

2nd Deep Earth Mini Symposium

Münster Nov 18th 2019 in Geo315 (Corrensstr 24 48149 Münster)

Program

9:00-9:40	Christian Maas (WWU)	On the dynamics of a terrestrial magma ocean under planetary rotation
9:40-10:20	Ed Garnero (Arizona State Univ)	Towards bridging the gap between seismic and geodynamic models of lower mantle structures
10:20-11:00	Sebastien Merkel (Univ. Lille)	Phase transitions in the lowermost mantle : Effect on microstructures and seismic reflexions
coffee		
11:20-11:40	Marcel Thielmann (Bay. GeoInstitut)	Ferropericlase control of lower mantle rheology: Impact of phase morphology
11:40-12:20	Andreas Stracke (WWU)	Earth's highly depleted mantle: geochemical evidence and geodynamic implications
12:20-12:40	Laura Cobden (Univ. Utrecht)	Probing mantle plumes using seismic arrays
12:40-13:00	Satoshi Kaneshima (Kyushu Univ)	Small scale heterogeneity and S-to-P scattering in the lower mantle near subduction zones
lunch		
14:00-14:40	Nathanael Schaeffer (Univ Grenoble)	Modelling and simulating geodynamo reversals
14:40-15:20	Wolfgang Szwillus (CAU Kiel)	Gravity perspective on the relation between deep and shallow Earth
15:20-15:40	Jeroen Ritsema (Ann Arbor)	On $d \ln V_s / d \ln V_p$ in the lowermost mantle
coffee		
16:16:40	Maureen Long (Yale)	Inferences on flow at the base of the mantle from seismic anisotropy
16:40-17:20	Matthew Comeau (WWU)	Determining lithospheric structures using the magnetotelluric method
17:20-17:40	Arno Rohrbach (WWU)	The redox state of the Earth's mantle
17:40-18:00	Christoph Sens-Schönfelder (GFZ)	High frequency PKP scattering
18:00-18:20	Maxime Maurice (DLR)	How magma ocean crystallization shapes the mantle
from 18:20	Cheese and Wine poster session	

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