Dienstag, 15. März 2016

Vorträge/Poster

6-B Geophysical Methods – Oral Session 2 – Seismik

Dienstag, 15. März 2016 | 09:00–10:30 | Raum: HS1
Moderation: Stefanie Donner

09:00–09:15 **6-B.001**
Data-driven near-surface velocity analysis
Guntern, C., Schwarz, B., Gajewski, D.

09:15–09:30 **6-B.002**
Wavefront-based joint passive source location and velocity inversion
Schwarz, B., Bauer, A., Gajewski, D.

09:30–09:45 **6-B.003**
A new filter function for diffraction separation with finite-offset CRS
Wissmath, S., Vanelle, C., Schwarz, B., Gajewski, D.

09:45–10:00 **6-B.004**
Improved stacking workflow for diffraction imaging
Walda, J., Schwarz, B., Gajewski, D.

10:00–10:15 **6-B.005**
Utilizing diffractions: wavefront-based tomography revisited
Bauer, A., Schwarz, B., Lotze, M., Werner, T., Gajewski, D.

10:15–10:30 **6-B.006**
Individual and joint 2-D elastic full waveform inversion of Rayleigh and Love waves
Wittkamp, F., Bohlen, T.

3-B Structure and Dynamics of the Earth's Crust and Lithosphere – Oral Session 2

Dienstag, 15. März 2016 | 09:00–10:30 | Raum: HS2
Moderation: Frederik Tilmann

09:00–09:15 **3-B.001**
A source model for the 2014/2015 seismic sequence accompanying the Bárðarbunga (Iceland) caldera collapse
Heimann, S., Dahm, T., Cesca, S., Hensch, M.

09:15–09:30 **3-B.002**
The Structure of the Mantle Lithosphere in Central Europe from S-Receiver Functions
Kind, R., Handy, M., Yuan, X., Meier, T.

09:30–09:45 **3-B.003**
Seismotectonics of the Pamir and the 1911/2015 M7 Sarez earthquake doublet
Schurr, B., Kulikova, G., Krüger, F., Metzger, S., Zhang, Y., Ratschbacher, L., Yuan, X.

09:45–10:00 **3-B.004**
Imaging the deep structure of the northeastern and eastern margins of the Tibet plateau
Mechie, J., Qian, H., Karplus, M., Feng, M., Li, H., Zhao, W.

10:00–10:15 **3-B.005**
Seismische Streuung und Dämpfung am Vulkan Ätna
Zieger, T., Sens-Schönfelder, C., Ritter, J.R.R.

10:15–10:30 **3-B.006**
1-D and 3-D velocity analysis of the West Bohemia seismic zone
Kieslich, A., Alexandrakis, C., Calò, M., Vavryčuk, V., Buske, S.

2-B Exploration and Monitoring – Oral Session 2 – Monitoring/Geothermal

Dienstag, 15. März 2016 | 09:00–10:30 | Raum: C1
Moderation: Nicolai Gestermann, Michael Becken

09:00–09:30 **2-B.001**
Using electromagnetic methods for geophysical monitoring
Ritter, O.

09:30–09:45 **2-B.002**
Fluid injection monitoring using electrical resistivity tomography – Five years of CO_2 injection at Ketzin, Germany
Bergmann, P., Schmidt-Hattenberger, C., Labitzke, T., Wagner, F.M., Just, A., Flechsig, C., Rippe, D.

09:45–10:00 **2-B.003**
Potential of ambient seismic noise techniques to monitor injection induced subsurface changes at the St. Gallen geothermal site
Obermann, A., Kraft, T., Wiemer, S.

10:00–10:15 **2-B.004**
An in-situ stimulation experiment in crystalline rock – seismo-hydro-mechanical response during hydraulic fracturing tests
Doetsch, J., Amann, F., Gischig, V., Jalali, M., Madonna, C., Evans, K., Valley, B., Giardini, D., Wiemer, S., Maurer, H.

