
EGU 2008 Meeting Programme

Tectonics & Structural Geology

Monday

TS2 Are faults weak or strong? Theoretical, experimental and geological approaches (including Outstanding Young Scientist Award Lecture)

Convener: Storti, F.
Co-Convener(s): Holdsworth, R., Collettini, C.
Lecture Room 5
Chairperson: N.N.

8:30–8:45; EGU2008-A-06243; TS2-1MO1O-001
Spiers, C. J.; Niemeijer, A. R.; Van Diggelen, E.
Effects of phyllosilicates and diffusive mass transport on fault strength in the mid and upper crust (solicited)

8:45–9:00; EGU2008-A-10829; TS2-1MO1O-002
Warr, L.N.; Schleicher, A.M.; van der Pluijm, B.A.
Thin film coatings and faulting: New insights from the SAFOD drillhole, Parkfield, California

9:00–9:15; EGU2008-A-01970; TS2-1MO1O-003
Suppe, J.; Yue, L. F.
Pore-fluid pressures and crustal strength (solicited)

9:15–9:30; EGU2008-A-01501; TS2-1MO1O-004
Chiaraluce, L.
Microseismicity along a weak low-angle normal fault: the Alto Tiberina Fault case study (northern Apennines, Italy). (solicited)

9:30–9:45; EGU2008-A-09935; TS2-1MO1O-005
De Paola, N.; Collettini, C.; Faulkner, D.R.
The Nucleation of Large Earthquakes Within Overpressured Fault Zones in Evaporitic Sequences

9:45–10:00; EGU2008-A-08351; TS2-1MO1O-006
Keulen, N.; Stunitz, H.; Heilbronner, R.
Why is the oceanic crust weak? New results from medium temperature experiments on basalt rocks.

10:00–10:15; EGU2008-A-11445; TS2-1MO1O-007
Faulkner, D.; Mitchell, T.; Heap, M.; Vinciguerra, S.; Meredith, P.
On stress rotations in fault damage zones (solicited)

10:15 COFFEE BREAK

Chairperson: N.N.

10:30–10:45; EGU2008-A-09126; TS2-1MO2O-001
Kirkpatrick, J.; Shipton, Z
Spatial and temporal heterogeneity of exhumed seismogenic faults; implications for seismic slip

10:45–11:00; EGU2008-A-10991; TS2-1MO2O-002
Bistacchi, A.; Massironi, M.; Menegon, L.
The misorientation/weakness connection: 3D modelling and anisotropic slip-tendency analysis of the Sprechenstein Fault Zone (Eastern Alps)

11:00–11:15; EGU2008-A-01703; TS2-1MO2O-003
Carena, S.; Moder, C.
Fault strength in California and western Nevada

11:15–11:30; EGU2008-A-08845; TS2-1MO2O-004
Schmatz, J.; Giese, S.; Holland, M.; van der Zee, W.; Vrolijk, P.; Urai, J.
Investigations of Clay Smear in Mechanically Layered Sequences: Insights from Analogue and Numerical Particle Flow Models

11:30–11:45; EGU2008-A-09609; TS2-1MO2O-005
Sone, H.; **Shimamoto, T.**
High velocity friction experiments suggesting dynamically weak, but statically strong faults

11:45–12:15; EGU2008-A-04233; TS2-1MO2O-006
Di Toro, G.; Pennacchioni, G.
Strong faults in a strong crust (Outstanding Young Scientist Lecture) (solicited)

12:15 END OF SESSION

TS2 Are faults weak or strong? Theoretical, experimental and geological approaches (including Outstanding Young Scientist Award Lecture) – Posters

Convener: Storti, F.
Co-Convener(s): Holdsworth, R., Collettini, C.
Display Time: Monday, 08:00–19:30
Authors in Attendance: Monday, 13:30–15:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0804; EGU2008-A-10857; TS2-1MO3P-0804
Le Pourhiet, L.
Is the creeping segment of the San Andreas Fault intrinsically weaker ?

XY0805; EGU2008-A-11357; TS2-1MO3P-0805
Bistacchi, A.; Massironi, M.; Menegon, L.; Zanchetta, S.; **Zanchi, A.**
The late-Alpine fault network of the Central-Eastern Alps

XY0806; EGU2008-A-07114; TS2-1MO3P-0806
Mitterpergher, S.; Pennacchioni, G.; Di Toro, G.
Effects of fault orientation on the fault rock assemblage of exhumed seismogenic sources (Adamello, Italy)

XY0807; EGU2008-A-01824; TS2-1MO3P-0807
Collettini, C.; Trippetta, F
Mechanical and Structural Control on Aftershock Rupture Planes and Implications for Crustal Strength

XY0808; EGU2008-A-07481; TS2-1MO3P-0808
Imber, J.; **Holdsworth, R.E.;** Smith, S.A.F
Geological evidence for velocity-weakening behaviour within phyllosilicate-rich fault cores?

XY0809; EGU2008-A-02731; TS2-1MO3P-0809
Piccinini, D.; Antonioli, A.; **Cocco, M.**
Source Parameters Estimate During the 1997 Umbria Marche (Central Italy) Seismic Sequence: Fluid Diffusion or Static Stress Interaction?

XY0810; EGU2008-A-03265; TS2-1MO3P-0810
Bestmann, M.; Götze, J.; de Wall, H.; Göken, M
Microstructural characterisation of pseudotachylytes in quartzitic rocks by electron microscopy – preliminary results

XY0811; EGU2008-A-11433; TS2-1MO3P-0811

Walter, J. M.; Leiss, B.; Weber, K.

Coeval brittle and ductile deformation – A microstructural analysis of graphitic marbles of the central Damara Belt, Namibia

XY0812; EGU2008-A-06039; TS2-1MO3P-0812

Mu, C.H.; Angelier, J.; Dong, J.J.; Guglielmi, Y.; Lee, J.C.; Lin, C.P.; Lin, T.J.

Hydromechanical characterization of an active fault zone in near-surface sedimentary layers – a case study along the Chihshang Fault, eastern Taiwan

XY0813; EGU2008-A-08346; TS2-1MO3P-0813

Smith, S.A.F.; **Holdsworth, R.E.;** Collettini, C.; Imber, J.

Recognising the seismic cycle along ancient faults: CO₂-induced fluidization of brittle cataclasites in the footwall of a sealing low-angle normal fault

XY0814; EGU2008-A-09981; TS2-1MO3P-0814

De Paola, N.; Collettini, C.; Faulkner, D.R.

The Fluid Flow Evolution During the Seismic Cycle Within Overpressured Fault Zones in Evaporitic Sequences

XY0816; EGU2008-A-07842; TS2-1MO3P-0816

Abe, S.; Schmatz, J.; Urai, J.

DEM Simulation of shear induced mixing in layered sand-clay sequences

XY0817; EGU2008-A-03735; TS2-1MO3P-0817

Storti, F.; Balsamo, F.; Rossetti, F.; Salvini, F.

The Cambrian to Present long lasting memory of mechanical weakness along continentally-sized shear zones in Victoria Land, Antarctica

TS3 Fault processes in nature and lab: from mm-scale to 3-D regional models and vice-versa – Posters

Convener: Krawczyk, C.

Co-Convener(s): Shipton, Z.

Display Time: Monday, 08:00–19:30

Authors in Attendance: Monday, 13:30–15:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0818; EGU2008-A-01892; TS3-1MO3P-0818

Pretsch, H.; Exner, U.; Grasemann, B.; Haring, A.

