

**Jochen Halfar**

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- Since 7/2018 **Full Professor of Geology, University of Toronto**
- 7/2014 to 6/2018 **Associate Department Chair, Chemical and Physical Sciences**
- 7/2011 to 6/2018 **Associate Professor of Geology (tenured), Univ. of Toronto**
- 2014 to 2016 **Member of the Graduate Faculty, Univ. of Alabama, USA**
- 2006 to 6/2011 **Assistant Professor of Geology, University of Toronto, Canada. Cross-Appointment at: Department of Earth Sciences and Department of Chemical and Physical Sciences**
- 4/2010 to 4/2012 **Adjunct Assistant Professor at University of Maine, School of Marine Sciences, USA**
- 12/2005 **Habilitation in Geology & Paleontology** granted by the faculty of Bio- and Geosciences at University of Stuttgart, Germany
- 5/2000 to 7/2006 **Wissenschaftlicher Assistent, University of Stuttgart, Department of Geology and Paleontology, Germany**
- 10/99 to 4/2000 **Scientist, Environmental Defense Fund, Oakland, California.**
- 9/94 to 9/99 **Ph.D., Geological and Environmental Sciences, Stanford University**  
Dissertation Title: *Warm-temperate to subtropical shallow water carbonates of the southern Gulf of California and geochemistry of rhodoliths.* Advisor: Dr. J.C. Ingle Jr.
- 10/91-8/94 **Diplom, Geology**  
**University of Göttingen, Germany**  
Thesis title: *Facies Architecture and Sedimentology of Palaeogene Fluvial Deposits in the Schleenhain Open Pit Mine, Leipzig, Germany.* Advisor: Prof. Dr. W. Riegel
- 8/90-9/91 **Exchange scholar at California State University Fresno (Department of Geology) and Moss Landing Marine Labs**  
Sponsored by Fulbright commission + University of Heidelberg
- 10/88-7/90 **Vordiplom, Geology and Paleontology**  
University of Heidelberg, Germany

Date and place of birth: 17/06/69, Heidelberg, Germany

Civil Status: Married, three children

Language skills: German, English, Spanish

### **Distinctions and prizes**

- **Dean's Excellence Awards** 2011, 2017, 2018
- Smithsonian Museum of Natural History **Science Achievement Awards** 2014
- **Canadian Foundation for Innovation- Leaders Opportunity Fund Award** 2008
- **Lorry Lokey Stanford Environmental Fellowship** for research at Environmental Defense Fund, Oakland, California, 1999-2000
- German academic exchange program (**DAAD**) fellowship for professional training at Scripps Institution of Oceanography, 1993
- **Fulbright** Scholarship and International Exchange Scholarship of the University of Heidelberg for study at California State University Fresno, 1990-1991

### **Research Endeavors**

- Fluvial Architecture, Clastic Sedimentology (completed)
- Modern Carbonates and Oceanography of the Gulf of California, Carbonate Sedimentology (completed)
- Rhodoliths as indicators of paleoceanographic change (completed)
- Marine Mining, Environmental Impact (completed)
- Dendrochronologic study of 55 Million year old wood preserved in kimberlites (ongoing)
- Oceanographic controls on carbonates, Carbonate Sedimentology and Micropaleontology of the Southeastern Pacific (ongoing)
- Geochemistry of Arctic and Subarctic coralline algal carbonates (ongoing)
- Effects of ocean acidification on Arctic and Subarctic coralline algal carbonates (ongoing)
- Sea Ice Cover Proxy development (ongoing)