10:15–10:30 **2-B.005**
Tiefe Geothermie–mögliche Umweltauswirkungen infolge hydraulischer und chemischer Stimulationen
Plenefisch, T., Brückner, L., Ceranna, L., Gestermann, N., Houben, G., Tischner, T., Wegler, U., Wellbrink, M., Bönnemann, C.

1-B Near Surface Geophysics – Oral Session 2

Dienstag, 15. März 2016 | 09:00–10:15 | Raum: C2
Moderation: Volkmar Schmidt

09:00–09:30 **1-B.001**
Ground-penetrating radar: a versatile geophysical tool to explore near-surface environments
Tronicke, J.

09:30–09:45 **1-B.002**
Helicopter-borne Ground Penetrating Radar Surveying of glacier beds using crossed antenna surveys
Rabenstein, L., Maurer, H., Langhammer, L., Bauder, A., Funk, M., Lathion, P., Schaer, P.

09:45–10:00 **1-B.003**
2D und 3D Strukturerkundung im subpolaren Permafrost mittels Georadar
Schennen, S., Tronicke, J., Schwamborn, G., Allroggen, N.

10:00–10:15 **1-B.004**
Hochauflösende 4D Georadar Messungen während kontrollierter Infiltrationsexperimente
Allroggen, N., Jackisch, C., Tronicke, J.

5-C Extraterrestrial Physics – Oral Session 3 – Planeten und kleine Körper

Dienstag, 15. März 2016 | 09:00–10:30 | Raum: HSAP
Moderation: Joachim Saur

09:00–09:30 **5-C.001**
Philae-Magnetfeldmessungen an 67/P
Auster, H.U., Heinisch, P., Glaßmeier, K.-H., Richter, I., Przyklenk, A.

09:30–09:45 **5-C.002**
MHD model of Mercury's magnetosphere
Brune, G., Saur, J.

09:45–10:00 **5-C.003**
Zonale Winde in der Venusatmosphäre
Tellmann, S., Pätzold, M., Häusler, B., Bird, M.K., Tyler, G.L., Hinson, D.P.

10:00–10:15 **5-C.004**
Dynamik und Temperaturen entlang der Morgen- und Abend-Terminatoren in der oberen Atmosphäre von Venus beobachtet mit erdgebundener Infrarot Spektroskopie
Krause, P., Sornig, M., Wiegand, M., Wischnewski, C., Stangier, T., Sonnabend, G., Herrmann, M., Kostiuk, T., Livengood, T.

10:15–10:30 **5-C.005**
Die Tropopausen Inversionsschicht in der Venusatmosphäre: neue Einblicke durch das Venus Express Radio Science Experiment (VeRa)
Herrmann, M., Oschlisniok, J., Remus, S., Tellmann, S., Häusler, B., Pätzold, M.

S1-B Structure and Dynamics of the Deep Earth and Planetary Interiors – Oral Session 2 – Mantle Dynamics

Dienstag, 15. März 2016 | 09:00–10:30 | Raum: A1
Moderation: Tobias Rolf

09:00–09:15 **S1-B.001**
A benchmark initiative on mantle convection with melting and melt segregation
Dohmen, J., Schmeling, H., Dannberg, J., Kalousová, K., Maurice, M., Noack, L., Plesa, A., Spiegelman, M., Thieulot, C., Tosi, N., Wallner, H.

09:15–09:30 **S1-B.002**
A complex melt-network and the effect of his geometrical properties on the shear viscosity of the matrix in a partially molten medium
Kruse, J.P., Schmeling, H.

09:30–10:00 **S1-B.003**
Consequences of magma ocean solidification for mantle dynamics and evolution
Tosi, N., Maurice, M., Plesa, A., Breuer, D.

10:00–10:15 **S1-B.004**
Effects of planetary rotation on crystal settling in a terrestrial magma ocean: Spherical shell model
Maas, C., Hansen, U.

10:15–10:30 **S1-B.005**
Compositional layering within the large low shear-wave velocity provinces (LLSVPs) in the lower mantle
Ballmer, M.