High-resolution mapping of fault drag and displacement gradients from terrestrial laser scanner data (SE Vienna Basin, Austria)

XY0819; EGU2008-A-02178; TS3-1MO3P-0819

Candela, T.; Renard, F.; Schmittbuhl, J.; Bouchon, M.

Roughness of fault surfaces: implications of high resolution topography measurements at various scales

XY0820; EGU2008-A-04566; TS3-1MO3P-0820

Krawczyk, C.M.; Lohr, T.; Tanner, D.C.; Oncken, O.

Deformation prediction across different scales between 1D well data and 3D reflection seismics

XY0821; EGU2008-A-10735; TS3-1MO3P-0821

Bistacchi, A.; Massironi, M.; Menegon, L.

Three-dimensional characterization of a crustal-scale fault zone: the Pusteria and Sprechenstein fault system (Eastern Alps). Part 1: geomodelling as applied to fault-zone architecture studies

XY0822; EGU2008-A-10777; TS3-1MO3P-0822

Bistacchi, A.; Massironi, M.; Menegon, L.

Three-dimensional characterization of a crustal-scale fault zone: the Pusteria and Sprechenstein fault system (Eastern Alps). Part 2: implications for the mechanical evolution of crustal-scale strike-slip faults

XY0823; EGU2008-A-02746; TS3-1MO3P-0823

Spahic, S.D.; Exner, U.E.; Behm, M.B.; Grasemann, B.G.

3-D structural modelling of normal faults in unconsolidated sediments (SW Vienna Basin, Austria)

XY0824; EGU2008-A-02767; TS3-1MO3P-0824

Rath, A.; Exner, U.; Grasemann, B.; Draganits, E.

Deformation Bands in Non-Consolidated Sediments (Eisenstadt Basin, Austria)

XY0825; EGU2008-A-02770; TS3-1MO3P-0825

Laner, R.; Exner, U.; Grasemann, B.; Draganits, E.

Deformation bands in Neogene calcarenites (Leithakalk, St. Margarethen, Austria)

XY0826; EGU2008-A-07801; TS3-1MO3P-0826

Nováková, L.; Schenk, V.

Recent Tectonic Movements in the NE Part of the Bohemian Massif, Czech Republic, Indicated by the Brittle Tectonic Approach

XY0827; EGU2008-A-09896; TS3-1MO3P-0827

Place, J.; Le Garzic, E.; Géraud, Y.; Diraison, M.; Naville, C.

Field analysis of a crystalline batholith: Characterization of a deep crystalline reservoir (the Soultz-sous-Forêts EGS case study)

Display Time: Monday, 08:00–19:30

Authors in Attendance: Monday, 15:30–17:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0828; EGU2008-A-09925; TS3-1MO4P-0828

Le Garzic, E.; Place, J.; Géraud, Y.; Diraison, M.

Structural analysis of a crystalline batholith in an extensive context (Catalunya, Spain)

XY0829; EGU2008-A-09375; TS3-1MO4P-0829

Abe, S.; Holland, M.; Urai, J.

Discrete Element Simulation of the formation of open Fractures during normal faulting of cohesive Materials.

XY0830; EGU2008-A-06442; TS3-1MO4P-0830

Lawther, S.; Shipton, Z.; Dempster, T.

Fluid flow through fault zones in granite exhumed from seismogenic depths

XY0831; EGU2008-A-03008; TS3-1MO4P-0831

Kurz, W.; Hausegger, S.; Rabitsch, R.; Brosch, F.J.

Mechanisms of grain size reduction in layer-parallel brittle shear zones

XY0832; EGU2008-A-03707; TS3-1MO4P-0832

Humbert, F.; Louis, L.; Ledésert, B.; Robion, P.; David, C.; Song, S.R.

Variations of clay content and anisotropy of physical properties of fine grain material in proximity of an active fault, example of the northern part of Chelungpu fault (Taiwan).

XY0833; EGU2008-A-08334; TS3-1MO4P-0833

Sato, K

Softwares for the Hough-transform-based stress tensor inversion

XY0834; EGU2008-A-06211; TS3-1MO4P-0834

Giammanco, S.; Palano, M.; Scaltrito, A.; Scarfi, L.; Sortino, F.

Earthquake swarm generation in Mts. Peloritani region: possible role of overpressured fluids?

XY0835; EGU2008-A-06911; TS3-1MO4P-0835

Naai, N.; Nakatani, N.; Yabe, Y.; Philipp, P.

Very high frequency AE (up to 200 kHz) and micro seismicity observation in a deep South African gold mine - evaluation of the acoustic properties of the site by in-situ transmission test -

XY0836; EGU2008-A-03682; TS3-1MO4P-0836
Plenkers, K.; Kwiatek, G.; **Philipp, J.**; Stanchits, S.; JAGUARS-Group
Acoustic Emission Measurements in a deep Gold Mine in South Africa; Spectral Analysis (JAGUARS-Project)

XY0837; EGU2008-A-03019; TS3-1MO4P-0837
Kiechl, E.; Kurz, W.; Winkler, G.
Permeability evolution in brittle shear zones: an example from the Eastern Alps

XY0838; EGU2008-A-03298; TS3-1MO4P-0838
Woelfler, A.; Rabitsch, R.; Kurz, W.
Fission track dating of fault rocks: Evidence from chemical composition, track length reduction and single grain ages of apatites

TS6 Textures, Micostructures, Deformation processes & Rheology

Convener: Stunitz, H.
Co-Convener(s): Heilbronner, R., de Bresser, H.
Lecture Room 5
Chairperson: HEILBRONNER, R.

13:30–13:45; EGU2008-A-05467; TS6-1MO3O-001
Schulmann, K.; Martelat, J.E.; Ulrich, S.; Lexa, O.; Stipska, P.
Anomalous weakness of feldspar compared to quartz in deformed porphyritic granitoids: implications for rheology of felsic middle - lower crust

13:45–14:00; EGU2008-A-05532; TS6-1MO3O-002
Llana-Fúnez, S.; Rutter, E
Strain localization in direct shear experiments on Solnhofen limestone at high temperature

14:00–14:15; EGU2008-A-06026; TS6-1MO3O-003
Herwegh, M.; Brodhag, S.
Fluid-Assisted Annealing of Carbonate Mylonites: Kinetics and Geological Implications

14:15–14:30; EGU2008-A-05668; TS6-1MO3O-004
Evans, B.
Some brief remarks on interpreting microstructure and understanding the strength of rocks during orogenic processes. (solicited)

14:30–14:45; EGU2008-A-06587; TS6-1MO3O-005
Rozel, A.; Ricard, Y.
A model of grain size evolution in the mantle

14:45–15:00; EGU2008-A-08735; TS6-1MO3O-006
Raphanel, J.; Dimanov, A.; Crépin, J.; Rybacki, E.; Dresen, G.
Identification and modeling of deformation mechanisms in two phase silicate aggregates subjected to large shear

15:00 COFFEE BREAK

Chairperson: STUNITZ, H.

15:30–15:45; EGU2008-A-06920; TS6-1MO4O-001
Armstrong, M.; Burlini, L.; Kunze, K.; Burg, J.-P.
Changes in microstructure and CPO as a function of increasing shear strain – torsion experiments on synthetic rocksalt

15:45–16:00; EGU2008-A-08270; TS6-1MO4O-002
Hildyard, R.; Faulkner, D.; Prior, D.; De Paola, N.; Colletini, C
Microstructural and textural observations in anhydrite: what can be learnt about the deformation mechanisms and kinematics of the triassic evaporites.

