

**Seismic tomography for non-seismologists – methods & potential applications to imaging
mountain belts**
FU-Berlin, GeoCampus Lankwitz, House C, Room C014
February 1-2, 2018 (Thursday + Friday)

Thursday, February 1st, 2018:

single session 45 min+15 min discussion, double session 60 min + 15 min discussion

09:00-09:30 Coffee

09:30-09:45 Mark Handy (FU-Berlin) - *Introduction*

09:45-10:45 Eduard Kissling (ETH-Zürich) – *Overview and Introduction*

10:45-11:45 Andreas Fichtner (ETH-Zürich) – *Developments in full waveform inversion*

11:45-13:00 Lunch at Mensa, Group Picture

13:00-14:00 Trond Ryberg (GFZ-Potsdam) – *Bayesian approach in seismic tomography*

14:00-15:00 Heiner Igel (LMU-München) – *Numerical methods in tomography*

15:00-15:30 Coffee

15:30-16:45 Georg Rumpker (Frankfurt) / Frederik Tilmann (GFZ) - *Receiver functions*

16:45-17:30 Final discussion

19:00 Dinner in Berlin

Friday, February 2nd, 2018:

single session 45 min+15 min discussion, double session 60 min + 15 min discussion

08:30-09:00 Coffee

09:00-10:00 Thomas Meier (Kiel) – *Surface-wave tomography*

10:00-11:15 Christoph Sens-Schönfelder (GFZ) / Emanuel Kästle (Paris) – *Ambient noise Tomography*

11:15-12:30 Christian Haberland (GFZ-Potsdam) / Edi Kissling (ETH-Z) – *Local EQ Tomography*

12:00-13:30 Final discussion and open questions

13:30 – Possibility for further discussions and exercises if desired