EGU 2008 Meeting Programme

Geodynamics

Monday

GD1 Large-Scale Computing, Computing Environments and Visualization in the Geosciences

Convener: Yuen, D.
Co-Convener(s): Tackley, P.
Lecture Room 24
Chairperson: YUEN, D.

13:30–13:45; EGU2008-A-06932; GD1-1MO3O-001
Schmalzl, J.; Loddoch, A.
Visualization and data compression for multi-variable geophysical flow simulations (solicited)

13:45–14:00; EGU2008-A-09656; GD1-1MO3O-002
Stemmer, K.; **Harder, H.**; Hansen, U.
Massively parallel Simulations of Mantle and Core Flows in 3D spherical Shells

14:00–14:15; EGU2008-A-06200; GD1-1MO3O-003
Moder, C.; Oeser, J.; Mohr, M.; Schuberth, B.
Processing and visualization of mantle convection data with Paraview and VTK (solicited)

14:15–14:30; EGU2008-A-04287; GD1-1MO3O-004
Zhong, S. J.; McNamara, A. K.; Tan, E.; Moresi, L. N.; Gurnis, M.
A Benchmark Study for the Stokes Flow and Thermal and Thermochemical Convection for 3-D Spherical Shell Models (solicited)

14:30–14:45; EGU2008-A-09460; GD1-1MO3O-005
Geenen, T; van den Berg, A; Spakman, W
Scalable robust solvers for 3D unstructured modeling applications, solving the Stokes equation with large, localized, viscosity contrasts. (solicited)

14:45–15:00; EGU2008-A-09144; GD1-1MO3O-006
Boschi, L.; Peter, D.
Petascale computing and adjoint methods in global seismic tomography (solicited)

15:00 END OF SESSION

GD1 Large-Scale Computing, Computing Environments and Visualization in the Geosciences – Posters

Convener: Yuen, D.
Co-Convener(s): Tackley, P.
Display Time: Monday, 08:00–19:30
Authors in Attendance: Monday, 10:30–12:00
Poster Area Hall A
Chairperson: TACKLEY, P.

A0091; EGU2008-A-04864; GD1-1MO2P-0091
Yuen, D.A.; Greensky, J.B.; Knox, M.; Lyness, M.LF.; Kameyama, M.C.; Chen, S.; Damon, M.R.; Czech, W.
Interactive Visualization of 3-D Mantle Convection with Handheld Devices

A0092; EGU2008-A-05801; GD1-1MO2P-0092
Lin, L.
A simplified numerical model of 3-D subsurface flow and solute transport: model description and example verification

A0093; EGU2008-A-08355; GD1-1MO2P-0093
Tackley, P. J.
Using the yin-yang grid to model thermo-chemical mantle convection with large viscosity contrasts in a 3-D spherical shell

A0094; EGU2008-A-08998; GD1-1MO2P-0094
Thieulot, C.; Huismans, R.; Braun, J.
DOUAR, a new 3D creeping flow model for the solution of geological problems: some applications.

A0095; EGU2008-A-10711; GD1-1MO2P-0095
Krotkiewski, M.; Dabrowski, M; **Podladchikov, Y.Y.**
High resolution 3D modeling of heterogeneous parabolic and hyperbolic problems on structured meshes.

A0096; EGU2008-A-08967; GD1-1MO2P-0096
Døssing, ADA; Lars Stemmerik, LS; Hans Thybo, HT
Potential field modelling onshore-offshore central East Greenland

GD3 The Earth's Mantle - Geodynamical and Geochemical Models for the Structure and Composition (co-sponsored by EAG)

Convener: Deschamps, F.
Co-Convener(s): Becker, T., Hernlund, J.
Lecture Room 24
Chairperson: N.N.

8:30–9:00; EGU2008-A-03278; GD3-1MO1O-001
Rost, S.; Garnero, E.; McNamara, A.
Structure and Dynamics of ultra-low velocity zones at the core-mantle boundary (solicited)

9:00–9:15; EGU2008-A-09098; GD3-1MO1O-002
Beuchert, MJ; Podladchikov, YY; Simon, NSC
Numerical investigation of the dynamics of the equatorial Large Low Velocity Provinces in the Earth's deep mantle

9:15–9:30; EGU2008-A-02187; GD3-1MO1O-003
Deschamps, F.; Tackley, P.J.
Searching for models of thermo-chemical convection that fit probabilistic tomography

9:30–9:45; EGU2008-A-07399; GD3-1MO1O-004
Vatteville, J; **van Keken, P**; Davaille, A
Laminar thermal plumes in a cavity: laboratory and numerical models

9:45–10:00; EGU2008-A-04601; GD3-1MO1O-005
Trubitsyn, V.; Baranov, A.; Evseev, A.; Trubitsyn, A.
Influence an endothermic phase transition on mantle convection.

10:00 COFFEE BREAK

Chairperson: N.N.

10:30–10:45; EGU2008-A-02837; GD3-1MO2O-001
Lebedev, S
Upper-mantle discontinuities and gradients: Their origin, seismic expression and geodynamic significance

10:45–11:00; EGU2008-A-07385; GD3-1MO2O-002
Cizkova, H.; Cadek, O.; Matyska, C.; Yuen, D.A.
Creep parameters of post-perovskite and their influence on the deformation of slabs in the lowermost mantle

11:00–11:30; EGU2008-A-08664; GD3-1MO2O-003
Labrosse, S.; Hernlund, J.; Coltice, N.
The basal magma ocean (solicited)

11:30–11:45; EGU2008-A-10580; GD3-1MO2O-004
Costin, S. O.; Butler, S. L.
Implications of geochemical reservoirs and transport properties in D" on Earth's core thermal and magnetic evolution

11:45–12:00; EGU2008-A-04497; GD3-1MO2O-005
Salters, V; Bizimis, M; Mallick, S; Sachi-Kocher, A
Mantle Structure revealed through high Density Sampling of Ocean Ridges and Islands. (cancelled)

12:00 END OF SESSION

GD3 The Earth's Mantle - Geodynamical and Geochemical Models for the Structure and Composition (co-sponsored by EAG) – Posters

Convener: Deschamps, F.
Co-Convener(s): Becker, T., Hernlund, J.
Display Time: Monday, 08:00–19:30
Authors in Attendance: Monday, 13:30–15:00
Poster Area Hall A
Chairperson: N.N.

A0097; EGU2008-A-06884; GD3-1MO3P-0097
Morra, G.; Yuen, D.A.
Impact on Mantle Dynamics from Korteweg Stresses in Concert with Giant Fluctuations

A0098; EGU2008-A-03606; GD3-1MO3P-0098
RICHARD, G. ; SCHMELING, H.
Numerical models of two-phase : Benchmark time has come (cancelled)

A0099; EGU2008-A-09836; GD3-1MO3P-0099
Nakagawa, T.; **Tackley, P. J.**; Deschamps, F.; Connolly, J.
Deep thermo-chemical mantle dynamics in 3D spherical geometry incorporating a realistic phase diagram calculated by free energy minimization

A0100; EGU2008-A-12432; GD3-1MO3P-0100
Monnereau, M.; **Yuen, D.A.**
The Amount of Heat Coming from the Core scales with the Clapeyron Slope of the Post-Perovskite Transition

A0101; EGU2008-A-06436; GD3-1MO3P-0101
Tosi, N.; Cadek, O.
The role of thermal expansion and volume contractions on the slab's stress distribution

A0102; EGU2008-A-03892; GD3-1MO3P-0102
Davies, DR; Davies, JH
High vigour mantle convection simulations produce upwellings with Earth-like behaviour

A0103; EGU2008-A-01638; GD3-1MO3P-0103
Bock, M.; Regenauer-Lieb, K.; Lotze, M.; Wilke, T.; RÃ$^1/_4$cker, C.
Analysis of thermal induced flows in laboratory by geoelectrical 3-D tomography

A0104; EGU2008-A-08927; GD3-1MO3P-0104
Rogozhina, I.; Kaban, M.K.; Trubitsyn, V.
Modeling convection-related observables and mantle flow with the new combined spectral-iterative method.

A0105; EGU2008-A-08001; GD3-1MO3P-0105
Evseev, A.; Trubitsyn, V.; Baranov, A.; Trubitsyn, A.
Numerical models of subduction of the oceanic and continental crust.

A0106; EGU2008-A-11386; GD3-1MO3P-0106
Czechowski, L.
Interaction of lithosphere and mantle convection

A0107; EGU2008-A-05921; GD3-1MO3P-0107
Siret, D.; Poulet, T.; Regenauer-Lieb, K.; Connolly, J.A.D
PreMDB, a thermodynamically consistent material database as a key to geodynamic modelling

A0108; EGU2008-A-07759; GD3-1MO3P-0108
Sengul, E
Noise Cancelation in Time Series Example From Magnetotelluric Method

A0109; EGU2008-A-01588; GD3-1MO3P-0109
Peccerillo, A.; Panza, G.; Doglioni, C.; Frezzotti, M.L.; Audia, A.
Mantle anomalies, lithosphere-asthenosphere structure and magmatism in the Western Mediterranean: implications for geodynamics

A0110; EGU2008-A-10115; GD3-1MO3P-0110
Sharma, Kamal
Geodynamics evolution of Ultramafics of Southern Rajasthan, India

A0111; EGU2008-A-09863; GD3-1MO3P-0111
Ashchepkov, I.V.; Pokhilenko, N.P.; Vladykin, N.V.; Logvinova, A.M.; Kostrovitsky, S.I.; Afanasiev, V.P.; Pokhilenko, L.N.; Rotman, A.N.; Vishnyakova, E.V.; Khemelnikova, O.S.
Devononian-Carboniferous superplume influence on lithospheric keel of Siberian craton

A0112; EGU2008-A-11590; GD3-1MO3P-0112
Ashchepkov, I.V.; Pokhilenko , N.P.; Vladykin, N.V.; Logvinova, A.M.; Kostrovitsky, S.I.; Afanasiev, V.P; Pokhilenko , L.N.; Rotman, A.Y.; Vishnyakova, E.V.; Khemelnikova, O.S.
Geochemical features of mantle melts in lithospheric keel of Siberian craton

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IS73 - GD10/SSP27 Joint session: The link of deep and shallow lithospheric processes in sedimentary basins-ILP Task Force Sedimentary Basins and Dynamics of Sedimentary Basins - Evolution, Salt- and Fluid Dynamics (co-organized by GD & SSP)

Convener: Scheck-Wenderoth, M.
Co-Convener(s): Roure, F., Bayer, U., Marotta, A., Thybo, H.
Lecture Room 24
Chairperson: N.N.