16:00–16:15; EGU2008-A-06514; TS6-1MO4O-003
Tavani, S.; Bausa, J.; Storti, F.; Muñoz, J.A.
Spacing vs bed thickness of pressure solution cleavage in carbonate rocks: insights from the Sibillini thrust sheet (Italy).

16:15–16:30; EGU2008-A-07915; TS6-1MO4O-004
Fusseis, F.; Regenauer-Lieb, K.; Gessner, K.; Liu, J.; Hough, R.; Gaede, O
The role of intergranular creep fracturing and cavitation in viscous deformation (solicited)

16:30–16:45; EGU2008-A-09984; TS6-1MO4O-005
Wheeler, J
Diffusion creep and localisation

16:45–17:00; EGU2008-A-08616; TS6-1MO4O-006
Schmid, D.W.; Abart, R.; Podladchikov, Y.Y.; Milke, R.
Matrix rheology effects on reaction rim growth: coupled diffusion and creep model

17:00 COFFEE BREAK

Chairperson: DE BRESSER, H.

17:30–17:45; EGU2008-A-03128; TS6-1MO5O-001
Forien, M.; Arbaret, L.; Burgisser, A.; Champallier, R.
Experimental constraints on crystal fragmentation in deformed concentrated magmatic suspensions

17:45–18:00; EGU2008-A-04712; TS6-1MO5O-002
Hasalova, P.; Schulmann, K.; Lexa, O.; Stipska, P.; Janousek, V.
Reactive porous flow and formation of infiltration migmatites : microstructural and petrological approach

18:00–18:15; EGU2008-A-11550; TS6-1MO5O-003
Raimbourg, H.; Toyoshima, T.; Harima, Y.; Kimura, G.
Orthopyroxene porphyroclasts folding and disruption during mylonitization

18:15–18:30; EGU2008-A-10374; TS6-1MO5O-004
Shimamoto, T.
Halite shearing experiments revisited; implications for diverse seismic fault motion (solicited)

18:30–18:45; EGU2008-A-10479; TS6-1MO5O-005
Kennedy, L.A.; White, J.C
Extreme grain size reduction of dolomite: microstructures and mechanisms

18:45–19:00; EGU2008-A-10157; TS6-1MO5O-006
Griera, A.; Jessell, M.; Evans, L.; Lebensohn, R.
Numerical modelling of subgrain scale deformation and recrystallisation: model set-up and integration

19:00 END OF SESSION

Tuesday

TS0 Open session: Tectonics and Structural Geology (including Stephan Mueller Medal Lecture) – Posters

Convener: Ranero, C.
Co-Convener(s): Storti, F.
Display Time: Tuesday, 08:00–19:30
Authors in Attendance: Tuesday, 13:30–15:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0829; EGU2008-A-00025; TS0-1TU3P-0829
Harutyunyan, A.; Abazyan, E.; Grigoryan, S.
Seismicity and Oil Gas Bearing on the Three-Dimensional Model of Lesser Caucasus Earth Crust

- XY0830**; EGU2008-A-05682; TS0-1TU3P-0830
Pereira, A.; Venâncio, P.; Neves, L.; Godinho, M.; Ferreira, N.; Castro, P.
Remote sensing applied to geological mapping and tectonics: a study in the Viseu region (Central Portugal)
- XY0831**; EGU2008-A-05727; TS0-1TU3P-0831
Sequeira, A.; Pereira, L.; Vicente, A.; **Pereira, A.**
The tectonics and lithostratigraphy of Precambrian to Lower Cambrian metasedimentary rocks of the Douro group (Northeastern Portugal) revisited
- XY0832**; EGU2008-A-02110; TS0-1TU3P-0832
Ennis, M.; Meere, P.A.; Timmerman, M.J.; Sudo, M.
Dating of cleavage formation in the Irish Variscides: an in situ ⁴⁰Ar/³⁹Ar ULVA approach
- XY0833**; EGU2008-A-00261; TS0-1TU3P-0833
Bento dos Santos, T.; Fonseca, P.; Munhá, J.; Tassinari, C.; Dias Neto, C.
Structural and thermochronological constraints on the tectonic evolution of Ribeira Belt, SE Brazil
- XY0834**; EGU2008-A-02354; TS0-1TU3P-0834
Watanabe, K.; Sanematsu, K.; Duncan, R.
Fracture formation process by ⁴⁰Ar/³⁹Ar dating at the Hishikari epithermal gold deposit, Japan
- XY0835**; EGU2008-A-06036; TS0-1TU3P-0835
Ghorbani, M. A.; Pourkermani, M.; Mohajel, M.; Alimohammadi, M.; **Mozaffari Amiri, N.**
Structural analysis of Hired mining area and its relation with gold mineralization using aeromagnetic data, satellite images and field studies, southern Birjand, Iran
- XY0836**; EGU2008-A-04621; TS0-1TU3P-0836
Sitdikova, E.; Sitdikova, L.
The migmatite-granulite complex of the Miass Pluton (Southern Urals)
- XY0837**; EGU2008-A-07092; TS0-1TU3P-0837
Cecys, A.
Ca. 1.45 Ga Danopolonian magmatism and deformation in southwestern Fennoscandia
- XY0838**; EGU2008-A-02100; TS0-1TU3P-0838
Lerchbaumer, L.; Klötzli, U.; Pestal, G.
Schists and Amphibolites of the Ankogel-Hochalm-Gruppe/New Insights on the Variscan Basement in the eastern Tauern Window
- XY0839**; EGU2008-A-08561; TS0-1TU3P-0839
Tesón, E.; Pueyo, E.L.; Barnolas, A.; Teixell, A.; Agustí, J.; Furió, M.
Timing of mountain building and deformation rates in the High Atlas of Morocco (magnetostratigraphic, paleontological and structural data in Ouarzazate foreland basin)
- XY0840**; EGU2008-A-05898; TS0-1TU3P-0840
Süle, S.; Hajnal, Z.; Pandit, B.
Integrated Tectonic and Petrophysical Investigation of the Williston Basin Sediments in and around the Weyburn CO₂ Sequestration Reservoir, Canada (Part II: petrophysical considerations)
- XY0841**; EGU2008-A-03114; TS0-1TU3P-0841
Hsu, Y. J.; Lu, C. Y.; Chang, C. P.; Yeh, E. C.
Using pressure shadows to analyze the deformation history in the subduction-collision conjunction, Taiwan
- XY0842**; EGU2008-A-05974; TS0-1TU3P-0842
Meere, P.; Mulchrone, K.; Sears, J.; Bradway, M.
The Effect of Non-Passive Clast Behaviour in the Estimation of Finite Strain in Sedimentary Rocks
- XY0843**; EGU2008-A-06054; TS0-1TU3P-0843
Yamasaki, S.; Chigira, M.
Structures and formative processes of non-tectonic faults in pelitic schist
- XY0844**; EGU2008-A-08716; TS0-1TU3P-0844
Mozaffari Amiri, N.; Pourkermani, M.; Shahpasandzadeh, M.; Matkan, A. A.
Implication of drainage offsets to reconstruct the tectonic history of the eastern North Tehran fault, Central Alborz, Iran
- XY0845**; EGU2008-A-11467; TS0-1TU3P-0845
Saheel, A.; Salim, M.; **Hammuda, O.**
Basement Mapping and Structural Analysis Of the Jifarah Plain and Adjacent Area, NW Libya
- XY0846**; EGU2008-A-06986; TS0-1TU3P-0846
Moreno, M.; Klotz, J.; Melnick, D.; Grund, V.; Ehtler, H.; Bataille, K.
Active faulting and forearc block rotation in south-central Chile from GPS-derived deformation (36-39°S)
- XY0847**; EGU2008-A-06888; TS0-1TU3P-0847
Delescluse, M.; Chamot-Rooke, N.
Very first pulse of deformation at 9 Ma in the Central Indian Basin.
- XY0848**; EGU2008-A-07811; TS0-1TU3P-0848
Shulgin, A.; Planert, L.; Kopp, H.; Müller, C.; Lüschen, E.; Flüh, E.
Subduction along the Sunda-Banda Arc Transition: Marine Wide-Angle Seismic Modelling
- XY0849**; EGU2008-A-07968; TS0-1TU3P-0849
Mueller, C.; Kopp, H.; Djajadihardja, Y.; Engels, M.; Flueh, E.; Gaedicke, C.; Lueschen, E.; **Neben, S.**; Planert, L.; Shulgin, A.
Subduction along the Sunda-Banda Arc transition: Marine multichannel seismic profiling
- XY0850**; EGU2008-A-10914; TS0-1TU3P-0850
Broenner, M.; Olesen, O.
Inside the basement structure of northern Norway: an integrated onshore-offshore study
- XY0851**; EGU2008-A-00451; TS0-1TU3P-0851
Parsiegla, N.; Gohl, K.; Uenzelmann-Neben, G.
Structure and Formation of the Agulhas Plateau Large Igneous Province