7-A History, Outreach and Education – Oral Session 1 – History

Dienstag, 15. März 2016 | 09:00–10:30 | Raum: O1
Moderation: Johannes Schweitzer

09:00–09:15 **7-A.001**
Wie Wegener mit Gegnern der Kontinentalverschiebung umging
Jacoby, W.

09:15–09:45 **7-A.002**
Historical seismogram reproductions for the source parameters determination of the 1902, Kashgar earthquake.
Kulikova, G., Krüger, F.

09:45–10:00 **7-A.003**
Instrumental magnitude constraints for the 1889 Chilik and the 1887 Verny earthquake, Central Asia
Krüger, F., Kulikova, G., Landgraf, A.

10:00–10:30 **7-A.004**
Christiaan Huygens' Sekundenpendel von 1658: wieviel Fuß misst eine Sekunde?
Fertig, J.

S3-B Data, Models, and Reality – Poster Session 1

Dienstag, 15. März 2016 | 10:30–12:00 | Raum: Foyer Chemie
Moderation: Alexander Gravyer

S3-B.001
Coupling geodynamic with thermodynamic modelling for reconstructions of magmatic systems
Rummel, L., Kaus, B., White, R.

S3-B.002
Geodynamic Inversion to Constrain the Nonlinear Rheology of the Lithosphere
Baumann, T.S., Kaus, B.

S3-B.003
Inversion of magnetotelluric data in a sparse model domain
Nittinger, C., Becken, M.

S3-B.004
Modeling Rotational Waves in Seismology
Abreu, R., Igel, H., Thomas, C., Ferreira, A.M.G., Kamm, J., Reiß, A.-S., Neff, P.

S3-B.005
Untersuchung nicht-stationärer Ozeanauflast in M2-Schweregezeiten anhand des ARTOFS Ozeanmodells
Schroth, E., Forbriger, T., Westerhaus, M.

S3-B.006
Analysis of the detection threshold of microseismic events in an urban sinkhole area using synthetic seismograms
Schneider, F., Heimann, S., Reichel, H., Becker, D.

S1-D Structure and Dynamics of the Deep Earth and Planetary Interiors – Poster Session 1

Dienstag, 15. März 2016 | 10:30–12:00 | Raum: Foyer Chemie
Moderation: Christine Thomas

S1-D.001
Behavior of mantle transition zone discontinuities beneath the Indian Ocean from PP and SS precursors
Reiß, A.-S., Thomas, C.

S1-D.002
Constraining density and velocity jumps across the 410 km discontinuity
Saki, M., Thomas, C., Cobden, L., Abreu, R.

S1-D.003
The Influence of Internal Heat Sources on Mantle Convection with Phase Transitions
Hellenkamp, P., Dude, S., Hansen, U.

S1-D.004
High quality normal mode strain observations at the Black Forest Observatory – an update
Widmer-Schnidrig, R., Zürn, W., Ferreira, A.M.G., Rivera, L.

S1-D.005
Can we explain the D" reflector with the post-perovskite phase transition?
Thomas, C., Cobden, L.

S1-D.006
Seismic analysis of the lower mantle beneath the Pacific using shear-wave travel-times and 3D synthetics
Abreu, R., Thomas, C., Ritsema, J.

S1-D.007
Roughness on the CMB
Schliffke, N., Hansen, U., Stein, C.

S1-D.008
Thermochemical Structures in the Deep Mantle: Implications for the Onset of Plate Tectonics
Stein, C., Hansen, U.

S1-D.009
Improving source array processing–Implications for array seismology
Heyn, B., Thomas, C.

S1-D.010
Is the Earth's solid inner core melting? Insights from illuminating mesoscale seismic structure
Attanayake, J., Cormier, V.F., Thomas, C.

S1-D.011
The effect of heterogeneous core-mantle boundary heat flux on thermo-chemical convection in planetary cores
Lüschow, V., Trümper, T., Hansen, U.

S1-D.012
The core structure of Mars as expected to be seen by InSight's seismometer
Hempel, S., Garcia, R.

S1-D.013
Some effects of multiple impacts on the thermochemical evolution of Mars
Ruedas, T.