15:30–15:45; EGU2008-A-06813; IS73 - GD10/SSP27-1MO4O-001
Corver, M. P.; Doust, H.; Van Wees, J-D; Bada, G.; Cloetingh, S.
Classification of rifted sedimentary basins according to their structural genesis and evolutionary history

15:45–16:00; EGU2008-A-11323; IS73 - GD10/SSP27-1MO4O-002
Rüpke, L. H.; Schmid, D. W.; Schmalholz, S. M.; Podladchikov, Y. Y.
Integrated basin modeling - linking lithosphere and sedimentary basin processes (solicited)

16:00–16:15; EGU2008-A-09037; IS73 - GD10/SSP27-1MO4O-003
Semprich, J.; Simon, N.; Podladchikov, Y.
Compression and subsequent phase transitionsas a mechanism for basin formation

16:15–16:30; EGU2008-A-11889; IS73 - GD10/SSP27-1MO4O-004
Sobolev, S.V.
The Dead Sea Basin as a unique natural experiment with surprising results about the lithospheric rheology (solicited)

16:30–16:45; EGU2008-A-01418; IS73 - GD10/SSP27-1MO4O-005
Petrunin, A.; Sobolev, S.V.
Factors controlling evolution of pull-apart basins – insight from numerical modeling

16:45–17:00; EGU2008-A-04689; IS73 - GD10/SSP27-1MO4O-006
Hölzel, M.; Decker, K.; Zámolyi, A.; Strauss, P.; Wagreich, M.
The transition from piggy back to pull apart in the Vienna Basin (Austria-Slovakia-Czech Republic)

17:00 COFFEE BREAK

Chairperson: N.N.

17:30–17:45; EGU2008-A-09294; IS73 - GD10/SSP27-1MO5O-001
Thybo, H.; Lyngsie, S.B.; Nielsen, C.
Flat Moho below rift zones (solicited)

17:45–18:00; EGU2008-A-03093; IS73 - GD10/SSP27-1MO5O-002
Reynisson, RFR; Ebbing, JE; Osmundsen, PTO
Discussion of the characteristics and origin of a high density lower crustal body on the Møre volcanic margin, offshore Norway, from 3D density and magnetic modelling

18:00–18:15; EGU2008-A-07051; IS73 - GD10/SSP27-1MO5O-003
Kadima, E.; Sebagenzi, S.; **Delvaux, D.**; Kabeya, M.
Tectonic versus Salt origin for the concealed tectonic structures of the Neoproterozoic and Phanerozoic in the "Cuvette Centrale" basin, Democratic Republic of Congo

18:15–18:30; EGU2008-A-02928; IS73 - GD10/SSP27-1MO5O-004
Backé, G.; Giles, D.; Baines, G.
The link between salt tectonics and basement faults in the Central Flinders Ranges, South Australia.

18:30–18:45; EGU2008-A-11843; IS73 - GD10/SSP27-1MO5O-005
Patin, P.; Mansy, M.; Zhou, Z.; Lamarche, L.; Xu, X.; Brunet, B.; Trentesaux, T.
4D basin analysis of the intra-continental Hefei Basin in correlation with adjacent Dabie Orogen (East China)

18:45–19:00; EGU2008-A-02174; IS73 - GD10/SSP27-1MO5O-006
Maystrenko, Y.; Bayer, U.; Scheck-Wenderoth, M.
3D structural model of the Central European Basin System (CEBS)

19:00 END OF ORAL SESSIONS

Chairperson: N.N.

19:00–19:15; EGU2008-A-08260; IS73 - GD10/SSP27-1MO6O-001
Sippel, J. ; Scheck-Wenderoth, M.; Reicherter, K.; Mazur, S.
Paleostress evolution along the inverted southern margin of the Central European Basin System (CEBS)

19:15–19:30; EGU2008-A-06051; IS73 - GD10/SSP27-1MO6O-002
Kley, J; Voigt, T
Is Late Cretaceous intraplate deformation in central Europe unrelated to the Alps?

19:30–19:45; EGU2008-A-00149; IS73 - GD10/SSP27-1MO6O-003
Magri, F.; Bayer, U.
Impact of anthropogenic activities on brine and heat transport processes in the Schleswig-Holstein region (Germany).

19:45–20:00; EGU2008-A-05513; IS73 - GD10/SSP27-1MO6O-004
Ibragimov, R.L.; **Plotnikova, I.N.**
Groundwater Hydrochemical Dynamics of the Crystalline Basement in the Volga-Ural Region

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20:00 END OF SESSION

IS73 - GD10/SSP27 Joint session: The link of deep and shallow lithospheric processes in sedimentary basins-ILP Task Force Sedimentary Basins and Dynamics of Sedimentary Basins - Evolution, Salt- and Fluid Dynamics (co-organized by GD & SSP) – Posters

Convener: Scheck-Wenderoth, M.
Co-Convener(s): Roure, F., Bayer, U., Marotta, A., Thybo, H.
Display Time: Monday, 08:00–19:30
Authors in Attendance: Monday, 08:30–10:00
Poster Area Hall A
Chairperson: N.N.

A0113; EGU2008-A-05522; IS73 - GD10/SSP27-1MO1P-0113
Gottikh, R.P.; Nourgaliev, D.K.; Pisotskiy, B.I.; **Plotnikova, I.N.**
The Anomalous Structure and Discrete Potential Fields of the Earth's Consolidated Crust as Factors Governing the Position of the Giant Romashkino Oil Field

A0114; EGU2008-A-05538; IS73 - GD10/SSP27-1MO1P-0114
Mutigullin, R. Kh; Korneevets, O.V.; **Plotnikova, I. N.**; Badalov, V.G.
The Resource Potential of Tatarstan and the Ways to Replenish Hydrocarbon Reserves

A0115; EGU2008-A-01249; IS73 - GD10/SSP27-1MO1P-0115
Dmitrievsky, A.; **Balanyuk, I.**; Akivis, T.; Chaikina, O.
Powerful processes of hydrocarbon migration and generation on great depths

A0116; EGU2008-A-03214; IS73 - GD10/SSP27-1MO1P-0116
Galushkin, Yu.I.; Sveshnikov, A.A.
Lithosphere thermal evolution in the buried structures of the deep-sea basin of the Black Sea and assessment of organic matter maturity

A0117; EGU2008-A-00637; IS73 - GD10/SSP27-1MO1P-0117
Vamvaka, A.; Spiegel, C.; Danisik, M.; Frisch, W.; Kilias, A.
First results of fission track thermochronology in the eastern Mesohellenic Trough (Greece)

A0118; EGU2008-A-12436; IS73 - GD10/SSP27-1MO1P-0118
Resak, M.; **Glasmacher, U.A.**; Narkiewicz, M.; Littke, R.
Permian-Paleogene temperature and burial evolution of the NW Polish Basin - evidenced by maturity modelling and apatite fission-track dating

A0119; EGU2008-A-08969; IS73 - GD10/SSP27-1MO1P-0119
Hirsch, K.; **Scheck-Wenderoth, M.**; Paton, D.; van Wees, J.; Cloetingh, S.
Forward models for the tectonic subsidence and the thermal history in the Orange Basin with implications from vitrinites reflectance data

A0120; EGU2008-A-04552; IS73 - GD10/SSP27-1MO1P-0120
Ali, M. Y.; Watts, A. B.
Stratigraphy, subsidence and uplift history, and tectonic evolution of the United Arab Emirates foreland basin

A0121; EGU2008-A-08715; IS73 - GD10/SSP27-1MO1P-0121
Elesin, Y.; Gerya, T.; Artemieva, I.; Thybo, H.
Geodynamic modelling of the role of magmatism in basin development

A0122; EGU2008-A-09169; IS73 - GD10/SSP27-1MO1P-0122
Andreev, A.V.
Reconstruction of the Devonian pull-apart basin of southern Ural, Russia

A0123; EGU2008-A-09196; IS73 - GD10/SSP27-1MO1P-0123
Clark, S.A.; Ritzmann, O.; Mjelde, R.; Faleide, J.I.; Flueh, E.; Thybo, H.
Preliminary results from the August 2007 PETROBAR wide-angle seismic profile, Barents Sea

A0124; EGU2008-A-04533; IS73 - GD10/SSP27-1MO1P-0124
Gernigon, L.; Marello, L.; Barrère, C.; Skilbrei, J.R.; Roberts, D.
Significance of the new BAS-06 aeromagnetic survey for a better understanding of salt tectonics and basin structure in the Barents Sea

A0125; EGU2008-A-03706; IS73 - GD10/SSP27-1MO1P-0125
Jähne, F.; Kley, J.
Basement block uplift along steep frontal faults or faulted basement flexures? The example of the Flechtingen uplift (Central Gemany)

A0126; EGU2008-A-11859; IS73 - GD10/SSP27-1MO1P-0126
Sippel, J. ; Scheck-Wenderoth, M.; Reicherter, K.; Mazur, S.
Stress field evolution during the inversion of the southern margin of the Central European Basin System (CEBS)

A0127; EGU2008-A-02791; IS73 - GD10/SSP27-1MO1P-0127
Bauer, F.U.; Zühlke, R.; Glasmacher, U.A.; Reiners, P.
The Sabiñánigo Sandstone Succession of the Jaca Basin, Southern Pyrenees, NE-Spain, a depositional model

A0128; EGU2008-A-02116; IS73 - GD10/SSP27-1MO1P-0128
Ennis, M.; Meere, P.A.; Timmerman, M.J.; Sudo, M.
Provenance of Upper Devonian Old Red Sandstone: evidence for Acadian Recycling of the Lower Devonian in the Munster Basin of southern Ireland

A0129; EGU2008-A-05050; IS73 - GD10/SSP27-1MO1P-0129
Hjelstuen, B.O.; Haflidason, H.; Sejrup, H.P.; Lysså, A.
Glacial sedimentary processes and depositional environments in fjord systems – evidence from Nordfjord, western Norway

A0130; EGU2008-A-08691; IS73 - GD10/SSP27-1MO1P-0130
Özeren, M. S.; Postacioglu, N.; Þengör, AMC; Özbakir, A. D.
A Green's function approach to the forward flexure problem in Eastern Anatolia

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GD15 What role do potential fields play on elucidating dynamic processes in the Earth? – Posters

Convener: Gross, R.
Co-Convener(s): Strykowski, G., Kaban, M., A. Ardalan, A.
Display Time: Monday, 08:00–19:30
Authors in Attendance: Monday, 13:30–15:00
Poster Area Hall A
Chairperson: N.N.