TS3 Fault processes in nature and lab: from mm-scale to 3-D regional models and vice-versa

Convener: Krawczyk, C.
Co-Convener(s): Shipton, Z.
Lecture Room 5
Chairperson: N.N.

8:30–8:45; EGU2008-A-08757; TS3-1TU10-001
Lunn, R. J.; Shipton, Z.K.; Moir, H.; Willson, J.P.
Simulating brittle fault growth from linkage of pre-existing structures

8:45–9:00; EGU2008-A-01914; TS3-1TU10-002
Lohr, T.; Krawczyk, C.M.; Kukowski, N.; Stief, S.
Fault growth processes – insights from analogue modelling

9:00–9:15; EGU2008-A-05332; TS3-1TU10-003
Reston, T.J.
The role of detachment faulting in continental breakup and the unroofing of mantle within the continent-ocean transition.

9:15–9:30; EGU2008-A-04571; TS3-1TU10-004
Buddensiek, M.-L.; **Krawczyk, C.M.**; Oncken, O.;
Kukowski, N.
Midget seismics in sandbox models

9:30–9:45; EGU2008-A-04048; TS3-1TU10-005
Philipp, J.; Nakatani, M.; Dresen, G.; Yabe, Y.; Stan-
chits, S.; Naoi, M.; Plenkers, K.; Morena, G.
Acoustic Emission Measurements in a deep Gold Mine
in South Africa; Instrumental Setup and First Results
(JAGUARS Project)

9:45–10:00; EGU2008-A-01748; TS3-1TU10-006
Haimson, B.; Oku, H.; Song, S.
Chelungpu Fault, Taiwan, footwall heterogeneity as ex-
pressed in true triaxial strength, deformability, and failure
micromechanics of core retrieved from two boreholes 40 m
apart

10:00 COFFEE BREAK

Chairperson: N.N.

10:30–10:45; EGU2008-A-11408; TS3-1TU20-001
Shimamoto, T.
Recent development of high-velocity gouge experiments
and a renewed view on geological evidences of seismic fault
motion

10:45–11:00; EGU2008-A-04914; TS3-1TU20-002
Sarkarinejad, K.
Distinguishing slow aseismic creep from rapid strike-slip
fault movement and palaeostress orientations using the
e-twinning calcite crystal fibre lineation

11:00–11:15; EGU2008-A-05441; TS3-1TU20-003
Mitchell, T.; Faulkner, D
Experimental Measurements of Permeability Evolution
during Triaxial Compression of Initially Intact Crystalline
Rocks and Implications for Fluid Flow in Fault Zones

11:15–11:30; EGU2008-A-10356; TS3-1TU20-004
Burnside, N M; Shipton, Z K; Dockrill, B; Ellam, R M
Dating long-term leakage of CO₂ from fault damage zones

11:30 END OF SESSION

TS4 Quantitative analysis of faults and folds

Convener: Schmid, D.
Co-Convener(s): Grasemann, B., Mancktelow, N., Jolivet,
L.
Lecture Room 1
Chairperson: N.N.

17:30–17:45; EGU2008-A-01520; TS4-1TU50-001
Lisle, R.
A 3D view of fold geometry (solicited)

17:45–18:00; EGU2008-A-01729; TS4-1TU50-002
Burg, J.-P.; Schmalholz, S.M.
Viscous Heating Allows Thrusting to Overcome Crustal-
Scale Buckling: Numerical Investigation with Application
to the Himalayan Syntaxes

18:00–18:15; EGU2008-A-10186; TS4-1TU50-003
Exner, U.; Dabrowski, M.
Fault drag around ideal elliptical faults in 3D

18:15–18:30; EGU2008-A-05848; TS4-1TU50-004
Manatschal, G.; Lavier, L.
The low-angle detachment paradigm: A successful concept
to explain mantle exhumation and continental break-up at
rifted margins? (solicited)

18:30–18:45; EGU2008-A-08685; TS4-1TU50-005
Smith, S.A.F; **Holdsworth, R.E.**; Collettini, C.
Fluid- and thermally-enhanced weakening mechanisms
associated with the development of low angle normal faults

18:45–19:00; EGU2008-A-11044; TS4-1TU50-006
Le Pourhiet, L.; **Lecomte, E.**; Lacombe, O.
Mechanical constraints on LANF using visco-elasto-plastic
rheology- Insights from the Gulf of Corinth and Tinos Island

19:00 END OF SESSION

TS4 Quantitative analysis of faults and folds – Posters

Convener: Schmid, D.
Co-Convener(s): Grasemann, B., Mancktelow, N., Jolivet,
L.
Display Time: Tuesday, 08:00–19:30
Authors in Attendance: Tuesday, 13:30–15:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0852; EGU2008-A-01426; TS4-1TU3P-0852
Tuitz, C.; Exner, U.; Grasemann, B.
Stress heterogeneities induced by fault slip in unconsolidated
gravel layers (SE Vienna Basin, Austria)

XY0853; EGU2008-A-03182; TS4-1TU3P-0853
Rice, A. H.; Team ACCEL* & IGME**
Low-angled detachment geometry and evolution based on a
new geological map of Kea, W. Cyclades, Greece

XY0854; EGU2008-A-02700; TS4-1TU3P-0854
Maniatis, G.; Hampel, A.
Insights to the distribution of slip directions along normal
faults from three-dimensional finite-element models

XY0855; EGU2008-A-03218; TS4-1TU3P-0855
Lenauer, I.; Mörtl, G.; Iglseder, C.; Grasemann, B.; Ed-
wards, M.
Field evidence for a major normal fault on Kythnos Island
(Western Cyclades, Greece)

XY0856; EGU2008-A-03468; TS4-1TU3P-0856
Mueller, M.; Grasemann, B.; Iglseder, C.; ACCEL
Frictional-viscous, low-angle normal faulting: a new
tectono-stratigraphic map of NW Kea, W. Cyclades, Greece