1-F Near Surface Geophysics – Poster Session 2

Dienstag, 15. März 2016 | 10:30–12:00 | Raum: Foyer Physik
Moderation: Thomas Günther

1-F.001
Image Denoising of Migrated Ultrasonic Echo Data Acquired on Concrete
Sieber, S., Niederleithinger, E., Grohmann, M.

1-F.002
Architecture and seasonal variations of a terrestric CO2 degassing site using electric resistivity measurements and CO2 gas measurements
Nickschick, T., Flechsig, C., Kämpf, H.

1-F.003
Near-surface 2D shear wave velocity mapping of the Hartoušov CO_2 degassing area in the Cheb Basin, NW Bohemia (Czech Republic), using Multichannel Analysis of Surface Waves
Henke, M., Flores Estrella, H.

1-F.004
Untertägige Strukturerkundung in einem Salzkörper mit elektromagnetischen und seismischen Reflexionsverfahren
Musmann, P., Gundelach, V.

1-F.005
Erkundung der Jänschwalder Rinne mittels Geoelektrik und Gravimetrie
Dinsel, F., Rücker, C., Petzold, H., Börner, F.

5-D Extraterrestrial Physics – Oral Session 4 – Planeten und kleine Körper II

Dienstag, 15. März 2016 | 11:00–12:00 | Raum: HSAP
Moderation: Joachim Saur

11:00–11:15 **5-D.001**
Die globale Verteilung von Schwefelsäure in der Venusatmosphäre
Oschlisniok, J., Pätzold, M., Häusler, B., Tellmann, S., Bird, M.K., Andert, T.

11:15–11:30 **5-D.002**
Der Ursprung von kleinskaligen Störungen in der unteren Tagionosphäre des Mars
Peter, K., Pätzold, M., Molina-Cuberos, G., Witasse, O., Tellmann, S., Häusler, B., Bird, M.K.

11:30–11:45 **5-D.003**
3D-MHD modeling of the influence of Uranus' unusual magnetic field geometry on the magnetospheric structure
Koch, T., Saur, J.

11:45–12:00 **5-D.004**
Numerical Modeling of the Formation of Large Impact Basins on the Moon – A case-study of the Orientale Basin
Wünnemann, K., Zhu, M.-H.

S3 Data, Models, and Reality – Plenary Talk S3

Dienstag, 15. März 2016 | 13:00–14:00 | Raum: HS1
Moderation: Karin Sigloch

13:00–14:00 **PL–S3.001**
Multiscale imaging of the Earth–From sedimentary basins to the deep mantle
Fichtner, A., Afanasiev, M.

6-C Geophysical Methods – Oral Session 3 – Seismik

Dienstag, 15. März 2016 | 14:00–15:15 | Raum: HS1
Moderation: Bodo Lehmann

14:00–14:15 **6-C.001**
Parallele akustische Reverse-Time-Migration
Morgenstern, R., Hellwig, O., Buske, S.

14:15–14:30 **6-C.002**
3D Abbild im Bereich der KTB durch Anwendung der Fresnel Volumen Migration auf den ISO89 Datensatz
Hlousek, F., Buske, S.

14:30–14:45 **6-C.003**
Integrierte Scherwellen-Seismik bei einer 3D-Seismik für geothermische Exploration in München
Wawerzinek, B., Lüschen, E., Ziesch, J., Buness, H., Thomas, R., Fluch, M.

14:45–15:00 **6-C.004**
Anwendung der Wellenforminversion bei marinen Dual-Sensor-Streamer-Daten
Thiel, N., Kurzmann, A., Bohlen, T.

15:00–15:15 **6-C.005**
Einbindung von realistischen geologischen 3D Modellgeometrien in parallele seismische Finite-Differenzen-Simulationen
Hellwig, O., Zehner, B., Linke, M., Görz, I., Buske, S.

3-C Structure and Dynamics of the Earth's Crust and Lithosphere – Oral Session 3

Dienstag, 15. März 2016 | 14:00–15:15 | Raum: HS2
Moderation: Torsten Dahm

14:00–14:15 **3-C.001**
Velocity structure and earthquake cluster analysis in the West Bohemia Seismic Zone: A comparison from different earthquake swarms
Alexandrakis, C., Löberich, E., Calo, M., Vavryčuk, V., Buske, S.