A0131; EGU2008-A-00407; GD15-1MO3P-0131
Dovbnich, M. M.; Demyanets, S. N.
Estimation of rotation regime variation and lunar-solar influence on the stress state of tectonosphere

A0132; EGU2008-A-08050; GD15-1MO3P-0132
Barletta, VR; Bordoni, A; Sabadini, R
Mantle viscosity inference comparing PGR with GRACE data at global scale

A0133; EGU2008-A-11980; GD15-1MO3P-0133
Hashemi, H.; A. Ardalan, A.
A study over direct tidal effect on the GRACE satellite observables

A0134; EGU2008-A-11982; GD15-1MO3P-0134
Hashemi, H.; A. Ardalan, A.
A study over indirect solid earth tide effect on the GRACE observables

A0135; EGU2008-A-08647; GD15-1MO3P-0135
Schaber, K.; Bunge, H.-P.; Malservisi, R.
Geoid calculations from a Mantle Circulation model

A0136; EGU2008-A-01643; GD15-1MO3P-0136
Hassan, Gamal
Geodynamical studies deduced from micro-gravity and geodetic data in Cairo region,Egypt

A0137; EGU2008-A-07587; GD15-1MO3P-0137
Prutkin, I.; Saleh, A.
Gravity and magnetic data inversion for 3D topography of the Moho discontinuity in the northern Red Sea area, Egypt

A0138; EGU2008-A-00211; GD15-1MO3P-0138
Boukerbout, H.; Gibert, D.; Abtout, A.
Interpretation of aeromagnetic, magnetic and gravimetric anomalies, in the NW of Algeria, in the case 3-D, using the continuous wavelet transform.

A0139; EGU2008-A-04941; GD15-1MO3P-0139
Safari, A.; Sharifi, M.A.
Realization of different height systems based on the solution of fixed boundary value problem

A0140; EGU2008-A-11984; GD15-1MO3P-0140
A. Ardalan, A.; Hashemi, H.
Evaluation of 80 geopotential models using line of sight micro-gravimetry observation of GRACE as the benchmark

A0141; EGU2008-A-04408; GD15-1MO3P-0141
Hatam, Y.; Djamour, Y.; Bayer, R.; Vanicek, P.; Abolghasem, A.M.; Hinderer, J.; Mohammad karim, M.; Najafi alamdari, M.; Cheraghi, H.; Saadat, R.; Physical Geodesy&Geodynamic
Designing and implementation of the multi-purpose physical geodesy and geodynamics network of Iran (MPGGNI2005)

Tuesday

GD5 The Origins of Melting Anomalies

Convener: Foulger, G.
Co-Convener(s): Sobolev, A.
Lecture Room 24
Chairperson: G.R. FOULGER

13:30–13:45; EGU2008-A-05925; GD5-1TU3O-001
Foulger, G.R.
Challenges to Plume and Plate – Telling it like it is

13:45–14:00; EGU2008-A-10727; GD5-1TU3O-002
Morgan, W.J.; Phipps Morgan, J.
Two-stage melting and noble gases

14:00–14:30; EGU2008-A-04435; GD5-1TU3O-003
Castro, M.C.
A primordial, solar-like He and Ne signature in Michigan Basin brines - basic two-layered mantle convection model assumptions revisited (solicited)

14:30–14:45; EGU2008-A-04574; GD5-1TU3O-004
Sobolev, A.V.; Hofmann, A.W.; Brugmann, G.; Batanova, V.G.; Kuzmin, D.V.
Linking crustal recycling and osmium isotopes

14:45–15:00; EGU2008-A-02368; GD5-1TU3O-005
Pilet, S.; Baker, M.B.; Stolper, E.M.
Origin of alkaline OIBs: constraints from experimental petrology and melting behavior

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15:00 COFFEE BREAK

Chairperson: G.R. FOULGER

15:30–15:45; EGU2008-A-07376; GD5-1TU4O-001
White, R.S.; Smith, L.K.; Roberts, A.W.; Christie, P.A.F; Kusznir, N.J.
The case for a thermal origin of magmatism on the North Atlantic continental margin

15:45–16:15; EGU2008-A-05872; GD5-1TU4O-002
Presnall, D.; Gudfinnsson, G.
Plumeless Oceanic Volcanism Challenges Whole Mantle Convection (solicited)

16:15–16:30; EGU2008-A-06846; GD5-1TU4O-003
Nielsen, S.B.; Stephenson, R.; Thomsen, E.
Dynamics of mid-Paleocene North Atlantic and African plate boundaries linked by European intra-plate deformations

16:30–16:45; EGU2008-A-09862; GD5-1TU4O-004
Coltice, N.; Phillips, B.R.; Bertrand, H.; Rey, P.; Ricard, Y.
Non-plume generation of large-scale melting beneath supercontinents

16:45–17:00; EGU2008-A-03051; GD5-1TU4O-005
Rocchi, S.; Marroni, M.; Pandolfi, L.; Mazzotti, A.; Di Biase, D.
Melting anomalies and tectonic activity on “passive” margins

17:00 COFFEE BREAK

Chairperson: G.R. FOULGER

17:30–17:45; EGU2008-A-05636; GD5-1TU5O-001
Wilson, M
Fluid streaming from the Transition Zone as a trigger for within-plate magmatism

17:45–18:00; EGU2008-A-04542; GD5-1TU5O-002
Rasskazov, S.; Chuvashova, I.; Yasnygina, T.
Cenozoic Magmatism in Asia: Geochemical Signatures of slab-related Processes

18:00–18:15; EGU2008-A-02970; GD5-1TU5O-003
Ivanov, A.V.; Litasov, K.D.
What is the role of subduction in the flood basalt origin?: Siberian Traps case study

18:15–18:30; EGU2008-A-07502; GD5-1TU5O-004
Jourdan, F.; Bertrand, H.; Féraud, G.; Le Gall, B.
Proterozoic to Jurassic LIP mantle source evolution: example from the 180Ma-Karoo and 1.1Ga-Umkondo provinces, Africa.

18:30–18:45; EGU2008-A-05073; GD5-1TU5O-005
Burov, E. ; Guillou-Frottier, L.; Huet, B.
Plume head–lithosphere interactions (PLI) near intracontinental plate boundaries and heterogeneities: a model based on thermo-mechanically and thermo-dynamically realistic formulation for the lithosphere and mantle

18:45–19:00; EGU2008-A-11240; GD5-1TU5O-006
Horner-Johnson, B.; **Gordon, R. G.**
Evidence for True Polar Wander since mid-Cenozoic time: A Paleomagnetic Investigation of the Skewness of Magnetic Anomaly 12r (32 Ma) Between the Galapagos and Clarion Fracture Zones on the Pacific Plate

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19:00 END OF SESSION

GD5 The Origins of Melting Anomalies – Posters

Convener: Foulger, G.
Co-Convener(s): Sobolev, A.
Display Time: Tuesday, 08:00–19:30
Authors in Attendance: Tuesday, 08:30–10:00
Poster Area Hall A
Chairperson: G.R. FOULGER

A0111; EGU2008-A-05350; GD5-1TU1P-0111
Jones, A P
Impact volcanism and upper mantle melting

A0112; EGU2008-A-00301; GD5-1TU1P-0112
Chuvashova, I.; **Rasskazov, S.**
Collision-derived Late Cenozoic Dynamics of a Melting Anomaly beneath Central Mongolia: magmatic and tectonic Evidence

A0113; EGU2008-A-02516; GD5-1TU1P-0113
Ivanov, A.V.; **Demonterova, E.I.**
Was depth of magma generation in the Baikal rift controlled by extension?

A0114; EGU2008-A-07637; GD5-1TU1P-0114
Jourdan, F.; Féraud, G.; Bertrand, H.
Giant dyke swarms and triple junctions do not necessarily define a mantle plume signature

A0115; EGU2008-A-00017; GD5-1TU1P-0115
Perchuk, L. L.
Mantle plume and the formation of marginal sea depressions

A0116; EGU2008-A-04873; GD5-1TU1P-0116
Gurenko, A.; Sobolev, A. V.; Hoernle, K.A.; Hauff, F.; Schmincke, H.-U.
Origin of pyroxenite component in the source of the Canary shield stage magmas constrained from olivine phenocryst - radiogenic isotope relationships

A0117; EGU2008-A-05806; GD5-1TU1P-0117
Serrano Durán, L; **Ferrari, L**; López Martínez, M
New Ages and Geochemical Data for Gorgona Island, Colombia: indication of a ˜30 Ma long history of heterogeneous mantle melting in the formation of the Caribbean Large Igneous Province

A0118; EGU2008-A-01570; GD5-1TU1P-0118
Puchkov, V.
On alternative models for the origin of time-progressive volcanic chains

A0119; EGU2008-A-07167; GD5-1TU1P-0119
Ballmer, M. D.; van Hunen, J.; Ito, G.; Tackley, P. J.; Bianco, T. A.
Non-hotspot volcano chains from small-scale sublithospheric convection (a 3D-numerical study)

A0120; EGU2008-A-07517; GD5-1TU1P-0120
Kipf, A.; Werner, R.; Gohl, K.; Hauff, F.; van den Bogaard, P.; Hoernle, K.
Age and origin of magmatism at the Marie Byrd Seamounts (Amundsen Sea)

A0121; EGU2008-A-07785; GD5-1TU1P-0121
O'Connor, J.; Stoffers, P.; Wijbrans, J.; Worthington, T.
A broad Galápagos hotspot melting anomaly linked to disturbance of the underlying core-mantle boundary?