XY0857; EGU2008-A-05070; TS4-1TU3P-0857
Yamato, P.; Mouthereau, F.; Burov, E.
Exhumation and Shortening during the Taiwan mountain
building: insight from 2D thermomechanical modeling

XY0858; EGU2008-A-04585; TS4-1TU3P-0858
Mörtl, G.; Grasemann, B.; Lenauer, I.; Iglseder, C.; Ed-
wards, M.; Thöni, M.; Mader, D.
Fluid-rock interaction in a low-angle-normal fault (Kythnos,
Western Cyclades, Greece)

XY0859; EGU2008-A-05706; TS4-1TU3P-0859
Kusumoto, S.; Gudmundsson, A.
Extension-fracture displacement and stress fields generated
by fluid overpressure variations given by Fourier cosine
series

XY0860; EGU2008-A-06484; TS4-1TU3P-0860
Ebner, M.; Koehn, D.; Toussaint, R.; Renard, F.; Schmit-
tbuhl, J.
Scaling behavior of natural and simulated stylolites

XY0861; EGU2008-A-08744; TS4-1TU3P-0861
Roffeis, C.; Stüwe, K.; Powell, R.
Pressure gradients across the Plattengneiss Shear Zone

XY0862; EGU2008-A-02401; TS4-1TU3P-0862

Ornelas Marques, F.

Very low angle thrusts: Problems and possible solutions

XY0863; EGU2008-A-08688; TS4-1TU3P-0863

Dabrowski, M.P.; Schmid, D.W.; Krotkiewski, M.M.

Evolution of large amplitude 3D fold patterns: a FEM study

XY0864; EGU2008-A-01717; TS4-1TU3P-0864

Schmalholz, S.M.; Schmid, D.W.; Jäger, P.; Kuhl, E.

Brittle fracturing during folding of rocks: a finite element study

XY0865; EGU2008-A-01184; TS4-1TU3P-0865

Tschegg, C.; Grasemann, B.

Quantitatively estimated mass transfer, volume change and quantitative kinematics investigations in ductile low-angle shear zones (Serifos, Greece)

XY0866; EGU2008-A-01035; TS4-1TU3P-0866

Lechmann, S. M.; Schmalholz, S. M.; Marques, F. O.; Burg, J.-P.

Dynamic retro-deformation of folded multilayers: Application to turbidites in South-West Portugal

XY0867; EGU2008-A-07497; TS4-1TU3P-0867

Cubas, N.; Maillot, B.; Barnes, C.

Growth of a sand wedge : experimental uncertainties, and inversion to deduce fault strength

XY0868; EGU2008-A-07793; TS4-1TU3P-0868

Iglseder, C.; Grasemann, B.; Schneider, D.; Rice, AHN.; Lenauer, I.; Müller, M.; Mörtl, G.; Voit, K.; Petrakakis, K.; Draganits, E.

Low-angle normal fault mechanics and architecture in the Western Cyclades (Greece)

XY0869; EGU2008-A-02179; TS4-1TU3P-0869

Campani, M.; Mancktelow, N.S.; Seward, D.; Rolland, Y.

Thermochronological evidence for a continuous transition from ductile to brittle deformation in the Simplon low-angle normal fault, Central Alps

XY0870; EGU2008-A-03700; TS4-1TU3P-0870

Storti, F.; Rossetti, F.; Tecce, F.; Testi, D.

The interplay between deformation, fluid flow and dolomitization on the evolution of the Tellaro detachment fault, Northern Apennines, Italy

XY0871; EGU2008-A-08788; TS4-1TU3P-0871

Dabrowski, M.; Schmid, D.W.

Numerical study of a rigid circular inclusion in an anisotropic matrix

XY0872; EGU2008-A-06173; TS4-1TU3P-0872

Heymes, T.; Monié, P.; Arnaud, N.; Bouillin, J.-P.; Pêcher, A.; Compagnoni, R.

Shortening vs extension in the Aspromonte nappes-pile (Calabria, Italy). New insights from structural and geochronological data.

XY0873; EGU2008-A-05125; TS4-1TU3P-0873

Debacker, T.N.; Piessens, K.; Sintubin, M.; De Vos, W.

The Asquepont Detachment System: a large-scale, Early Palaeozoic extensional detachment within the Brabant Massif, Belgium

TS6 Textures, Microstructures, Deformation processes & Rheology – Posters

Convener: Stunitz, H.

Co-Convener(s): Heilbronner, R., de Bresser, H.

Display Time: Tuesday, 08:00–19:30

Authors in Attendance: Tuesday, 08:30–10:00

Poster Area Halls X/Y

Chairperson: HEILBRONNER, RENEE

XY0874; EGU2008-A-02163; TS6-1TU1P-0874

Gratier, J.-P.; Renard, F.; Boullier, A.-M.

Evidence of pressure solution processes in the SAFOD 2 samples

XY0875; EGU2008-A-03025; TS6-1TU1P-0875

Croizé, D.; Bjørlykke, K.; Dysthe, D.K.; Renard, F.; Jahren, J.

Deformation of carbonates, experimental mechanical and chemical compaction

XY0876; EGU2008-A-04694; TS6-1TU1P-0876

Boutareaud, S. ; Boullier, A.M.; Beck, P.; Calugaru, D.G.; Han, R.; Tsutsumi, A.

Clast-clay aggregates as new indicator of shallow crustal seismic slips

XY0877; EGU2008-A-03966; TS6-1TU1P-0877

Björk, T.E.; Mair, K.; Austrheim, H.

Quantifying fault rocks and deformation: Advantages of combining grain size, shape, and mineral phase recognition analyses

XY0878; EGU2008-A-09470; TS6-1TU1P-0878

Balsamo, F.; Storti, F.; Nestola, Y.

Particle size distribution of fault core rocks: the role of pre-existing flaws and cleavage during ultrasonic treatment in laser-aided analytical procedures

XY0879; EGU2008-A-10677; TS6-1TU1P-0879

Agnolin, I.; Dresen, G.; Roux, J.N.; Zang, A.

Triaxial compression of granular aggregates: the role of contact forces

XY0880; EGU2008-A-04511; TS6-1TU1P-0880

Sarkarinejad, K.; Samani, B.; Faghih, A.

Fabric analysis and geometry of Dehvazir shear zone, Sanandaj-Sirjan metamorphic belt, Iran

XY0881; EGU2008-A-11890; TS6-1TU1P-0881

Lukienko, A.; Kravchenko, D

Features of structure of Hayvoron fault zone

XY0882; EGU2008-A-06528; TS6-1TU1P-0882

Jesábek, P.; Schulmann, K.; Heilbronner, R.; Stunitz, H.; Lexa, O.

Strain rate gradient and stress field variations recorded by deformation microstructures in the quartzo-feldspathic basement of the Vepor Unit, West Carpathians

XY0883; EGU2008-A-04727; TS6-1TU1P-0883

McNamara, D.; Wheeler, J.; Prior, D.

Microstructure in Eclogite; Omphacite Deformation and Mimetic Lattice Preferred Orientation in Retrograde Phases

XY0884; EGU2008-A-07100; TS6-1TU1P-0884

Stunitz, H.; McKenzie, J.; Heilbronner, R.; Kullerud, K.; Ravn, E.; Bergh, S.