14:15–14:45 **3-C.002**
The crustal structure along the 1999 Izmit/Düzce rupture of the North-Anatolian Fault
Rost, S., Taylor, G., Houseman, G., Cornwell, D., Thompson, D., Kahraman, M.

14:45–15:00 **3-C.003**
Kurzperiodische Arraymessungen am BFO: Potential für in-situ Störungssystem-Kartierung und regionale seismische Überwachung
Mokelke, G., Santoyo Campos, J.C., Joswig, M.

15:00–15:15 **3-C.004**
New seismic signatures from the cross-correlation of scattered wavefields in fault zone environments
Hillers, G., Campillo, M., Ben-Zion, Y., Roux, P.

2-C Exploration and Monitoring – Oral Session 3 – Geothermal

Dienstag, 15. März 2016 | 14:00–15:30 | Raum: C1
Moderation: Nicolai Gestermann

14:00–14:15 **2-C.001**
Temperature Sensor Module–A new tool for groundwater flow measurements
Michalski, A.

14:15–14:30 **2-C.002**
Reprocessing of a 3D seismic data set from a geothermal field in mid-southern Tuscany (Italy)
Jusri, T., Bertani, R., Dini, I., Ciuffi, S., Buske, S.

14:30–14:45 **2-C.003**
VSP in the Krafla Geothermal Field, NE-Iceland
Kästner, F., Halldórsdóttir, S., Hersir, G.P., Planke, S., Giese, R., Gunnarsson, K., Guðmundsson, A., Juliusson, E., Flóvenz, O.G.

14:45–15:00 **2-C.004**
Vertical seismic profiling & Piggy Back experiment in a geothermal area in mid-southern Tuscany
Schreiter, L., Thorwart, M., Bertani, R., Dini, I., Ciuffi, S., Rabbel, W., Buske, S.

15:00–15:15 **2-C.005**
Bruchzonen-Charakterisierung mithilfe quantitativer Auswertung reflektierter mikroseismischer Wellenformen
Oelke, A., Gutjahr, S., Kummerow, J., Reshetnikov, A., Shapiro, S.A.

15:15–15:30 **2-C.006**
Induced seismicity generated by numerical pore pressure modeling and poroelastic stress modeling: Case study Unterhaching geothermal reservoir
Kilicer, N., Dinske, C.

6-F Geophysical Methods – Oral Session 6 – Magnetotellurik und Elektromagnetik

Dienstag, 15. März 2016 | 14:00–15:30 | Raum: C2
Moderation: Kristina Tietze

14:00–14:15 **6-F.001**
Effect of seafloor topography on time domain marine electromagnetic method responses
Cai, J., Tezkan, B., Li, Y.

14:15–14:30 **6-F.002**
Three-dimensional inversion results for an all-at-once approach in magnetotellurics
Wilhelms, W., Börner, R.-U., Spitzer, K.

14:30–14:45 **6-F.003**
Magnetotellurik in Odenwald: eine Machbarkeitsstudie mittels multivariater Auswerteverfahren
Hering, P., Junge, A., Winter, H., Lauritsen, N.

14:45–15:00 **6-F.004**
Magnetotelluric exploration in San Felipe (Mexico) for geothermal purposes
Ruiz-Aguilar, D., Tezkan, B.

15:00–15:15 **6-F.005**
Controlled Source RMT Measurements in Vuoksa Region, Russia
Muttaqien, I., Tezkan, B.

15:15–15:30 **6-F.006**
Cluster Analysis to identify lithology from geophysical borehole data
Methe, P., Goepel, A., Kukowski, N.

5-E Extraterrestrial Physics – Oral Session 5 – Planeten und kleine Körper III

Dienstag, 15. März 2016 | 14:00–15:15 | Raum: HSAP
Moderation: Joachim Saur

14:00–14:30 **5-E.001**
The "EnEx–Enceladus Explorer Initiative"
Funke, O.