A0122; EGU2008-A-05710; GD5-1TU1P-0122
Osmaston, M.F.
Thick plates and a two-layer mantle: basis for a single model of mantle magmagenesis, all the way from MORB to OIB to flood basalts to kimberlite (cancelled)

A0123; EGU2008-A-07469; GD5-1TU1P-0123
Sharma, Kamal
Rodinia supercontinent break-up: Not a result of Superplume tectonics

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GD15 What role do potential fields play on elucidating dynamic processes in the Earth?

Convener: Gross, R.
Co-Convener(s): Strykowski, G., Kaban, M., A. Ardalan, A.
Lecture Room 24
Chairperson: N.N.

10:30–10:45; EGU2008-A-06820; GD15-1TU2O-001
Koot, L.; Rivoldini, A.; de Viron, O.; Dehant, V.
Using VLBI measurements of nutation to estimate Earth internal structure parameters.

10:45–11:00; EGU2008-A-04733; GD15-1TU2O-002
Shen, W.B.; Chen, W.; Zhang, Zh.G.; Li, J.
The expanding Earth: evidences from temporary gravity fields and space-geodetic data

11:00–11:15; EGU2008-A-12042; GD15-1TU2O-003
Grafarend, E. W.; A. Ardalan, A.; Karim, R.
Towards Mars reference equipotential surface, reference ellipsoid and ellipsoidal harmonic coefficients

11:15–11:30; EGU2008-A-05174; GD15-1TU2O-004
Kaban, M.K.
Estimation of the effect of distant zones in gravity modeling of the lithosphere.

11:30–11:45; EGU2008-A-02063; GD15-1TU2O-005
Greco, F.; Currenti, G.; Del Negro, C.; Scandura, D.; Ganci, G.; Napoli, R.; Budetta, G.
14-year-long discrete gravity measurements at Etna volcano

11:45–12:00; EGU2008-A-05616; GD15-1TU2O-006
A. Ardalan, A.; Karimi, R.; Poutanen, M.
A boundary value problem approach to height datum unification

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12:00 END OF SESSION

IS12 - GD26/PS2.6 Comparative Terrestrial Planetology: Challenges in Numerical Simulations (co-organized by GD & PS)

Convener: Stemmer, K.
Co-Convener(s): Zhong, S.
Lecture Room 24
Chairperson: N.N.

8:30–8:45; EGU2008-A-08840; IS12 - GD26/PS2.6-1TU1O-001
Sotin, C.; Choblet, G.; Tobie, G.
Patterns of convection and surface expression of subsolidus convection within terrestrial planets and icy satellites (solicited)

8:45–9:00; EGU2008-A-07530; IS12 - GD26/PS2.6-1TU1O-002
Hansen, U.
Dynamical differentiation of a magma ocean (solicited)

9:00–9:15; EGU2008-A-04481; IS12 - GD26/PS2.6-1TU1O-003
Roberts, J. H.; Nimmo, F.
Tidal heating of Enceladus: Is there a subsurface ocean? (solicited)

9:15–9:30; EGU2008-A-04045; IS12 - GD26/PS2.6-1TU1O-004
Kiefer, W. S.; Li, Q.
Mantle plume volcanism on present-day Mars (solicited)

9:30–9:45; EGU2008-A-06194; IS12 - GD26/PS2.6-1TU1O-005
Ricard, Y.; Sramek, O.; Dubuffet, F.
Multi phase model of planetary evolution (solicited)

9:45–10:00; EGU2008-A-09121; IS12 - GD26/PS2.6-1TU1O-006
Tackley, P. J.; Nakagawa, T.; Deschamps, F.; Connolly, J.; Keller, T.; Schönholzer, S.; Crameri, F.; Aurnou, J. M.
Using an integrated petrological-geodynamical approach to model the thermo-chemical evolution of terrestrial planetary mantle, crust and core in 3-D spherical geometry (solicited)

10:00 END OF SESSION

IS12 - GD26/PS2.6 Comparative Terrestrial Planetology: Challenges in Numerical Simulations (co-organized by GD & PS) – Posters

Convener: Stemmer, K.
Co-Convener(s): Zhong, S.
Display Time: Tuesday, 08:00–19:30
Authors in Attendance: Tuesday, 10:30–12:00
Poster Area Hall A
Chairperson: N.N.

A0124; EGU2008-A-02085; IS12 - GD26/PS2.6-1TU2P-0124
Robuchon, G.; Choblet, G.; Tobie, G.
Exploring the relationship between internal dynamics and True Polar Wander

A0125; EGU2008-A-03646; IS12 - GD26/PS2.6-1TU2P-0125
Stein, C; Hansen, U
Mantle convection modeling: intermittent plate tectonics and dichotomy of Mars

A0126; EGU2008-A-09291; IS12 - GD26/PS2.6-1TU2P-0126
Keller, T.; Tackley, P. J.
Towards self-consistent modelling of the Martian dichotomy: The influence of degree-1 convection on crustal thickness distribution

A0127; EGU2008-A-01977; IS12 - GD26/PS2.6-1TU2P-0127
Zhong, S. J.
Net Rotation of Lithosphere-Shell Driven by One-plume Convection – A Unified Model for Crustal Dichotomy and Tharsis on Mars

A0128; EGU2008-A-09662; IS12 - GD26/PS2.6-1TU2P-0128
Duchoiselle, L.; Deschamps, F.; Tackley, P.J.
Heat flow scaling laws for thermal convection in spherical geometry

A0129; EGU2008-A-07177; IS12 - GD26/PS2.6-1TU2P-0129
van Heck, H.J.; Tackley, P.J.
Transitions in Tectonic Mode based on Calculations of self-consistent Plate Tectonics in a 3D spherical Shell

A0130; EGU2008-A-06558; IS12 - GD26/PS2.6-1TU2P-0130
Ziethe, R.; Nyffenegger, O.; Schröter, T.; Benz, W.
A Link Between Formation and Differentiation of Terrestrial Planets

A0131; EGU2008-A-05403; IS12 - GD26/PS2.6-1TU2P-0131
Duchoiselle, L.; Deschamps, F.; Tackley, P.J.
Heat flow scaling laws for thermal convection in spherical geometry

A0132; EGU2008-A-03647; IS12 - GD26/PS2.6-1TU2P-0132
Fahl, A; Stein, C; Hansen, U
Surface response of mantle convection: Results from numerical simulations

A0133; EGU2008-A-12389; IS12 - GD26/PS2.6-1TU2P-0133
Huettig, C.; Breuer, D.
Scaling laws for internally heated Newtonian fluids in three-dimensional spherical geometry

Wednesday

GD8 Modelling and Monitoring the Deformation and State of Stress of the Lithosphere (co-sponsored by the International Lithosphere Program Task Force VII)

Convener: Heidbach, O.
Co-Convener(s): Fischer, K., Friedrich, A., Jonsson, S.
Lecture Room 24
Chairperson: HEIDBACH, O.

13:30–14:00; EGU2008-A-10495; GD8-1WE3O-001
Funning, G ; Fukahata, Y; Yagi, Y; Parsons, B; Burgmann, R
Combining InSAR with other independent data to improve models of fault slip (solicited)

14:00–14:15; EGU2008-A-10205; GD8-1WE3O-002
Motagh, M.; Wang, R.; Walter, T.R.; Anderssohn, J.
Constraining the slip distribution of the Mw 8 Pisco (15 Aug 2007) and Mw 7.7 Tocopilla (14 Nov 2007) earthquakes with Wide Swath and Image Mode Interferometric Synthetic Aperture Radar

14:15–14:30; EGU2008-A-11381; GD8-1WE3O-003
Malservisi, R.; Hugentobler, U.; Wonnacott, R.; Chacko, R.
How rigid is a rigid plate? Geodetic constraint from the Kalahari craton, South Africa.

14:30–14:45; EGU2008-A-01765; GD8-1WE3O-004
Jahr, T.; Jentzsch, G.; Gebauer, A.; Lau, T.
Deformation, stress and seismicity induced by the large scale injection experiment at the KTB/Germany

14:45–15:00; EGU2008-A-09002; GD8-1WE3O-005
Fischer, K. D.; Bischoff, M.; Meier, T.; the EGELADOS working group
The 2006 Kythira (Greece) Earthquake: Observing and modelling sub-millimetre Deformations

15:00 COFFEE BREAK

Chairperson: FISCHER, K.

15:30–16:00; EGU2008-A-05111; GD8-1WE4O-001
Kaus, B.; Schmalholz, S.
Stress and strength of the continental lithosphere: constraints from geodynamic models. (solicited)

16:00–16:15; EGU2008-A-10614; GD8-1WE4O-002
Popov, A. A.; Sobolev, S. V.
Numerical modeling of lithospheric deformation

16:15–16:30; EGU2008-A-02092; GD8-1WE4O-003
Funiciello, F.; Faccenna, C.; Heuret, A.; Lallemand, S.; Di Giuseppe, E.; Becker, T.W.
Trench migration, net rotation and slab - mantle coupling

16:30–16:45; EGU2008-A-11460; GD8-1WE4O-004
Liu, M; Yang, Y
Reconcile short- and long-term crustal deformation in the southwestern US

16:45–17:00; EGU2008-A-09165; GD8-1WE4O-005
Hergert, T.; **Heidbach, O.**; Bécel, A.; Hirn, A.
4D stress and strain field of the Marmara Sea from numerical modelling

17:00 COFFEE BREAK

Chairperson: HEIDBACH, O.

