

CURRICULUM VITAE (UPDATE!)

Dr. Alexander Rudloff
IUGG Secretary General (2019-2023)



PERSONAL DETAILS

Title: Dr. rer. nat.
First Name: Alexander (Alex)
Surname: Rudloff
Date of Birth: 8 November 1964
Place of Birth: Munich/Bavaria
Gender: Male

Affiliation and Current Position: GFZ German Research Centre for Geosciences
Head Helmholtz Affairs, Team Member of the Scientific Executive Director

Address: Telegrafenberg
14473 Potsdam

Country: GERMANY

Email Address: rudloff@gfz-potsdam.de; sg@iugg.org

Nationality: German

Languages: English (fluent)
German (native)
Italian (intermediate)
Spanish (intermediate)
French (basic)

EMPLOYMENT RECORD

Since 2007 | Team (Staff) Member of GFZ's Executive Scientific Board
2005 – 2007 | Project Manager for GITEWS – German Indonesian Tsunami Early Warning System, continued until 2011 (WP 7000 | Project management and WP 8000 | System integration)
2001 – 2005 | Research Manager at GEOTECHNOLOGIES (Program of the Federal Ministry for Education and Research), Coordination Office at GFZ Potsdam
1998 – 2001 | Research Scientist at Federal Institute for Geosciences and Resources (BGR), Hannover

EDUCATIONAL BACKGROUND

- 1998 | Doctorate at Free University (FU) Berlin, Dept. of Geosciences, Thesis on Local Passive Seismology in Northern Chile
- 1993 – 1998 | Ph.D. Student at GFZ Potsdam, DFG's Collaborative Research Centre No. #267
- 1993 | Diploma in Geophysics, FU Berlin, Theme: Active Seismology (Refraction) in Northern Chile
- 1988 | Three Months Internship at Prakla Seismos AG, Field Camp in Northern Germany
- 1986 – 1993 | Studies of Geophysics, Geology and Mineralogy at Free University Berlin
- 1984 – 1985 | Military Service at German Bundeswehr, Field Artillery

HONORS AND AWARDS

- 2015 | Price for Science Management of GFZ
- 2000 | Best Poster Award, German Geophysical Society (DGG), General Assembly Braunschweig

RELEVANT EXPERIENCE IN NATIONAL, INTERNATIONAL AND INTERGOVERNMENTAL ORGANIZATIONS

- **EGU** | European Geosciences Union – Member and Elected Cash Auditor, since 2014
- **GEO*8** | European Alliance for Earth Sciences – Executive Secretary since 2015
- **ILP** | International Lithosphere Program – Executive Secretary and Head of ILP Office at GFZ, 2007-2019
- **IUGG** | International Union of Geodesy and Geophysics – Secretary General, elected July 2019, at the 27th General Assembly, Montreal/CANADA
- **UNESCO/IOC** | Intergovernmental Oceanographic Commission, NEAMTWS (North-East Atlantic, Mediterranean and Connecting Seas Tsunami Early Warning System – Permanent Member of German Delegation since 2008, Task Team Member 2011
- **DGG** | German Geophysical Society – Member since 1988, Treasurer/Member of Board and Executive Council, 2003-2015
- **DKKV** | German Committee for Disaster Reduction – Board Member, 2019-2022
- **DVGEO** | German Federation of Geosciences – (Personal) Founding Member, since 2016
- Climate platform (Klimaplattform) – Research Platform Climate Change, a Local Network of Climate Research Related Institutions | Treasurer, 2009-2017

SCIENTIFIC EXPERTISE

Broad expertise in Geosciences (e.g. Geophysics, Geodesy, Geodynamics) and in related topics. An earlier position was focused on co-ordination of research field “Earth and Environment” of the Helmholtz-Association. This comprised the scientific activities of eight research centres in Germany with a portfolio of atmospheric, marine, ocean, polar and coastal sciences, as well as solid Earth sciences.

Beside this it exists a profound expertise in national and international board and panel work.

JOURNAL EXPERTISE

- Editor (Special Issue) of **Natural Hazards and Earth System Sciences (NHESS)**
- Reviewer for **History of Geo- and Space Sciences (HGSS), Natural Hazards, Nature, Natural Hazards and Earth System Sciences (NHESS), Science, Seismological Research Letters (SRL), Tectonophysics**

MEETING EXPERTISE

- Session Chair and (Co-)Convenor at **AGU, DGG, ESC, EGU** General Assemblies/Annual Meetings between 1997 and 2020
- Participant and Delegation Member at the Third UN World Conference on Disaster Risk Reduction (WCDRR) in Sendai/JAPAN, March 2015

PANEL EXPERTISE

- **UNESCO/IOC**, Nomination Committee (Chairperson), NEAMTWS, December 2019 – May 2020
- **UNESCO/IOC**, Accreditation Panel (Chair), NEAMTWS – Tsunami Service Provider/Portugal, June-December 2019
- **UNESCO/IOC**, Accreditation Panel (Chair), NEAMTWS – Tsunami Service Provider/Greece & Turkey, May-September 2016

SOCIAL MEDIA, PROFESSIONAL

- LinkedIn | <https://www.linkedin.com/in/alexander-rudloff-b8631094/>
- XING | http://www.xing.com/profile/Alexander_Rudloff2

PUBLICATIONS | TOP 5 LIST

X Yuan, SV Sobolev, R Kind, O Oncken, ..., **A Rudloff**, (+18 co-authors) (2000): Subduction and collision processes in the Central Andes constrained by converted seismic phases, *Nature* 408 (6815), 958-961.

N Heinemann, J Alcalde, JM Miocic, SJT Hangx, (+10 co-authors), R Carbonell, **A Rudloff** (2021): Enabling large-scale hydrogen storage in porous media-the scientific challenges, *Energy and Environmental Science* Vol. 14, Issue 2, 853-864.

J Polet, PG Silver, S Beck, T Wallace, G Zandt, S Ruppert, R Kind, **A Rudloff** (2000): Shear wave anisotropy beneath the Andes from the BANJO, SEDA, and PISCO experiments, *JGR - Solid Earth* 105 (B3), 6,287-6,304.

A Rudloff, J Lauterjung, U Münch, S Tinti (2009): Preface "The GITEWS Project (German-Indonesian Tsunami Early Warning System)", *Natural Hazards and Earth System Sciences (NHES)* 9 (4), 1,381-1,382.

J Lauterjung, U Münch, **A Rudloff** (2010): The challenge of installing a tsunami early warning system in the vicinity of the Sunda Arc, Indonesia, *Natural Hazards and Earth System Sciences* 10 (4), 641.

PUBLICATIONS | METRICS

- **Google Scholar** | Citations (all): 1,082, Articles: 83, h-index: 8.
- **ORCHID-ID**: 0000-0001-8793-5455 | Works: 11.
- **Research Gate**: Research Interest Score: 576.8, 1,007 citations, 9,555 reads, h-index: 9.
- **Scopus** Author ID: 57199731129 | Documents by author: 11, Total Citations: 730, by 679 documents, 102 co-authors, h-index: 7.
- **Web of Science (WoS)** Research-ID: AAM-3304-2020 | Publications in WoS: 8, Sum of Times Cited: 650 (645 Citing Articles), h-index: 7.