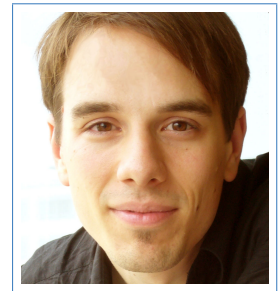


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Personal data

Citizenship German
Date of birth 17.04.1981 in Kassel, Germany

Work experience

since 03/2015 Research associate at the Department of Meteorology and Geophysics, University of Vienna, Austria

09/2009 - 12/2014 Research associate at the German Research Center of Geoscience (GFZ) Potsdam, Germany
Performance and data analysis of seismological experiments with focus on receiver-function-analysis of the TIPAGE-data collected in the Pamir/Central Asia
Organisation and performance of further seismic deployments
Publication of the results and writing the PhD thesis

08/2009 External associate at the GFZ: deployment of seismic stations in the Pamir

10/2008 - 12/2008 Research associate at the Institute for theoretical physics, TU-Berlin
Publication of the results from the diploma thesis

06/2005 - 03/2008 Student research assistant at the Institute for condensed matter physics, TU-Berlin
Preparation and performance of the demonstration experiments in the lectures Experimental physics I und II

09/2000 - 07/2001 Civil service:
assistance for disabled persons

Scientific Career

09/2009 - 06/2014 PhD Studies at the Department of Earth Sciences of Freie Universität Berlin
Thesis: *"Imaging an Intra-continental Subduction in Central Asia with Teleseismic Receiver Functions"* (Grade very good, thesis with distinction)

10/2001 - 08/2008 **Physics Studies**
Technical University of Berlin
Emphases in condensed matter physics (theoretical und experimental), functional analysis, nonlinear dynamics
Diploma thesis: *"Beeinflussung von neuronalen Erregungswellen durch raum - zeitliche Rückkopplung"*
Diploma grade: very good

10/2001 - 08/2004 **Mathematics Studies**
Technical University of Berlin

1991 - 2000 Secondary school (Engelsburg Gymnasium Kassel)

Research interests

Wave propagation

Geophysical imaging techniques and inversion problems

Lithospheric structure and tectonics

Publication list

Schneider, F. M.; Yuan, X.; Schurr, B.; Mechie, J.; Sippl, C.; Haberland, C.; Minaev, V.; Oimahmadov, I.; Gadoev, M.; Radjabov, N.; Abdybachaev, U.; Orunbaev, S.; Negmatullaev, S.

"Seismic imaging of subducting continental lower crust beneath the Pamir"

Earth and Planetary Science Letters, 375, 101-112 (2013).

Sipl, C.; Schurr, B.; Yuan, X.; Mechie, J.; **Schneider, F. M.**; Gadoev, M.; Orunbaev, S.; Oimahmadov, I.; Haberland, C.; Abdybachaev, U.; Minaev, V.; Negmatullaev, S.; Radjabov, N.:

"Geometry of the Pamir-Hindu Kush intermediate-depth earthquake zone from local seismic data"

Journal of Geophysical Research, 118, 4, 1438-1457 (2013).

Mechie, J.; Yuan, X.; Schurr, B.; **Schneider, F.**; Sippl, C.; Ratschbacher, L.; Minaev, V.; Gadoev, M.; Oimahmadov, I.; Abdybachaev, U.; Moldobekov, B.; Orunbaev, S.; Negmatullaev, S. :

"Crustal and uppermost mantle velocity structure along a profile across the Pamir and southern Tien Shan as derived from project TIPAGE wide-angle seismic data",

Geophysical Journal International, 188, 2, 385-407 (2012).

Schneider, F. M. et al. *"Moho depth distribution in the Pamir and Hindu Kush: Observation of extreme thick crust as consequence of intra-continental subduction"*

in preparation

Kind, R.; Eken, T.; Tilmann, F.; Sodoudi, F.; Taymaz, T.; Bulut, F.; Yuan, X.; Can B.; **Schneider, F. M.**

"Structure of the upper mantle beneath Anatolia resolved from S receiver functions"

submitted to Geophys. J. Int.

Schneider, F. M. ; Dahlem, M. A. ; and Schöll, E. :

"Controlling the onset of traveling pulses in excitable media by nonlocal spatial coupling and time delayed feedback",

Chaos 19, 015110 (2009).

Dahlem, M. A. ; **Schneider, F. M.** and Schöll, E. :

"Failure of feedback as a putative common mechanism of spreading depolarizations in migraine and stroke",

Chaos 18, 026110 (2008).

Dahlem, M. A. ; **Schneider, F. M.** and Schöll, E. :

"Efficient control of transient wave forms to prevent spreading depolarizations",

J. Theo. Biol. 251, 208 (2007).

Field campaigns

Deployment and service of temporal seismic stations

- 05/2014 Madagascar: Undeployment of seismic profile and areal network
- 04/2012-05/2012 Madagascar: Deployment of a seismic profile
- 10/2010 HIRE-Network, Sierra Nevada, Spain
- 07/2010-08/2010 TIPAGE network: Pamir , Tajikistan
- 03/2010 Chile: Maule earthquake after-shock campaign
- 08/2009 TIPAGE network, Pamir, Tajikistan

Presentations

- Talks:** AGU Fall Meeting, San Francisco, December 2013
Title: *"Subduction of lower continental crust beneath the Pamir imaged by receiver functions from the seismological TIPAGE network"*.
- EGU General Assembly, Vienna, April 2013
Title: *"Ongoing subduction of Eurasian continental crust beneath the Pamir constrained by teleseismic receiver functions"*.
- Annual Meeting of the German Geophysical Society (DGG), Leipzig, March 2013
Title: *"Ongoing subduction of Eurasian continental crust beneath the Pamir constrained by teleseismic receiver functions"*.
- Spring meeting of the German Physical Society (DPG), Berlin, February 2008
Title: *"Suppression of pulses in excitable media by delayed feedback and nonlocal coupling"*.
- Poster:** "EGU General Assembly", Wien, April 2012
"American Geophysical Union (AGU) Fall Meeting", San Francisco, Dezember 2011
"EGU General Assembly", Wien, April 2011
"AGU Fall Meeting", San Francisco, Dezember 2010
"EGU General Assembly", Wien, April 2010
"AGU Fall Meeting", San Francisco, Dezember 2009
"Conference On Functional Dynamics" (FuncDyn), Rothenburg o.d. Tauber, Sept. 2008
"Workshop on Complex Dynamics In Large Coupled Systems", Berlin November 2008

International experiences

- 05/2006 - 06/2006 Institute for Problems of Mechanical Engineering,
St. Petersburg, Russia (DAAD - GO EAST- Programme)
- 03/1998 - 04/1998 Student exchange: Ile de La Reunion, France