17:30–17:45; EGU2008-A-10729; GD8-1WE5O-001
Lund, B.; Townend, J.
Calculating the Direction of Horizontal Stress from Partially Known Stress Tensors: Application to Seismically Estimated Stress Components (solicited)

17:45–18:00; EGU2008-A-08539; GD8-1WE5O-002
Keiding, M.; Lund, B.; Arnadottir, T.
The state of stress along the Reykjanes Peninsula oblique plate boundary, southwest Iceland

18:00–18:15; EGU2008-A-10269; GD8-1WE5O-003
Barth, A.; Wenzel, F.
Stress field and strain rate analysis for the Baikal region using new focal mechanisms

18:15–18:30; EGU2008-A-05528; GD8-1WE5O-004
Furlong, K.P.; Hayes, G.P.; Kamp, P.J.J
Deconstructing the New Zealand plate boundary: Implications for plate boundary formation,extent, and deformation

18:30–18:45; EGU2008-A-06817; GD8-1WE5O-005
van Benthem, S. ; Govers, R.
Dynamics of the Caribbean and Panama plates

18:45–19:00; EGU2008-A-06954; GD8-1WE5O-006
Delvaux, D.; Smets, B.; Wauthier, C.; Macheyeki, A.S.; d'Oreye, N.; Oyen, A.; Kervyn, F.
Surface ruptures associated to the July-August 2007 Gelai volcano-tectonic event, North Tanzania

19:00 END OF SESSION

GD14 From depth to surface: Surface motion and deformation forced by crust-mantle processes

Convener: Spakman, W.
Lecture Room 24
Chairperson: SPAKMAN, W

19:00–19:15; EGU2008-A-04293; GD14-1WE6O-001
Manea, V.C.; Pérez-Gussinyé, M.; Manea, M.; Zlotnik, S.; Fernandez, M.
Influence of upper plate structure and mantle viscosity on subduction geometry in South America: insights from numerical modeling

19:15–19:30; EGU2008-A-07251; GD14-1WE6O-002
Plattner, C. ; Malservisi, R.; Govers, R.
Do stalled slab fragments drive Baja California?

19:30–19:45; EGU2008-A-08857; GD14-1WE6O-003
Stein, H.J.; Yang, G.; Hannah, J.L.; Zimmerman, A.; Pandit, M.K.; Raut, P.K.; Gaina, C.; Torsvik, T.H.
Plumes with gold and no LIPs: Knowing where the hot spots are

19:45–20:00; EGU2008-A-10732; GD14-1WE6O-004
Beklemishev, A.; Budanov, V.; **Kalinina, A.**; Dubovskoy, V.; Leontiev, V.
New approach for geodynamical investigation of covered fracture zones and field geophysical ingenious technologies related to it. Eastern Carpatians (Vranchea zone) and Russian platform examples.

20:00 END OF SESSION

GD20 Modern possibilities for Crustal deformation monitoring

Convener: A. Ardalan, A.
Co-Convener(s): Grafarend, E.
Lecture Room 23
Chairperson: ARDALAN, A. AND GRAFAREND, W.

17:30–17:45; EGU2008-A-11325; GD20-1WE5O-001
Grund, V.; Klotz, J.; Rothacher, M.; Steigenberger, P.
Sensitivity study of velocity estimates in local GPS campaigns (solicited)

17:45–18:00; EGU2008-A-12359; GD20-1WE5O-002
A. Ardalan, A.; Raoofian, M.
A comparative study among computation techniques for deformation analysis based on repeated geodetic observations

18:00–18:15; EGU2008-A-12286; GD20-1WE5O-003
Nankali, H. R.; Djamour, Y.; Mosavi, Z.; Sedighi, M.
New strain field In Iran; insight from GPS and numerical modeling

18:15–18:30; EGU2008-A-05908; GD20-1WE5O-004
Ardalan, A.A.; Joodaki, G.; Sharifi, M.A.
A satellite gravimetric approach to the crustal deformation monitoring, Case study: Detection of the crustal deformation caused by Sumatra-Andaman and Nias earthquakes using GRACE data

18:30–18:45; EGU2008-A-12276; GD20-1WE5O-005
Roohi, Sh.; Jamour, Y.
Noise analysis of the time series of permanent GPS stations in Iran for precise crustal deformation monitoring

18:45–19:00; EGU2008-A-11985; GD20-1WE5O-006
A. Ardalan, A.; Nafisi, V.
A data fusion technique for combined application of geodetic and geotechnical observations for crustal and structural deformation monitoring

19:00 END OF SESSION

GD20 Modern possibilities for Crustal deformation monitoring – Posters

Convener: A. Ardalan, A.
Co-Convener(s): Grafarend, E.
Display Time: Wednesday, 08:00–19:30
Authors in Attendance: Wednesday, 08:30–10:00
Poster Area Hall A
Chairperson: N.N.

A0067; EGU2008-A-00598; GD20-1WE1P-0067
Diaconescu, M.; **Placinta, A.O.**; Moldovan, I.A.; Constantin, P.A.; Lazar, D.
Caracterization of the seismic sources from Black Sea areal

A0068; EGU2008-A-07669; GD20-1WE1P-0068
Mokhtari, M.; Abdollahie Fard, I.; Hessami, K.
Relevance of identification of structural framework on potential of tsunami on the Makran coast, Oman Sea

A0069; EGU2008-A-10328; GD20-1WE1P-0069
Sharifi, M. A.; Nafisi, V.
Low-degree gravity field harmonics coefficients derived from IGS stations

A0070; EGU2008-A-11790; GD20-1WE1P-0070
Raoofian, M
Intrinsic deformation analysis of geodynamic network of Iran based on GPS

A0071; EGU2008-A-07995; GD20-1WE1P-0071
Gharebaghi, A.; ZAre, A.
Influence of Calibration of GPS antenna phase center variation in the deformation study

IS13 - GD27/MPRG17 Core Dynamics and Planetary Dynamos (co-organized by GD & MPRG)

Convener: Wicht, J.
Co-Convener(s): Jault, D., Finlay, C.
Lecture Room 24
Chairperson: N.N.

8:30–9:00; EGU2008-A-08130; IS13 - GD27/MPRG17-1WE1O-001
Tarduno, J A; Cottrell, R D; Watkeys, M K; Hofmann, A
Constraints on Earth's oldest magnetic field (solicited)

9:00–9:15; EGU2008-A-06795; IS13 - GD27/MPRG17-1WE1O-002
Aubert, J.; Labrosse, S.
Was the Early Earth dynamo reversing its polarity?

9:15–9:30; EGU2008-A-03880; IS13 - GD27/MPRG17-1WE1O-003
Wicht, J.; Aubert, J.
Towards understanding geomagnetic field reversals

9:30–10:00; EGU2008-A-05292; IS13 - GD27/MPRG17-1WE1O-004
Fournier, A; Alboussière, T; Canet, E; Cardin, P; Gillet, N; Jault, D; Pais, A
Assimilation of geomagnetic observations: Foundations and challenges (solicited)

10:00 COFFEE BREAK

Chairperson: N.N.

10:30–10:45; EGU2008-A-10730; IS13 - GD27/MPRG17-1WE2O-001
Kuang, W; Tangborn, A; Wei, Z
Peeking into the future geomagnetic field via geomagnetic data assimilation

10:45–11:00; EGU2008-A-04318; IS13 - GD27/MPRG17-1WE2O-002
Tangborn, A.; Kuang, W.; Sun, Z.; Wei, Z.
Estimating error statistics in geomagnetic data assimilation

11:00–11:15; EGU2008-A-02072; IS13 - GD27/MPRG17-1WE2O-003
Evonuk, M.; Glatzmaier, G.
Fully convective giant planets: internal dynamics and implications for thin shell convection

11:15–11:45; EGU2008-A-08265; IS13 - GD27/MPRG17-1WE2O-004
Berhanu, m B; VKS collaboration, VKS; VKS collaboration
new results on the VKS experimental turbulent dynamo (solicited)

11:45–12:00; EGU2008-A-06499; IS13 - GD27/MPRG17-1WE2O-005
Spence, E.; Nornberg, M.; Bayliss, A.; Kendrick, R.; Forest, C.
Magnetic field growth in the Madison Dynamo Experiment (solicited)

12:00 END OF SESSION

IS13 - GD27/MPRG17 Core Dynamics and Planetary Dynamos (co-organized by GD & MPRG) – Posters

Convener: Wicht, J.
Co-Convener(s): Jault, D., Finlay, C.
Display Time: Wednesday, 08:00–19:30
Authors in Attendance: Wednesday, 17:30–19:00
Poster Area Hall A
Chairperson: N.N.

A0072; EGU2008-A-00878; IS13 - GD27/MPRG17-1WE5P-0072
Brestensky, J.; Benerji Babu, A.; Soltis, T.
Hydromagnetic instabilities in equatorial regions of the Earth's core influenced by anisotropic diffusive coefficients

A0073; EGU2008-A-10854; IS13 - GD27/MPRG17-1WE5P-0073
Soltis, T.; **Brestensky, J.**
Hydromagnetic instabilities in polar regions of the Earth's core influenced by anisotropic diffusive coefficients

A0074; EGU2008-A-05079; IS13 - GD27/MPRG17-1WE5P-0074
Krasnoshchekov, D.; Ovtchinnikov, V.; Kaazik, P.
Fine structure of the Earthâ????s outermost solid core from PKiKP coda waves

A0075; EGU2008-A-11394; IS13 - GD27/MPRG17-1WE5P-0075
Stellmach, S; King, E; Aurnou, J; Hansen, U
Dynamical regimes in rotating Rayleigh-Benard convection

A0076; EGU2008-A-02003; IS13 - GD27/MPRG17-1WE5P-0076
Stefani, F.; Gerbeth, G.; Gundrum, Th.; Szklarski, J.; Ruediger, G.; Hollerbach, R.
Helical magnetorotational instability in a liquid metal experiment with reduced Ekman pumping

A0077; EGU2008-A-11077; IS13 - GD27/MPRG17-1WE5P-0077
Dumberry, M; Mound, J
Constraints on core-mantle electromagnetic coupling from torsional oscillation normal modes

Thursday

GD8 Modelling and Monitoring the Deformation and State of Stress of the Lithosphere (co-sponsored by the International Lithosphere Program Task Force VII) – Posters

Convener: Heidbach, O.
Co-Convener(s): Fischer, K., Friedrich, A., Jonsson, S.
Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 10:30–12:00
Poster Area Hall A
Chairperson: FISCHER, K.