Exhumation of UHP-rocks by dominant diffusion creep in eclogites and amphibolites of the Tromsø nappe, Northern Norway

XY0885; EGU2008-A-09129; TS6-1TU1P-0885

Linckens, J; Herwegh, M; Mercolli, I; MÄ¹/₄ntener, O
Evolution of a Mantle Shear Zone and the influence of Second Phases, Hilti massif, Oman

XY0886; EGU2008-A-04704; TS6-1TU1P-0886

Schulmann, K.; Hasalova, P.; Edel, J.B.; Jezek, J.; Cosgrove, J.W.; Lexa, O.

Influence of melt induced mechanical anisotropy on AMS fabrics and rheology of deforming migmatites, Central Vosges, France

XY0887; EGU2008-A-02828; TS6-1TU1P-0887

Leitner, Ch.; Neubauer, F.; Genser, J.; Rantitsch, G.
Ductile deformation and 40Ar/39Ar age of fabrics of Permian polyhalite/anhydrite rocks of Eastern Alps

Display Time: Tuesday, 08:00–19:30

Authors in Attendance: Tuesday, 10:30–12:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0888; EGU2008-A-11393; TS6-1TU2P-0888

Hulscher, B; Schreurs, G.

Quantifying complex deformation paths in natural shear zones deformed by general shear using EBSD

XY0889; EGU2008-A-10085; TS6-1TU2P-0889

Gomez-Rivas, E.; **Griera, A.**

Localisation of deformation in viscous multilayers: a new numerical approach

XY0890; EGU2008-A-10026; TS6-1TU2P-0890

De Paola, N.; Faulkner, D.R.; Colletini, C.

Localized vs Distributed Deformation as a Rheological Control on the Evolution of Permeability in Anhydrite Rocks

XY0891; EGU2008-A-04249; TS6-1TU2P-0891

Tatham, D J; Prior, D J

In situ heating and deformation experiments in the SEM

XY0892; EGU2008-A-03933; TS6-1TU2P-0892

Ornelas Marques, F.; Burlini, L.

High-strain torsion experiments on halite-muscovite synthetic aggregates

XY0893; EGU2008-A-08831; TS6-1TU2P-0893

Armman, M.; Burlini, L.; Kunze, K.

A detailed investigation of the microstructure formed during torsion experiments on synthetic rocksalt at 100-300°C

XY0894; EGU2008-A-07342; TS6-1TU2P-0894

Maeder, X.; Trullenque, G.; Drury, M.R.; **De Bresser, J.H.P**
Microstructural evolution of fine grained calcite aggregates deformed in direct shear: constraints from Electron Backscatter Diffraction analysis

XY0895; EGU2008-A-07521; TS6-1TU2P-0895

De Bresser, J.H.P; Trullenque, G.; Drury, M.R.

Evidence for r(a) slip in calcite

XY0896; EGU2008-A-07796; TS6-1TU2P-0896

Tarantola, A.; Diamond, L.W.; Stünitz, H.

Plastic deformation of quartz and fluid inclusions: An experimental study

XY0897; EGU2008-A-07710; TS6-1TU2P-0897

Schmatz, J.; Urai, J. L.

The Role of Fluid-filled Grain Boundaries in Substructure Development: New Insights from See-through Deformation Experiments.

XY0898; EGU2008-A-10533; TS6-1TU2P-0898

Heilbronner, R.; Stunitz, H.; Schaeben, H.

Diffusion creep microstructures: analysing spatial distributions

XY0899; EGU2008-A-07441; TS6-1TU2P-0899

Picard, D.; Arbaret, L.; Pichavant, M.; Champallier, R.; Launeau, P.

Experimental investigation at high pressure – high temperature of structures and rheology of crystal-bearing magmas deformed in simple shear

XY0900; EGU2008-A-10324; TS6-1TU2P-0900

Gerik, A.; Kruhl, J.H.

Automated anisotropy quantification for grain and phase boundary patterns

XY0901; EGU2008-A-11456; TS6-1TU2P-0901

Walter, J. M.; Hansen, B. T.; Klein, H.; Kuhs, W. F.; Leiss, B.; Vollbrecht, A.; Sowa, H.

New perspectives for Neutron Diffraction in Geoscience - A new High-Intensity Texture and Powder Diffractometer at FRM-II, Garching Germany

TS8 Continental Strike-Slip Fault Systems: Developmental Processes, Geometrical Complexities and Associated Economic Resources – Posters

Convener: Cunningham, D.

Co-Convener(s): Menichetti, M.

Display Time: Tuesday, 08:00–19:30

Authors in Attendance: Tuesday, 13:30–15:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0902; EGU2008-A-04135; TS8-1TU3P-0902

Beidinger, A.; Decker, K.

Fault patterns and fault-controlled topography at a releasing bend of the Vienna Basin Fault System

XY0903; EGU2008-A-10899; TS8-1TU3P-0903

Székely, B.; Zámolyi, A.; Draganits, E.; Briesse, Ch.

Geomorphic expression of neotectonic activity in a low relief area in Airborne Laser Scanning DTM – a case study of the Little Hungarian Plain

XY0904; EGU2008-A-09507; TS8-1TU3P-0904

Expósito, I.; Díaz-Azpiroz, M.; Balanyá, J.C.; Simancas, J.F.; González-Lodeiro, F.

Transpression related to irregular borders of the collisional continents: the Variscan evolution of SW Iberia

XY0905; EGU2008-A-09606; TS8-1TU3P-0905

Balanyá, J.C.; **Expósito, I.;** Díaz-Azpiroz, M.; Crespo-Blanc, A.; Torcal, F.

Wrench tectonics at the eastern end of the Western Gibraltar Arc: en echelon pressure ridge uplifts in a highly partitioned brittle-ductile shear zone.

XY0906; EGU2008-A-04931; TS8-1TU3P-0906

Sarkarinejad, K.; Faghih, A.

Geometry and deformation path partitioning along the Zagros Thrust System, Iran

XY0907; EGU2008-A-00715; TS8-1TU3P-0907

Kanjanapayont, P.; Edwards, M.A.; Grasemann, B.

Lineament interpretation and deformation styles within the Klong Marui continental wrench fault, southern Thailand

XY0908; EGU2008-A-07752; TS8-1TU3P-0908

Watkinson, I.; Elders, C.; Hall, R.

The Ranong and Khlong Marui Faults, Peninsular Thailand: polyphase deformation along two intra-plate strike-slip shear zones

XY0909; EGU2008-A-08454; TS8-1TU3P-0909

Sankov, V.A.; Parfeevets, A.V.; Byzov, L.M.; Miroshnichenko, A.I.

Late Cenozoic faulting in the transition zone between Hangay and Goby Altay (Mongolia)

Display Time: Tuesday, 08:00–19:30

Authors in Attendance: Tuesday, 15:30–17:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0910; EGU2008-A-04523; TS8-1TU4P-0910

Storti, F.; Balsamo, F.; Rossetti, F.; Salvini, F.
Horsetail fault arrays at strike-slip fault tips in Victoria Land (Antarctica) from the outcrop to the plate scale: fault hierarchy evolution and implications for petroleum exploration

XY0911; EGU2008-A-04521; TS8-1TU4P-0911

Balsamo, F.; Läufer, A. L.; Lisker, F.; Rossetti, F.; Storti, F.
Structural and tectonothermal architecture at the continental impingement zone of the Tasman intraplate strike-slip deformation belt, north Victoria Land, Antarctica

XY0912; EGU2008-A-10121; TS8-1TU4P-0912

Menichetti, M.; Lodolo, E.; Tassone, A.
Geometries and kinematics of the Magallanes–Fagnano transform system, a major segment of the South America–Scotia plate boundary

XY0913; EGU2008-A-04337; TS8-1TU4P-0913

Zaffarana, C.Z.
Is the Gastre Fault System (Central Patagonia) a transcontinental strike-slip fault?

