

44. Sitzung der AG Seismologie

Berggießhübel / Pirna

Programm

Dienstag, 25. September 2018

Vorträge / Talks I: 14:00-15:30

Wolfgang Friederich:

Eröffnung der 44. Sitzung

K. Stammler, M. Dohmann, T. Grasse, M. Hanneken, E. Hinz, M. Hoffmann, E. Muhire, L. Menke, C. Müller, U. Stelling, E. Wetzig:

Bericht über das Seismologische Zentralobservatorium der BGR (SZO)

Angelo Strollo & GEOFON Team:

Neuigkeiten von GEOFON

A. Schloemer, J. Wassermann and DSEBRA Core Group:

DSEBRA – das Deutsche Seismologische Breitbandarray: Statusbericht

K. Lieser, D. Storchak, L. Brown, J. Harris, B. Shumba, R. Verney, D. Di Giacomo, K. Lentas:

Products of the International Seismological Centre (ISC) and the Bulletin Rebuild project

Vorträge / Talks II: 16:00-18:00

B. Schurr, H. Soto, J. Kummerow and C. Sippl:

Seismicity as probe for megathrust stress and rheology – fore- and aftershocks of the 2014 M8.1 Iquique, Chile earthquake

C. Valenzuela, S. Cesca, S. Ruiz:

Characterization of the spatio-temporal distribution of seismic clusters in Central Chile

C. Sippl, B. Schurr, T. John, S. Hainzl:

Filling the gap in a double seismic zone: Intraslab seismicity in Northern Chile

R. G. Green, C. Sens-Schönfelder, F. Tilmann, N. Shapiro, I. Koulakov, A. Jakovlev, I. Abkadyrov, E. Gordeev, B. Lühr:

Seismic imaging of the Klyuchevskoy Volcanic System, Kamchatka

A. El-Sharkawy, T. Meier, S. Lebedev, M. Hamada, L. Cristiano, C. Weidle, D. Köhn:

High resolution 3-D isotropic Rayleigh wave velocity model across the Alpine-Mediterranean mobile belt

L. Wiesenberg, C. Weidle, A. El-Sharkawy, T. Meier:

Ambient Noise Tomography across the Oman Ophiolite

Mittwochvormittag, 26. September 2018

Vorträge / Talks I: 9:00-10:30

M. Grund, J. Ritter:

Signatures of multi-layered and laterally varying anisotropy across Scandinavia

A. Verdecchia, E. S. Cochran, R. M. Harrington:

Poroelastic modeling of wastewater injection in southern Kansas

Hongyu Yu, R. M. Harrington, Bei Wang, and Yajing Liu:

Seismicity from a dense hydraulic fracturing stimulation monitoring array favors a fluid diffusion mechanism in the low-permeability shale formation in the Montney Basin, British Columbia

G. Mokolke, M. Joswig:

Results from high-resolution observation of seismic activity in the region of northern German gas fields near Rotenburg

M. Joswig:

Reprocessing the seismicity of the Rotenburg, Germany, region – indication for different source processes

Vorträge / Talks II: 11:00-12:30

G. Li and M. Joswig:

Synthetic Earthquake Catalogs by 3-D HM Modelling of Gas Production

M. Hensch, T. Dahm, J. Ritter, S. Heimann, B. Schmidt, S. Stange, K. Lehmann:

Tieffrequente Erdbeben unter dem Laacher See (1): Zeitlicher und räumlicher Ablauf, Herdparameter

T. Dahm, S. Heimann, M. Hensch, J. Ritter, B. Schmidt, S. Stange, K. Lehmann:

Tieffrequente Erdbeben unter dem Laacher See (2): Herdmechanismen und Vergleich mit Modellen

A. Plötz, W. Geissler, F. Krüger, C. Haberland, S. Shibaev, B. Baranov, D. Vollmer,

N. Tsukanov:

SIOLA- Seismicity and neotectonics of the Laptev sea region

A. J. Najafabadi, C. Haberland, M. Weber, M. Handy:

Local earthquake analysis in the Central Alps using the temporary SwathD network data

Mittwochnachmittag, 26. September 2018

Poster: 14:00-16:00

All authors / alle Autoren:

One-minute madness

S. Beiers, C. Thomas:

Influence of mantle structures on deviations of PKP waves

S. Donner, B. Hejrani, M. Mustac, H. Tkalcic, H. Igel:

The benefits of rotational motion: 1D versus 3D structure

V. Hiemer, C. Thomas:

Scattering in the lowermost mantle beneath the Caribbean

J. Klinge, S. Durand, C. Thomas:

Investigating the subsurface structure using wind turbine noise

G. Kulikova, R. Walker, F. Krüger:

Rupture processes of major earthquakes in the Borohoro Shan region (China)

Xiaolong Ma, C. Thomas:

Exploring small-scale heterogeneities in the lowermost mantle using PKP precursors

S. Mader, J. Ritter, K. Reicherter:

The Stress Transfer Project within 4D-MB and AlpArray

T. Neuffer, S. Kremers:

Systematische Untersuchungen an einem Windpark zur Bewertung des seismischen Rauschniveaus induziert durch Windenergieanlagen

A. Pisconti, C. Thomas and J. Wookey:

Discriminating between causes for D" anisotropy using reflections and splitting measurements for a single path

F. Rochira and C. Thomas:

Detecting structures in the mid mantle

M. Saki, C. Thomas:

Seismic evidence for mid-mantle reflectors beneath the North Atlantic

M. C. Schmidt-Aursch, H. Kirk:

DEPAS – Deutscher Geräte-Pool für Amphibische Seismologie

J. Stampa:

Bewertung der Anwendung eines AR-Pickers auf einen globalen Datensatz

C. Weidle, T. Meier, G. Hartmann, D. Becker, C. Hadziioanou, J. Bülow, D. Schulte-Kortnack, M. Thorwart, C. Pilger:

HELGA – Helgoland Array

L. Wiesenberg, F. Krüger, C. Weidle, T. Meier:

Structural analysis of the Oman using P- Receiver functions

S. A. Wirp, A.-S. Reiss, C. Thomas:

Using PP and SS precursors to analyze phase transition variations in the upper mantle at tectonic areas of the Caribbean plate

Mittwochnachmittag, 26. September 2018

Vorträge / Talks III: 16:00-18:00

C. Sens-Schönfelder, T. Eulenfeld:

Multiple constituents of solid earth tides observed with ambient seismic noise

A. Marrios Lontsi, A. Garcia-Jerez, J. C. Molina Villegas, F. J. Sanchez-Sesma, M. Ohrnberger, F. Krüger, M. Hobiger, C. Molkenthin, A. Shynkarenko, D. Fäh:

A generalized theory for full microtremor $H=V(z; f)$ spectral ratio interpretation in offshore and onshore environments

T. Forbriger:

Remarks on two observations of long period seismic noise

*P. Uta, T. Plenefisch, C. Brandes, C. Bönnemann, N. Gestermann, D. Kaiser, J. Winse-
mann:*

Re-evaluation of the 2004 Rotenburg M_L 4.5 Earthquake – Part 1: Analysis of Instrumental Data

*N. Gestermann, P. Uta, T. Plenefisch, C. Brandes, C. Bönnemann, D. Kaiser, J. Winse-
mann:*

Re-evaluation of the 2004 Rotenburg ML 4.5 Earthquake – Part 2: Macroseismic Analysis

K. Kemna, A. F. Pena Castro, R. M. Harrington, M. Roth, Y. Liu:

Source mechanisms of the seismicity generated by the Prosper-Haniel coal mine in Bottrop

Mitgliederversammlung: 20:00

Donnerstag, 27. September 2018

Vorträge / Talks: 9:00-10:30

T. Zieger, S. Nagel, P. Lutzmann, I. Kaufmann, J. R. R. Ritter, T. Ummenhofer, P. Fischer:
Seismic signals at wind turbines - Identification of vibrations in an interdisciplinary way

K. Stammler:

Identifikation von Steinbruchsprengungen per Korrelation

S. Mroczek, F. Tilmann, X. Yuan:

Ambient Noise Autocorrelations: Determination of V_p/V_s and anisotropy?

Vorträge / Talks: 11:00-12:00

T. Braun, S. Danesi, A. Morelli:

Duties and responsibilities of the Centre for Monitoring (of human activities) in the Sub-surface

T. Forbriger, R. Widmer-Schmidrig:

The search for a new VBB sensor in the GSN