14:30–14:45 **5-E.002**
EnEx-RANGE–Akustische Navigationstechnologien in Eis für eine zukünftige Raumfahrtmission
Zierke, S., Eliseev, D., Heinen, D., Linder, P., Scholz, F., Weinstock, L.S., Wiebusch, C.

14:45–15:00 **5-E.003**
Magnetohydrodynamic model of Europa's interaction with Jupiter's magnetosphere: Influence of inhomogeneities in Europa's atmosphere on the plasma environment
Blöcker, A., Saur, J., Roth, L.

15:00–15:15 **5-E.004**
Structure and Density of Callisto's Atmosphere from a Kinetic Model of the Ionospheric Electron Population
Hartkorn, O., Saur, J., Strobel, D.F.

S1-C Structure and Dynamics of the Deep Earth and Planetary Interiors – Oral Session 3 – Core Dynamics and Planetary Interiors

Dienstag, 15. März 2016 | 14:00–15:30 | Raum: A1
Moderation: Claudia Stein

14:00–14:15 **S1-C.001**
The Layered Nature of Planetary Mantle Evolution
Dude, S., Hansen, U., Schuberth, B.S.A.

14:15–14:30 **S1-C.002**
Rough layers in planetary mantles
Hansen, U., Stein, C.

14:30–14:45 **S1-C.003**
The role of basin-forming impact in the global lunar evolution
Rolf, T., Zhu, M.-H., Wünnemann, K., Werner, S.

14:45–15:15 **S1-C.004**
Driving planetary dynamos: thermal, compositional, iron snow and stable layers
Christensen, U.

15:15–15:30 **S1-C.005**
Decadal and Intradecadal variation in Earth rotation – a probe of deep Earth processes
Holme, R.

S3-A Data, Models, and Reality – Oral Session 1

Dienstag, 15. März 2016 | 14:00–15:30 | Raum: O1
Moderation: Boris Kaus

14:00–14:15 **S3-A.001**
Comparison between the post-rift subsidence evolution of the Colorado Basin, SE South America, and the Orange Basin, SW Africa
Dressel, I., Scheck-Wenderoth, M.

14:15–14:30 **S3-A.002**
Tides to sense the Earth
Grayver, A., Schnepf, N., Kuvshinov, A., Nair, M., Sabaka, T., Olsen, N.

14:30–14:45 **S3-A.003**
The present-day geodynamics of the India-Asia collision system
Baumann, T.S., Kaus, B., Popov, A.A., Bauville, A.

14:45–15:00 **S3-A.004**
Stochastic inversion for permeability estimation in a hard-rock aquifer
Bruckmann, J.

15:00–15:15 **S3-A.005**
Permeability of fractured rocks – insights from mechanical and hydraulic simulations
Abe, S.

15:15–15:30 **S3-A.006**
Ein Erdbebeninformationsdienst mit Free und Open-Source Tools
Jüngling, S., Schroeder, M., Lühr, B.-G., Woith, H., Wächter, J.

S4-C Space Weather and Global Induction – Poster Session 1

Dienstag, 15. März 2016 | 15:30–17:00 | Raum: Foyer Chemie
Moderation: Miriam Sinnhuber, Alexey Kuvshinov, Thomas Wiegelmann

S4-C.001
Particle-induced NO production in the mesosphere and lower thermosphere measured by SCIAMACHY
Bender, S., Sinnhuber, M., Burrows, J., Langowski, M.

S4-C.002
Determining upper mantle electrical conductivity from solar quiet variations
Guzavina, M., Becken, M., Kuvshinov, A., Koch, S., Püthe, C.

S4-C.003
A numerical method for automated SSC detection using ground based magnetic observations
Brunke, H.-P., Matzka, J., Morschhauser, A., Stolle, C.

S4-C.004
Proton energy spectra during ground level enhancements as measured by EPHIN aboard SOHO
Heber, B., Herbst, K., Dresing, N., Klassen, A., Kühl, P.