A0087; EGU2008-A-08582; GD8-1TH2P-0087
Talich, M.
Determination of strain tensors from repeated geodetic measurement by web application

A0088; EGU2008-A-06959; GD8-1TH2P-0088
Splendore, R.; Marotta, A. M.; Barzaghi, R.; Borghi, A.; Cannizzaro, L.
SISMA project - Seismic Information System for Monitoring and Alert - present-day surface tectonic stress field at the regional scale in the Tyrrhenian area

A0089; EGU2008-A-04570; GD8-1TH2P-0089
Haderka, P.; Galybin, A.N.
On Identification Of Stresses In Tectonic Plates: Plastic And Elastic Models

A0090; EGU2008-A-06126; GD8-1TH2P-0090
Moser, E.; **Reuther, C.-D.**
Monitoring the State of Stress in the uppermost crust by measuring geogenic electromagnetic radiation

A0091; EGU2008-A-06102; GD8-1TH2P-0091
Reuther, C.-D.; Moser, E.
Current stress directions in the uppermost crust of South America between 30° and 55° S

A0092; EGU2008-A-08094; GD8-1TH2P-0092
Özeren, M. S.; Haines, A. J.
Anisotropic variance-covariance operators to constrain fault conditions in dynamical inversions

A0093; EGU2008-A-04783; GD8-1TH2P-0093
Postek, E.W.; Houseman, G.A.; Jimack, P.K.
Generic Models of Linear and Non-linear Visco-elastic Surface Deformation above a Fault

A0094; EGU2008-A-02657; GD8-1TH2P-0094
Karow, T.; Hampel, A.
Finite-element models on spatiotemporal variations in the slip rates of active faults caused by postglacial unloading and rebound

A0095; EGU2008-A-04309; GD8-1TH2P-0095
Zhong, S. J.; Watts, A. B.; Engen, O
Loading of Young Sediments on Oceanic Lithosphere near Knipovich Ridge in the North Atlantic and its Implications for Bathymetry and Mantle and Lithospheric Rheology

A0096; EGU2008-A-06296; GD8-1TH2P-0096
Wang, L.; Wang, R.; Roth, F.; Enescu, B.
An Estimation of Viscosities based on postseismic Deformation of the Ýzmit Earthquake

A0097; EGU2008-A-08822; GD8-1TH2P-0097
Tzoumerkiotis, E.; Fischer, K. D.
Dynamics of a subducting Slab: Influence of rheological Parameters

A0098; EGU2008-A-10511; GD8-1TH2P-0098
Shahpasandzadeh, M.; Koyi, H.; Nilforoushan, F.
An experimental approach to active tectonics of the Alborz Mountains, northern Iran

A0099; EGU2008-A-00043; GD8-1TH2P-0099
Nankali, H.R.; Vosoughi, B.; Soboutie, F.; Hessami, K.; Abolghasem, A.
3D Numerical Lithospheric Modeling Constraint on GPS

A0100; EGU2008-A-10228; GD8-1TH2P-0100
Shirzaei, M.; Motagh, M.; Walter, T.h.; Golamzadeh, A.; Yamini-Fard, F.
Earthquake mechanism and stress transfer induces salt diapir deformation: Results from hybrid inversion of d-InSAR and aftershock data of the Nov 27 2005 Qeshm Island earthquake, Iran

A0101; EGU2008-A-07971; GD8-1TH2P-0101
Wang, R.; Motagh, M.; Walter, T.
Inversion of slip distribution from co-seismic deformation data by a sensitivity-based iterative fitting method

A0102; EGU2008-A-06895; GD8-1TH2P-0102
Neves, M.; **Paiva, L.**; Vales, D.
Modelling the slip potential fault activity in the Horseshoe Abyssal Plain (Gulf of Cadiz): implications for seismic hazard (cancelled)

A0103; EGU2008-A-07913; GD8-1TH2P-0103
Perez-Peña, A.; **Garate, J.**; Martin Davila, J.; Berrocoso, M.
Deformation model in South of Spain and North of Africa region from GPS episodic surveys

A0104; EGU2008-A-02864; GD8-1TH2P-0104
Di Giuseppe, E. ; van Hunen, J.; Funiciello, F.; Faccenna, C.; Giardini, D.
The role of the plate stiffness in trench migration: Insights from numerical models

A0105; EGU2008-A-09083; GD8-1TH2P-0105
Heidbach, O.; Müller, B.; Buchmann, T.; Peters, G.; Oth, A.; Nuckelt, A.
Farewell signals of slab break-off in Vrancea, Romania from observation and numerical modelling

A0106; EGU2008-A-08002; GD8-1TH2P-0106
Dombrádi, E.; Sokoutis, D.; Bada, G.; Cloetingh, S.; Horváth, F.
Large-scale lithospheric folding controlling active deformation and topography development in the Pannonian basin: insights from analogue modelling

A0107; EGU2008-A-04885; GD8-1TH2P-0107
Manea, V.C.; Manea, M.; Besutiu, L.; Tumanian, M.
Thermal stress field and seismicity beneath the Vrancea relict subduction zone

A0108; EGU2008-A-06994; GD8-1TH2P-0108
Delvaux, D.; Smets, B.; Wauthier, C.; Macheyeki, A.S.; Sariah, E.; d'Oreye, N.; Oyen, A.; Kervyn, F.
Tectonic setting of the July-August 2007 Gelai volcano-tectonic event, North Tanzania

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GD14 From depth to surface: Surface motion and deformation forced by crust-mantle processes – Posters

Convener: Spakman, W.
Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 13:30–15:00
Poster Area Hall A
Chairperson: N.N.

A0553; EGU2008-A-05662; GD3-1TH3P-0553
Manea, V.C.; Manea, M.; Ferrari, L.
3D geodynamic modeling of slab detachment

A0554; EGU2008-A-04883; GD3-1TH3P-0554
Manea, V.C.; Gurnis, M.
The quest for a missing key parameter: controlling the slab dip evolution in subduction systems

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GD18 Cretaceous-Tertiary Plate Kinematics, Continental Breakup and Sea-Floor Spreading History of the Northern North Atlantic and Arctic Ocean

Convener: Kusznir, N.
Co-Convener(s): Sibuet, J.
Lecture Room 24
Chairperson: N.N.

8:30–8:45; EGU2008-A-08161; GD18-1TH1O-001
Engen, O.; **Faleide, J. I.**
Opening of the Fram Strait gateway: a review of plate tectonic constraints

8:45–9:00; EGU2008-A-03499; GD18-1TH1O-002
Geissler, W.H.; Jokat, W.; Voss, M.
Seismic and aeromagnetic investigations of the northwestern Yermak Plateau

9:00–9:15; EGU2008-A-06115; GD18-1TH1O-003
Ball, P.J.; Gaina, C.; Walker Hurst, N.; Torsvik, T.H.
Plate tectonic modelling and retro-deformation of passive margins: The Norwegian-Greenland Sea

9:15–9:30; EGU2008-A-03434; GD18-1TH1O-004
Ehlers, B.-M.; Jokat, W.
A palaeobathymetric study of the northern North Atlantic

9:30–9:45; EGU2008-A-06593; GD18-1TH1O-005
Alvey, A.; Kusznir, N.J.; Torsvik, T.H.; Gaina, C.
Refining Plate Reconstruction Models Using OCT Location & Continental Extension Predicted by Gravity Inversion for the North Atlantic Rifted Margins

9:45–10:00; EGU2008-A-08755; GD18-1TH1O-006
Kopp, M.
The Cenozoic intraplate deformation of the Northwestern Eurasia as a result of active processes at the Eurasian plate boundaries

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10:00 END OF SESSION

GD18 Cretaceous-Tertiary Plate Kinematics, Continental Breakup and Sea-Floor Spreading History of the Northern North Atlantic and Arctic Ocean – Posters

Convener: Kusznir, N.
Co-Convener(s): Sibuet, J.
Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 10:30–12:00
Poster Area Hall A
Chairperson: N.N.

A0109; EGU2008-A-05772; GD18-1TH2P-0109
Grushinsky, A.; Koryakin, E.
Isostasy and tectonic evolution of Greenland

A0110; EGU2008-A-10643; GD18-1TH2P-0110
Grushinsky, A.; Koryakin, E.
Gravity model of Jan Maien fracture zone structure

GD19 Active and Passive Continental Margins: Geodynamic Models

Convener: Rodnikov, A.
Co-Convener(s): Zabarinskaya, L., Sergeyeva, N.
Lecture Room 24
Chairperson: N.N.

10:30–11:00; EGU2008-A-09081; GD19-1TH2O-001
Herman, F; Gurnis, M; Muller, D
Geodynamic modeling of the onset and demise of Cretaceous-Eocene flat subduction in North America (solicited)

11:00–11:15; EGU2008-A-00038; GD19-1TH2O-002
Rodnikov, A.G.
The Geodynamics Models of the Active Continental Margins of East Eurasia

11:15–11:30; EGU2008-A-00180; GD19-1TH2O-003
Zabarinskaya, L.P.
Break up of continental margins of the Okhotsk Sea Region

11:30–11:45; EGU2008-A-09833; GD19-1TH2O-004
De Franco, R.; Govers, R.; Wortel, R.
Nature of the plate contact and subduction zones diversity.