**Other scientific expertise**

- Organizer of **Special Sessions** at AGU and EGU meetings
- **Guest editor** for special issues of Sedimentary Geology (2001): ‘Sedimentation and Tectonics Along a Rift Basin Margin: The Gulf of California’ and Palaeogeography, Palaeoclimatology, Palaeoecology (2011): ‘Mid- and high-latitude marine climate archives’
- 35 invited **guest lectures** (given in German, English or Spanish) at universities and research institutions in Austria, Belgium, Canada, Denmark, Germany, Netherlands, Norway, Mexico, Switzerland, Sweden, Ecuador and United States
- **Keynote** lectures at International Association of Sedimentologists Meeting (2012)  
4th International Sclerochronology Conference (2016)
- **Journal reviews:** Geology, Sedimentology, Sedimentary Geology, Journal of Sedimentary Research, Quaternary Science Reviews, Geological Society of America Special Publications, Biogeosciences, Coral Reef Proceedings, Revista Mexicana de Ciencias Geológicas, Cryptogamie Algologie, International Association of Sedimentologists Special Pubs., Geological Society of London Special Publications, Palaios, Coral Reefs, Coral Reefs of the USA, Geochemical Journal, Phycology, Marine and Freshwater Research, Marine Ecology Progress Series, Earth-Science Reviews, Neues Jahrbuch fuer Geologie und Palaeontologie

**Major expeditions**

- 1995 to 2003 – Annual research cruises for carbonate studies in Gulf of California
- 1997 – Coral drilling cruise to Fanning Island, Kiribati, South Pacific
- 2002 and 2003 – Coralline algal calibration experiments in Gulf of Maine, Caribbean, and Gulf of California
- 2008 – Coral drilling Tobago
- 2008 – Coralline algal expedition to Bering Sea on R/V Norseman (PI Halfar)
- 2008 – Subarctic Northwest Atlantic coralline algal sampling.
- 2010, 2011, 2013 – Sponsor (30-50%) of coralline algal expeditions to Labrador (Chief Scientist W. Adey)
- 2013 – Galapagos carbonate cruise (multinational cruise)
- 2013 – West Greenland coralline algal carbonates sampling cruise
- 2015 – Baffin Island coralline algal sampling expedition
- 2016 - Spitsbergen on R/V Merian and Greenland/Canadian Arctic on R/V Vagabond
- 2018 – Spitsbergen coralline algal expedition

**Administrative Experience**

- **Associate Department Chair**, Dept. of Chemical and Physical Sciences, Univ. of Toronto (2014 -2018)
- **Dean's Representative** on Faculty search committee (2015/16)
- **Assistant Director of examination committee** (stell. Prüfungsausschußvorsitzender) for Geology and Paleontology, University of Stuttgart (2000-2004)
- **Proposal reviewer** – CFI -Canadian Foundation for Innovation; NSERC - Natural Sciences and Engineering Research Council of Canada; NSF - National Science Foundation, USA; GEOMAR – The future ocean; AAUS – American Association of Underwater Scientists, ERC – European Research Council
- **Delegate of Universität Stuttgart** at partnership conference between German and Californian Universities, Asilomar (2002)
- **Search committees** for faculty positions (7x) and Dept. Chair (2x) at Univ. Toronto
- **Committee for development of study plan** ,Earth and Planetary Sciences' at Toronto
- **Graduate Affairs Committee** (Student Admissions, Stipends)
- **Faculty Advisor** Earth Sciences (~Prüfungsausschußvorsitzender) (2008-2014)
- **Chairs Advisory Committee** (2009-2016)
- **Colloquium Organizer Committee** (2008-2011)
- **Student Grant Selection Committee** (since 2009)
- **Annual 'Progress through the Ranks' evaluation committee** (2009-2016)
- **Awards Committee** (2009-2011)
- **Tenure and Full Professor promotions committees** (6x) (2013/2014/2018)
- **Chair of Timetable committee** (2014-2018)
- **Chair of Curriculum Committee** (2014-2018)

**Expertise in working with the community**

- Teacher at adult education schools (1988-1992)
- Worldwide media coverage following publication on Deep-Sea Mining (Science, 2007) including newspapers, magazines, radio and television interviews
- Newspaper and online magazine reports resulting from article on red algal climate signals (Journal of Geophysical Res. 2007) which was chosen as Editor's Highlight.
- Newspaper and online magazine reports resulting from article on coralline red algae climate calibrations published in Geology (June 2008)
- TV, radio and newspaper coverage on algal Sea-Ice Proxy research (PNAS, 2013)
- Documentary (53 minutes) ,Expedition ins Eismeer', ARTE (aired March 4th, 2017)
- Planet Wissen Science Program (60 minutes) Expedition in die Arktis – dem Klimawandel auf der Spur (first aired 30.6.2017)