S4-C.005
Mini neutron monitor measurements at the Neumayer III station and on the German research vessel Polarstern
Heber, B., Galsdorf, D., Gieseler, J., Herbst, K., Walter, M., Krüger, H.

7-C History, Outreach and Education – Poster Session 1

Dienstag, 15. März 2016 | 15:30–17:00 | Raum: Foyer Chemie
Moderation: Ellen Gottschämmer

7-C.001
M.Sc. Programme in Applied Geosciences and Applied Geophysics at RWTH Aachen University
Sieber, S., Wellmann, J.F., Heinzmann, K., Hruska, M., Clauser, C., Van der Kruk, J.

7-C.002
Masterstudiengang Geotechnologie mit Kernfach Angewandte Geophysik an der TU Berlin
Yaramanci, U., Börner, F.

7-C.003
Masterstudiengang „Physik der Erde und Atmosphäre“ Universität Bonn
Zoporowski, A., Kemna, A.

7-C.004
Der Masterstudiengang Physik mit geophysikalischem Schwerpunkt an der TU Braunschweig
Hördt, A.

7-C.005
Der Hamburger Masterstudiengang Geophysik
Vanelle, C., Dehghani, A., Becker, D.

7-C.006
Das MSc-Studium der Geophysik an der Friedrich-Schiller-Universität Jena
Kukowski, N., Jahr, T., Goepel, A., Paschke, M., Methe, P.

7-C.007
Masterstudiengang Geophysik am Karlsruher Institut für Technologie (KIT)
Gottschämmer, E., Bohlen, T.

7-C.008
The Master program „Physics of the Earth and Atmosphere“ at the Institute of Geophysics and Meteorology, University of Cologne
Gurk, M., Wennmacher, A.

7-C.009
Der Masterstudiengang „Geowissenschaften: Umweltdynamik und Georisiken“ an der Universität Leipzig
Schmidt, A., Korn, M., Ehrmann, W.

7-C.010
Der Masterstudiengang Geophysik in Münster
Hansen, U., Thomas, C., Becken, M., Stellmach, S., Schmidt, V., Schmalzl, J.

7-C.011
Universität Potsdam: Masterstudiengang Geowissenschaften (Vertiefungsrichtung Geophysik)
Tronicke, J., Krüger, F.

3-F Structure and Dynamics of the Earth’s Crust and Lithosphere – Poster Session 2

Dienstag, 15. März 2016 | 15:30–17:00 | Raum: Foyer Chemie
Moderation: Jörg Ebbing

3-F.001
Location and wavefield attributes of long-period signals at Villarrica volcano (Chile), determined by array and polarization-moveout analysis
Lehr, J., Thorwart, M., Rabbel, W.

3-F.002
Rayleigh Wave Azimuthal Anisotropy beneath the Hawaiian Swell–Evidence for plume-related mantle flow
Laske, G., Marzen, R.

3-F.003
New Gravity and Magnetics Maps of the Southern Part of the Baltic Sea
Dehghani, A.

3-F.004
NAF-Submarine Canyon in the Gulf Izmit of the Marmara Sea-Turkey
Senoz, M.

3-F.005
Kane Basin, Nares Strait: Sudden transition between undeformed sediments of Greenland and folded sediments of Ellesmere Island
Ehrhardt, A., Schnabel, M., Damm, V.

5-I Extraterrestrial Physics – Poster Session 1

Dienstag, 15. März 2016 | 15:30–17:00 | Raum: Foyer Chemie
Moderation: Thomas Wiegelmann

5-I.001
X-ray and EUV radiation of solar flares and its ionospheric response on GNSS measurements
Wenzel, D., Berdermann, J., Hoque, M.M., Jakowski, N.

5-I.002
The turbulent cascade near Earth: Total energy transfer and its calculation with third-order structure functions
Meinhardt, G., Saur, J., Banerjee, S.

5-I.003
Ionospheric behaviour during the solar eclipse of March 20, 2015
Danielides, M.

5-I.004
Effects of inclined star-disc encounter on protoplanetary disc size
Bhandare, A., Breslau, A., Pfalzner, S.