11:45–12:00; EGU2008-A-05939; GD19-1TH2O-005
Stegman, D.; **Capitanio, F.A.**; Sharples, W.; May, D.; Moresi, L.N.
Upper plate controls on episodic margin migration revealed by numerical modeling

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12:00 END OF SESSION

GD19 Active and Passive Continental Margins: Geodynamic Models – Posters

Convener: Rodnikov, A.
Co-Convener(s): Zabarinskaya, L., Sergeyeva, N.
Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 13:30–15:00
Poster Area Hall A
Chairperson: N.N.

A0111; EGU2008-A-03199; GD19-1TH3P-0111
van Dinther, Y.; Morra, G.; Funiciello, F.; Faccenna, C.
Dynamics of the subduction wedge system: insights from numerical modeling

A0112; EGU2008-A-08035; GD19-1TH3P-0112
Carbó-Gorosabel, A.; CARIBENORTE TEAM
Caribenorte project: future combined onshore-offshore survey in the north-eastern Caribbean plate

A0113; EGU2008-A-09784; GD19-1TH3P-0113
Bonforte, A.; Sturiale, G.
Strain on Africa-Europa boundary in the northern Hyblean plateau margin (SE-Sicily) from GPS and geological data

A0114; EGU2008-A-11662; GD19-1TH3P-0114
Sergeyeva, N.
Database for construction of geodynamic models of the active continental margins

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GD21 Long-term Rift Evolution: Topography, Tectonics and Genesis

Convener: Koehn, D.
Co-Convener(s): Glasmacher, U., Bauer, F.
Lecture Room 24
Chairperson: GLASMACHER, U.

13:30–14:00; EGU2008-A-04709; GD21-1TH3O-001
Bunge, H.-P.
Linkages between rift evolution and deep mantle flow (solicited)

14:00–14:15; EGU2008-A-02115; GD21-1TH3O-002
Simon, N.S.C
Mantle phase transitions during rifting (solicited)

14:15–14:30; EGU2008-A-12176; GD21-1TH3O-003
Foley, S.F.
Magmatic characteristics of incipient rifting

14:30–14:45; EGU2008-A-09729; GD21-1TH3O-004
van Wijk, J.; **van Hunen, J.**; Goes, S.
Small-scale convection beneath continental rifts: evidence from the Rio Grande rift

14:45–15:00; EGU2008-A-05824; GD21-1TH3O-005
Moucha, R.; Forte, A. M.; Mitrovica, J. X.; Rowley, D. B.; Simmons, N. A.; Grand, S. P.
Implications of mantle convection for eustatic and relative sea level change

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15:00 COFFEE BREAK

Chairperson: KOEHN, D.

15:30–15:45; EGU2008-A-01919; GD21-1TH4O-001
Corti, G
The relations between magmatism and deformation during continental rifting: examples from the Main Ethiopian Rift, East Africa (solicited)

15:45–16:00; EGU2008-A-01504; GD21-1TH4O-002
Cornwell, D.; England, R.; Maguire, P.; Kendall, J-M.; Stuart, G.
Two-stage magmatism during the evolution of the transitional Ethiopian rift

16:00–16:30; EGU2008-A-05704; GD21-1TH4O-003
Calais, E.; Stamps, S.; d'Oreye, N.; Wright, T.; Hamling, I.; Saria, E.; Lewi, E.; Fernandes, R.; Ebinger, C.; Buck, R.
Geodetic constraints on rifting processes in East Africa (solicited)

16:30–17:00; EGU2008-A-06566; GD21-1TH4O-004
van der Beek, P.A.; Braun, J.; Persano, C.
Long Term topographic Development, Denudation Histories, and vertical Motions of high-elevation rifted Continental Margins: a Review (solicited)

17:00 COFFEE BREAK

Chairperson: ROBIN, C.; BAUER, F.

17:30–17:45; EGU2008-A-07027; GD21-1TH5O-001
Macheyeki, A.S.; **Delvaux, D.**; De Batist, M.; Mruma, A.
Active tectonic deformation in Central Tanzania: the Manyara-Dodoma rift segment

17:45–18:00; EGU2008-A-05645; GD21-1TH5O-002
Albaric, J.; Deschamps, A.; Déverchère, J.; Wambura-Ferdinand, R.; Perrot, J.; Le Gall, B.; Sue, C.; Tiberi, C.; Petit, C.
Seismotectonic and structural study of the North Tanzanian Divergence: first results from the SEISMO-TANZ'07 experiment

18:00–18:15; EGU2008-A-04654; GD21-1TH5O-003
Babuska, V.; Plomerova, J.
Western Eger Rift (Bohemian Massif): role of mantle lithosphere in the rift origin, its tectonic development and present geodynamic activity

18:15–18:30; EGU2008-A-07813; GD21-1TH5O-004
Japsen, P; Bonow, JM; Green, PF; **Chalmers, JA**; Lidmar-Bergström, K
Elevated passive continental margins may form much later than the time of rifting

18:30–18:45; EGU2008-A-02269; GD21-1TH5O-005
Haq, B.
Magnitude of Sea Level Changes: A perspective from the Paleozoic

18:45–19:00; EGU2008-A-04721; GD21-1TH5O-006
Spasojevic, S.; Liu, L.; Gurnis, M.
Implications for regional and eustatic sea level since Late Cretaceous from North America dynamic models

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19:00 END OF SESSION

GD21 Long-term Rift Evolution: Topography, Tectonics and Genesis – Posters

Convener: Koehn, D.
Co-Convener(s): Glasmacher, U., Bauer, F.
Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 08:30–10:00
Poster Area Hall A
Chairperson: BAUER, F., GLASMACHER, U., KOEHN, D., ROBIN, C.

A0115; EGU2008-A-02781; GD21-1TH1P-0115
Bauer, F.U.; Glasmacher, U.A.; Reiners, P.; Schumann, A.; Nagudi, B.; Bechstaedt, T.
Denudation history of the Rwenzori Mountains, Albertine Rift, Uganda

A0116; EGU2008-A-02924; GD21-1TH1P-0116
Wallner, H.; Schmeling, H.
Why are the Rwenzori Mountains so high ? (solicited)

A0117; EGU2008-A-07645; GD21-1TH1P-0117
Koehn, D; Lindenfeld, M; Ruempker, G; Aanyu, K
Abnormal fault populations in rift transfer sections

A0118; EGU2008-A-12175; GD21-1TH1P-0118
Link, K.; Barifaijo, E.; Tiberindwa, J.; Foley, S.F.
Pyroxenite- xenoliths from the silica-poor alkaline volcanic rocks in the Toro-Ankole region of western Uganda

A0119; EGU2008-A-07101; GD21-1TH1P-0119
Delvaux, D.; Fontijn, K.; Kraml, M.; Temu, E.B.; Mbede, E.; Jacobs, P.; Ernst, G. GJ
Tectonic evolution, volcano-tectonic architecture, geothermal systems and geo-hazards in the Rungwe Volcanic Province (East African rift, SW Tanzania)

A0120; EGU2008-A-07191; GD21-1TH1P-0120
Cogné, J.P.; Humler, E.
Pangea breakup, seafloor area-age balance and sealevel (solicited)

A0121; EGU2008-A-05742; GD21-1TH1P-0121
Rasskazov, S.; Liu, J.; Chuvashova, I.; Fanchao, M.
Unusually long-lived Cenozoic Rifting and Magmatism in Southern Siberia: Correlations with Processes at convergent Boundaries of Asia (solicited)

A0122; EGU2008-A-08928; GD21-1TH1P-0122
Sankov, V.A.; Lukhnev, A.V.; Miroshnitchenko, A.I.; Ashurkov, S.V.; Byzov, L.M.; Dembelov, M.G.; Calais, E.; Déverchère, J.
Extension in Baikal rift basin after 13 years of GPS measurements: present-day kinematics of passive rifting (solicited)

A0123; EGU2008-A-07641; GD21-1TH1P-0123
Greenhalgh, E.E.; Kusznir, N.J.
Geodynamic modelling of continental lithosphere thinning leading to sea-floor spreading: Implications for post-breakup rifted margin hinterland uplift

A0124; EGU2008-A-03158; GD21-1TH1P-0124
Karlsson, E.; Sigmundsson, F.
How do grabens form: the influence of plate spreading on topography in a magma starved rift

A0125; EGU2008-A-01885; GD21-1TH1P-0125
Yamasaki, T.; Stephenson, R.
Change in tectonic force inferred from basin subsidence: implications for the origins of tectonic force in the Valencia Trough

A0126; EGU2008-A-05192; GD21-1TH1P-0126
Malkin, B.
Calibration of Upper Cretaceous sea level transgression peaks and unconformity level by method of vertical-motionless reference points (East European platform).

A0127; EGU2008-A-05394; GD21-1TH1P-0127
Robin, C.; Guillocheau, F.; Vrielynck, B.
Very low term (250 Myr) quanification of the eustasy during Mesozoic – Cenozoic time based on coastal onlap measurement at the tethys and world-scale (solicited)

Friday

GD22 Frontiers in Global Tectonics - Nonconventional Ideas and Interpretations

Convener: Scalera, G.
Co-Convener(s): Wezel, F., Lavecchia, G.
Lecture Room 24
Chairperson: SCALERA, G.

8:30–8:45; EGU2008-A-01068; GD22-1FR1O-001
Oganov, A.R.; Zhang, F.
New ideas on the behaviour of minerals in Earth's mantle and core (solicited)

8:45–9:00; EGU2008-A-04595; GD22-1FR1O-002
Stoppa, F.
carbonatites and degassing core (solicited)

9:00–9:15; EGU2008-A-05046; GD22-1FR1O-003
Jones, A P
Deep carbon cycle (solicited)

9:15–9:30; EGU2008-A-01859; GD22-1FR1O-004
Mancktelow, N.S.; Gerya, T.V.
Non-lithostatic pressure during deformation (solicited)

9:30–9:45; EGU2008-A-10148; GD22-1FR1O-005
Bell, K.
Geochemistry of the Mediterranean mantle - geodynamic implications (solicited)

9:45–10:00; EGU2008-A-07019; GD22-1FR1O-006
Lavecchia, G.
The Mediterranean trapped mantle plume: a lateral arm of the Atlantic plume?