XY0914; EGU2008-A-11570; TS8-1TU4P-0914

Suarez, G.; **Malave, G.**
Deformation in Western Venezuela: An example of book-shelf tectonics on a plate boundary

XY0915; EGU2008-A-10464; TS8-1TU4P-0915

Menichetti, M.; Lodolo, E.; Bartole, R.; Giunta, G.
Structures and tectonic setting of a strike-slip plate boundary: the left-lateral Polochic-Motagua transform system in Eastern Guatemala

XY0916; EGU2008-A-09960; TS8-1TU4P-0916

Authemayou, C.; Teyssier, C.; Brocard, G.; Simon-Labric, T.; Lavier, L.; Moran, S.
Neotectonics and river capture effects along the Polochic Fault, Guatemala

XY0917; EGU2008-A-10414; TS8-1TU4P-0917

Mattioli, M.; **Menichetti, M.**; Renzulli, A.; Salvioli Mariani, E.
Structural setting, mineralogy and geochemistry of ore deposits along a strike-slip fault in the Central Honduras

TS12 Structure, deformation, and flow of hot orogens

Convener: Chardon, D.

Co-Convener(s): Rey, P., Teyssier, C., Whitney, D.

Lecture Room 5

Chairperson: WHITNEY, D.

13:30–13:45; EGU2008-A-01148; TS12-1TU3O-001

Thompson, A.B.; Schulmann, K.
Hot orogenies in various tectonic settings (solicited)

13:45–14:00; EGU2008-A-06142; TS12-1TU3O-002

Gapais, D.; Cagnard, F.; Gueydan, F.; Barbey, P.; Ballevre, M.
Exhumation processes and orogenesis through time: insights from PT paths (solicited)

14:00–14:15; EGU2008-A-07625; TS12-1TU3O-003

Tirel, C.; Brun, J.-P.; Burov, E.
Dynamics of metamorphic core complex development (solicited)

14:15–14:30; EGU2008-A-02965; TS12-1TU3O-004

Rey, P.; Teyssier, C.; Whitney, D.
The Role of Partial Melting and Extensional Strain Rates in the Development of Migmatite-cored Metamorphic Core Complexes (McMCC) (solicited)

14:30–14:45; EGU2008-A-02855; TS12-1TU3O-005

Chardon, D.; Gapais, D.
Wide hot orogens and flow regimes of weak lithospheres: a Precambrian perspective (solicited)

14:45–15:00; EGU2008-A-11069; TS12-1TU3O-006

Martignole, J
Melt-present and melt-depleted stages in Grenvillian-age UHT migmatites: implications for the rheology of the lower crust (solicited)

15:00 COFFEE BREAK

Chairperson: CHARDON, D.

15:30–15:45; EGU2008-A-10335; TS12-1TU4O-001

Korja, A.; Heikkinen, P.; Kosunen, P.
Crustal structure of the collapsed Palaeoproterozoic Svecofennian Orogen (solicited)

15:45–16:00; EGU2008-A-03516; TS12-1TU4O-002

Fritz, H.; Hauzenberger, Ch.; Tenczer, V.; Wallbrecher, E.; Muhongo, S.
Hot granulite nappes - tectonic styles and thermal evolution of the Proterozoic Granulite Belt in East Africa (solicited)

16:00–16:15; EGU2008-A-00988; TS12-1TU4O-003

Mondou, M.; Vauchez, A.; Egydio-Silva, M.; Monié, P.; Bruguier, O.; Babinsky, M.
Strain distribution during slow cooling of a partially molten middle crust. Insights from the neoproterozoic Ribeira-Araçuaí collisional belt (solicited)

16:15–16:30; EGU2008-A-11374; TS12-1TU4O-004

Hulscher, B.; Fitzsimons, ICW
Ductile extrusion of the weak mid-crust during transpression in the Neoproterozoic East African Orogen (solicited)

16:30–16:45; EGU2008-A-04794; TS12-1TU4O-005

Martelat, J. E.; Cardon, H.; Lardeaux, J. M.; Pili, E.; Schulmann, K.; Randrianasolo, B.; Nicollet, C.; Vidal, G.
Lower crust to upper mantle coupling in hot orogens: the case of East African transpressional vertical shear zones (solicited)

16:45–17:00; EGU2008-A-02817; TS12-1TU4O-006

Schulmann, K.; Lardeaux, J.M.; Thompson, A.B.; Stipska, P.; Lexa, O.; Edel, J.B.
Mechanisms of pre-shortening thinning, burial and exhumation of hot Andean Type orogens exemplified by European Variscan belt (solicited)

17:00 COFFEE BREAK

Chairperson: REY, P.

17:30–17:45; EGU2008-A-09741; TS12-1TU5O-001

Denèle, Y.; Olivier, Ph.; Gleizes, G.; Barbey, P.
Late Variscan evolution of the hot middle crust of the Pyrenees: the Aston and Hospitalet gneiss domes (France) (solicited)

17:45–18:00; EGU2008-A-10807; TS12-1TU5O-002

GEBELIN, A.; ROGER, F.; BRUNEL, M.
Variscan thermal anomaly highlighted by coeval Limousin magmatism and metamorphism (solicited)

18:00–18:15; EGU2008-A-08573; TS12-1TU5O-003
Siddoway, C.; McFadden, R.; Saito, S.; Fanning, C. M.; Korhonen, F.; Teyssier, C.; Brown, M.
Consequences of 'hot orogenesis' for Cretaceous breakup of East Gondwana's active margin: Perspectives from West Antarctica (solicited)

18:15–18:30; EGU2008-A-04708; TS12-1TU5O-004
Daoudene, Y.; Gapais, D.; Ledru, P.; Cocherie, A.; Hocquet, S.; Donskaya, TV
Mesozoic crustal thinning throughout eastern Asia: new insights from Mongolia (solicited)

18:30–18:45; EGU2008-A-10039; TS12-1TU5O-005
Law, R.; Jessup, M.; Searle, M.; Cottle, J.; Waters, D.
Telescoping of isotherms beneath the South Tibetan Detachment, Mount Everest Massif: implications for magnitude of internal flow during extrusion of the Greater Himalayan Slab (solicited)

18:45–19:00; EGU2008-A-09117; TS12-1TU5O-006
Leloup, P.H.; Kali, E.; Arnaud, N.; Mahéo, G.; Boutonnet, E.
Miocene metamorphism and exhumation of the granulite-eclogite horst/anticlinorium of the Ama Drime (South Tibet). (solicited)

19:00 END OF SESSION

Wednesday

TS0 Open session: Tectonics and Structural Geology (including Stephan Mueller Medal Lecture)

Convener: Ranero, C.
Co-Convener(s): Storti, F.
Lecture Room 5
Chairperson: N.N.