5-I.005
Constraints on the thermal, electrical and elastic properties of the Moon
Nawa, V.

5-I.006
Auswirkung der Plasmatemperatur auf MHD-Wellen bei der Interaktion eines Mondes mit dem umgebenden Plasma
Fischer, C., Saur, J., Blöcker, A.

5-I.007
Anelastic versus fully compressible rotating Rayleigh-Benard convection
Lischper, M.

5-I.008
Injection of solar energetic particles into both loop legs of a magnetic cloud
Dresing, N., Gómez-Herrero, R., Heber, B., Hidalgo, M.A., Klassen, A., Temmer, M., Veronig, A.

5-I.009
Dissipation Model for Solar Wind Turbulence by Kinetic Alfvén Waves at Electron Scales
Schreiner, A., Saur, J.

5-I.010
Determination of characteristics of solar energetic particle events near Earth based on neutron monitor data for the assessment of radiation dose rates at flight altitudes
Steigies, C., Bütikofer, R., Heber, B., Galsdorf, D.

5-I.011
Comparison of Optical and Radio Observations of Coronal Mass Ejection
Lu, L., Inhester, B., Feng, L.

5-I.012
Anisotropy in Solar Wind Turbulence Depending on the Local Magnetic Field Scales
Gerick, F., Saur, J., von Papen, M.

5-I.013
Anelastic Versus Fully Compressible Turbulent Rayleigh-Bénard Convection
Verhoeven, J., Stellmach, S., Wiesehöfer, T.

5-I.014
PANDOCA–Professional AviatioN DOse CAlculator
Matthiä, D., Meier, M.M.

5-I.015
Auto correlation length of increment time series
Link, T., Saur, J.

5-I.016
A Space Weather Index for the Radiation Field at Aviation Altitudes
Meier, M.M., Matthiä, D.

1-G Near Surface Geophysics – Poster Session 3

Dienstag, 15. März 2016 | 15:30–17:00 | Raum: Foyer Physik
Moderation: Thomas Günther

1-G.001
The influence of hydrogeological and structural conditions on geophysical measurements in the Geodynamic Observatory Moxa, Germany
Methe, P., Goepel, A., Jahr, T., Paschke, M., Schwarze, C., Ehrenmann, K., Esefelder, R., Iwakiri, S., Kukowski, N.

1-G.002
Nachweis einer elektrischen Leitfähigkeitsanisotropie im Rheinischen Schiefergebirge mit scheinbaren spezifischen Widerstandtensoren
Löwer, A., Junge, A., Günther, T., Grinat, M., Hering, P.

1-G.003
Monitoring of root systems at the field scale by means of electrical impedance tomography: a numerical feasibility study
van Treeck, S., Weigand, M., Kemna, A.

1-G.004
Electrical impedance spectroscopy measurements on plant roots: monitoring of day-night cycles of root activity
Stamm, M., Weigand, M., Kemna, A.

1-G.005
Kopplung von ERT (Electrical Resistivity Tomography) und DP-EC logs (Direct push electrical conductivity) für eine verbesserte geoarchäologische Interpretation
Wunderlich, T., Fischer, P., Rabbel, W., Vött, A., Willershäuser, T.

1-G.006
Untersuchung der Messgenauigkeit des CMD-MiniExplorers unter Feldbedingungen
Folkers, I., Wunderlich, T., Rabbel, W.

1-G.007
Limitations of shallow refraction seismic method
Seisa, H.H., Khalil, M.M., Khalil, M.M.

1-G.008
Methods for local dispersion curve estimation
Fernandez, M.R., Edme, P., Singh, S.

1-G.009
Tests zur Wellenforminversion der aus Ambient Noise ermittelten Green'schen Funktion zur Analyse des oberflächennahen Untergrundes
Wiesenberg, L., Meier, T.

1-G.010
Wellenforminversion zur Untersuchung der Verwitterung von Marmor
Steinkraus, T., Eckel, F., Sobott, R., Siegesmund, S., Meier, T., Auras, M.