10:00 COFFEE BREAK

Chairperson: LAVECCHIA, G.

10:30–10:45; EGU2008-A-05883; GD22-1FR2O-001
Pain, C F; Ollier, C D
Fold Belts and Mountains: Collision of Plates or Collision of Ideas? (solicited)

10:45–11:00; EGU2008-A-02408; GD22-1FR2O-002
Acocella, V
Defining the structure of calderas and resurgences: evidence for reverse faults under volcanoes (solicited)

11:00–11:15; EGU2008-A-12289; GD22-1FR2O-003
Cwojdzinski, S.
Supercontinents in Earth history – what story do they tell about?

11:15–11:30; EGU2008-A-09828; GD22-1FR2O-004
Scalera, G.
From Mediterranean evidence to Global tectonics and geodynamics: a new interpretation of the active margins

11:30–11:45; EGU2008-A-10837; GD22-1FR2O-005
Budanov, V.; Atakov, A.; Kalinina, A.
Geophysical paradoxes of the Mid-Atlantic Ridge structure: some issues concerning the generally accepted paradigm.

11:45–12:00; EGU2008-A-07862; GD22-1FR2O-006
Serpelloni, E.; Bonforte, A.; **Anzidei, M.**; Puglisi, G.; Baldi, P.; Mastrolembo, B.; Burgmann, R.
Kinematics of the Central Mediterranean Plate Boundary, Internal Deformation of Sicily and Interseismic Strain Accumulation Across the Messina Straits (solicited)

12:00 END OF SESSION

GD22 Frontiers in Global Tectonics - Nonconventional Ideas and Interpretations – Posters

Convener: Scalera, G.
Co-Convener(s): Wezel, F., Lavecchia, G.
Display Time: Friday, 08:00–19:30
Authors in Attendance: Friday, 13:30–15:00
Poster Area Hall A
Chairperson: SCALERA, G.

A0175; EGU2008-A-12296; GD22-1FR3P-0175
Stoppa, F.
Global meaning of carbonatite occurrences (solicited)

A0176; EGU2008-A-12281; GD22-1FR3P-0176
Scalera, G.
Wadati-Benioff zones

A0177; EGU2008-A-12295; GD22-1FR3P-0177
Cwojdzinski, S.
Convection or mantle plumes?

A0178; EGU2008-A-07247; GD22-1FR3P-0178
Denisova, Ju. V
Preservation of the U-Pb isotopic system in zircon

A0179; EGU2008-A-02105; GD22-1FR3P-0179
Iaffaldano, G.; Bunge, H.P.
Strong plate coupling along the Nazca/South America convergent margin

A0180; EGU2008-A-06855; GD22-1FR3P-0180
Asadiyan, M.H.; Zamani, A.
Earth Spreading and Plate Wondering

A0181; EGU2008-A-09338; GD22-1FR3P-0181
Asadiyan, M.H.; Zamani, A.
Are mountains meandered like rivers?

A0182; EGU2008-A-07332; GD22-1FR3P-0182
Székely, B.; Timár, G.; Frisch, W.; Kázmér, M.; Kuhlemann, J.; Meschede, M.; Dunkl, I.
Dynamical similarities between the relief evolution of the orogens and the cyclonal patterns &#65533; Weather fronts in the upper mantle?

A0183; EGU2008-A-01811; GD22-1FR3P-0183
Sitdikova, L.; Izotov, V.
Fluid regime of the crystalline basement of the Tatarstan Arch

A0184; EGU2008-A-10825; GD22-1FR3P-0184
Budanov, V.; Atakov, A.; Kalinina, A.
Geophysical paradoxes of the Mid-Atlantic Ridge structure: some troubles concerned to the generally accepted paradigm.

IS11 - GD25/NH8.6 Radon - a proxy of dynamic processes in the Earth's system (co-organized by GD & NH)

Convener: Barbosa, S.
Co-Convener(s): Steinitz, G., Martin Luis, C.
Lecture Room 24
Chairperson: STEINITZ, G.

13:30–13:45; EGU2008-A-11230; IS11 - GD25/NH8.6-1FR3O-001
Meslin, P.-Y.; Sabroux, J.-C.; Forget, F.; Chassefière, E.
Observational constraints on a global circulation model of radon in the Martian atmosphere (solicited)

13:45–14:00; EGU2008-A-07169; IS11 - GD25/NH8.6-1FR3O-002
Pulinets, S; **Ouzounov, D**; Tramutoli, V
LAIC Model – a Source for Integration between Ground and Satellite Observation of Seismo-Tectonic Activities

14:00–14:15; EGU2008-A-03852; IS11 - GD25/NH8.6-1FR3O-003
Arnold, D.; Vargas, A.; Seibert, P.
Receptor-oriented dispersion modelling of radon in Spain as a natural tracer for model validation

14:15–14:30; EGU2008-A-04633; IS11 - GD25/NH8.6-1FR3O-004
Zimnoch, M.; Poltorak, P.; Wach, P.; Rozanski, K.
Radon-222 in urban atmosphere: assessing the local fluxes of CO2 and CH4

14:30–14:45; EGU2008-A-03750; IS11 - GD25/NH8.6-1FR3O-005
Vargas, A.; Arnold, D.; Gonzalez, M.A.; Grossi, C.; Ortega, X.
Temporal variation analysis of radon progeny ratio behavior in outdoor air at two radiometeorological stations in Barcelona and Madrid

14:45–15:00; EGU2008-A-02724; IS11 - GD25/NH8.6-1FR3O-006
Schubert, M.; **Schmidt, A.**; Müller, K.; Weiß, H.
Using radon as performance indicator for air sparging of dissolved BTEX-contaminated groundwater

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15:00 COFFEE BREAK

Chairperson: MARTIN, C.

15:30–15:45; EGU2008-A-11669; IS11 - GD25/NH8.6-1FR4O-001
Voronov, A.; **Peliavina, I.**
Zones of abnormal high concentrations of radon in groundwater of Leningrad region

15:45–16:00; EGU2008-A-02498; IS11 - GD25/NH8.6-1FR4O-002
Hoehn, E.; Surbeck, H.; Kipfer, R.; Beer, J.; Kies, A.
Does thoron (Rn-220) have a potential to be used as a groundwater tracer ? (solicited)

16:00–16:15; EGU2008-A-11063; IS11 - GD25/NH8.6-1FR4O-003
Kienzler, P.; Naef, F.
Radon as natural tracer to separate event and pre-event water

16:15–16:30; EGU2008-A-08953; IS11 - GD25/NH8.6-1FR4O-004
Mullinger, N.J.; Pates, J.M.; Binley, A.M.
Radon-222 as a tracer in groundwater-surface water interactions

16:30–16:45; EGU2008-A-02718; IS11 - GD25/NH8.6-1FR4O-005
Schubert, M.; **Schmidt, A.**; Knöller, K.; Brüggemann, L.; Schirmer, M.
Estimating the groundwater flow velocity in single-well tests by using radon-222 as environmental tracer (solicited)

16:45–17:00; EGU2008-A-12023; IS11 - GD25/NH8.6-1FR4O-006
Yakovleva, V. S.; Karataev, V. D.; Firstov, P. P.
Numerical simulation of radon transport in heterogeneous media

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17:00 COFFEE BREAK

Chairperson: BARBOSA, S. M.

17:30–17:45; EGU2008-A-12025; IS11 - GD25/NH8.6-1FR5O-001
Yakovleva, V. S.; Firstov, P. P.; Karataev, V. D.; Malysheva, O. P.
Temporary dynamics of soil radon convective velocity

17:45–18:00; EGU2008-A-11992; IS11 - GD25/NH8.6-1FR5O-002
Richon, P.; Villemant, B.; Boudon, G.; Hammouya, G.; Crispi, O.
Radon-222 investigation in thermal springs near the La Soufrière volcano, Guadeloupe, a precise tool to detect a small change in springs dynamics (solicited)

18:00–18:15; EGU2008-A-00183; IS11 - GD25/NH8.6-1FR5O-003
Baubron, J.C.; Bertrand, C.; Pinault, J.L.
Permanent monitoring of velocity and flow of gases released at ground surface using 222Rn signal processing from a 3 solid-state sensor probe

18:15–18:30; EGU2008-A-01330; IS11 - GD25/NH8.6-1FR5O-004
Malczewski, D.; ¯aba, J.
222Rn concentrations in soil gas of Izera Block, (Sudetes, Poland)

18:30–18:45; EGU2008-A-10334; IS11 - GD25/NH8.6-1FR5O-005
Woith, H.; Martinelli, G.; Henicke, J.; Surbeck, H.
Radon precursors to earthquakes: a search for physical mechanisms (solicited)

18:45–19:00; EGU2008-A-03991; IS11 - GD25/NH8.6-1FR5O-006
Gillmore, G.K.; Crockett, R.G.M
Radon anomalies associated with UK earthquakes which occurred in the summer and autumn of 2002. (solicited)

19:00 END OF SESSION

IS11 - GD25/NH8.6 Radon - a proxy of dynamic processes in the Earth's system (co-organized by GD & NH) – Posters

Convener: Barbosa, S.
Co-Convener(s): Steinitz, G., Martin Luis, C.
Display Time: Friday, 08:00–19:30
Authors in Attendance: Friday, 08:30–10:00
Poster Area Hall A
Chairperson: STEINITZ, G. / MARTIN, C. / BARBOSA, S.

A0185; EGU2008-A-11062; IS11 - GD25/NH8.6-1FR1P-0185
Grigoropoulos, K.N.; Nastos, P.T.; Feredinos, G.
Radon propagation according the vehicles' mass moving due to summer vacations

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