Christoph Renkl (01.07.-13.08.2010): Plötzliche Stratosphärenwärmungen im KMCM
 - Erik Romanowsky (19.07. - 01.09.2010) Diagnose des Lorenz-Zyklus in KMCM-Daten
 - Simon Maretzke (12.08.-11.10.2013) Vorhersage von Schwerewellen mit GROGRAT
- Supervision of Bachelor students:
 - Jan Bahnsen (24.02.-04.09.2014) Simulation von Schwerewellen – Anwendung des Raytracing-Programms GROGRAT
- Supervision of doctor students:
 - Mohammad Mirzaei (01.09.2010 – 31.05.2011): Inertia-gravity waves in moist simulations of baroclinic wave life cycles (together with A.-R. Mohebalhojeh, University of Teheran, Iran)
 - Lena Schoon (01.05.2015 – 30.04.2018) Diagnosis and Modelling of spontaneous gravity wave generation (together with Erich Becker)