8:30–8:45; EGU2008-A-05895; TS0-1WE1O-001
Süle, S.; Hajnal, Z.; Pandit, B.
Integrated Tectonic and Petrophysical Investigation of the Williston Basin Sediments in and around the Weyburn CO₂ Sequestration Reservoir, Canada (Part I: tectonic considerations)

8:45–9:00; EGU2008-A-02936; TS0-1WE1O-002
Abushaala, Y.; Ben Suleman, A.
Integrated Geophysical Studies of Eastern Sirt Basin and Southwestern Cyrenaica Platform, Libya

9:00–9:15; EGU2008-A-01708; TS0-1WE1O-003
Gee, D. G.; Andreasson, P-G.
The "unknown" hinterland of the North Atlantic Caledonides - a key for understanding the orogen

9:15–9:30; EGU2008-A-07853; TS0-1WE1O-004
Pueyo Anchuela, Ó.; Gil Imaz, A.; Pocoví Juan, A.; Pueyo Morer, E.L.
AMS as a fast and sensitive method to test and detect vertical axis rotation in fold and thrust systems. Southern Pyrenees, Aragón, Spain

9:30–9:45; EGU2008-A-05008; TS0-1WE1O-005
Najafi, M.; Yassaghi, A.; Bahrudi, A.
The Significance of basement faulting on fold style of cover sequence with median detachment in Zagros foreland fold-thrust belt: Analogue modeling and natural examples.

9:45–10:00; EGU2008-A-03231; TS0-1WE1O-006
Hastie, W. W.; Aubourg, C.; Watkeys, M. K.
The Rooi-Rand and Lebombo dyke swarms: implications for the Karoo mantle plume

10:00 COFFEE BREAK

Chairperson: N.N.

10:30–10:45; EGU2008-A-05218; TS0-1WE2O-001
Abueladas, A.; Alzoubi, A.; Akawi, E.; Niemi, T.; AlRuzouq, R.; Ben-Avraham, Z
Ground penetrating radar for investigations shallow active faults in Aqaba area, Jordan

10:45–11:00; EGU2008-A-07156; TS0-1WE2O-002
Neben, S.; Block, M.; Reichert, C.; Schreckenberger, B.; Heyde, I.; Jokat, W.; Klingelhöfer, F.; Aslanian, D.; Moulin, M.; Ehrhardt, A.
Cruise BGR07 MOBAMASIS - Marine Geophysical Investigations offshore Central Mozambique

11:00–11:15; EGU2008-A-06485; TS0-1WE2O-003
Monié, P.; **Agard, P.**
Modification of plate-slab coupling in subduction zones : the large-scale (>3000km) Neotethyan example

11:15–12:00; EGU2008-A-12172; TS0-1WE2O-004
Brun, J.-P.
Deformation of a brittle-ductile continental lithosphere: Observations vs models (Stephan Mueller Medal Lecture) (solicited)

12:00 END OF SESSION

IS63 - TS5/SM26 Earthquake geology (co-organized by TS & SM) – Posters

Convener: Caputo, R.
Co-Convener(s): Pavlides, S.
Display Time: Wednesday, 08:00–19:30
Authors in Attendance: Wednesday, 13:30–15:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0879; EGU2008-A-00449; IS63 - TS5/SM26-1WE3P-0879
Akyüz, H. S.; **Sançar, T.;** Zabcı, C.; Karabacak, V.; Gutsuz, P.; Altunel, E.; Yalçiner, Ç.
Geometry and Paleoseismology of Yedisu Seismic Gap, North Anatolian Fault Zone, Eastern Turkey

XY0880; EGU2008-A-03129; IS63 - TS5/SM26-1WE3P-0880
Chen, C.-T.; Lee, J.-C.; Chan, Y.-C.; Lu, C.-Y.; Hu, J.-C.
Active half graben at the northern tip of Taiwan mountain belt: constraints from decadal ground elevation change in the Taipei Basin and geomorphic characteristics of the Shanchiao Fault

XY0881; EGU2008-A-03033; IS63 - TS5/SM26-1WE3P-0881
Chuang, RY.; Miller, M; Shyu, JBH; Chen, YG
Interseismic crustal deformation of Taiwan: an aspect of block tectonics

XY0882; EGU2008-A-09190; IS63 - TS5/SM26-1WE3P-0882
Comerci, V.; Blumetti, A.M.; Brustia, E.; Di Manna, P.; Esposito, E.; Fiorenza, D.; Guerrieri, L.; Porfido, S.; Serva, L.; Vittori, E.
One century after the 1908 Southern Calabria - Messina earthquake (southern Italy): a review of the geological effects

XY0883; EGU2008-A-05060; IS63 - TS5/SM26-1WE3P-0883
Crider, J.G.
Simulating fault scarp degradation in jointed bedrock

XY0884; EGU2008-A-01027; IS63 - TS5/SM26-1WE3P-0884
Deichmann, N.; Wöhlbier, S.; Giardini, D.; **Ustaszewski, M.**; Pfiffner, O.A.
A new seismotectonic atlas of Switzerland: earthquake data

XY0885; EGU2008-A-01026; IS63 - TS5/SM26-1WE3P-0885
Ustaszewski, M.; Pfiffner, O.A.
A new Seismotectonic Atlas of Switzerland: fault data

XY0886; EGU2008-A-10168; IS63 - TS5/SM26-1WE3P-0886
Fracassi, U.; Di Bucci, D.; Ridente, D.; Trincardi, F.; Valensise, G.
Activity of the Gondola Fault Zone and potential earthquake sources offshore the Gargano Promontory (Adriatic Sea)

XY0887; EGU2008-A-10907; IS63 - TS5/SM26-1WE3P-0887
Jané, G.; Maestro, A.; Martínez Díaz, J.J.; Rodríguez Pascua, M.A.; García Mayordomo, J.; Fernández Revuelta, B.; Somoza, L.; Díaz del Río, V.
Cause of the rupture and distribution of carbonate chimneys in the Contourite Cadiz Channel (Gulf of Cadiz, southwestern of Peninsula Iberica)

Display Time: Wednesday, 08:00–19:30

Authors in Attendance: Wednesday, 15:30–17:00

Poster Area Halls X/Y
Chairperson: N.N.

XY0888; EGU2008-A-07270; IS63 - TS5/SM26-1WE4P-0888
Matsuta, N.; Chen, W.; Yu, N.; Shih, R.; Chu, Y.; Yang, C.; Yen, I.; Huang, N.; Yu, Y.; Su, C.
The deformation rate of a frontal thrust (the Changhua fault), the middle western Taiwan

XY0889; EGU2008-A-06510; IS63 - TS5/SM26-1WE4P-0889
Mitchell, T.; Shimamoto, T.; Ando, J.; Ben-Zion, Y.
The Seismic Velocity and Permeability Properties of Pulverized Rocks

XY0890; EGU2008-A-03501; IS63 - TS5/SM26-1WE4P-0890
Raileanu, V.; Ardeleanu, L.; Bala, A.; Popescu, E.
Deep structure and seismicity in the SE Carpathians and Focsani depression

XY0891; EGU2008-A-07065; IS63 - TS5/SM26-1WE4P-0891
Reicherter, K.R.; Silva Barroso, P.G.; Gruetzner, C.; Bardaji, T.; Lario, J.; Goy, J.L.; Zazo, C.
Archeoseismological, paleoseismological and GPR investigations in the Roman Ruins of Baelo Claudia (southern Spain)

XY0892; EGU2008-A-00445; IS63 - TS5/SM26-1WE4P-0892
Sançar, T.; Zabci, C.; Akyüz, H. S.; Karabacak, V.; Altunel, E.
Geometry and Segmentation of the North Anatolian Fault Zone between Yedisu and Karliova Triple Junction; A New Seismic Gap in Eastern Turkey ?

XY0893; EGU2008-A-09004; IS63 - TS5/SM26-1WE4P-0893
Scotti, O.; Larroque, C.; Courboux, F.; Delouis, B.; Baumont, D.
On the Definition of realistic Earthquake Parameters along potential active Faults in the French-Italian Riviera: a key step in Quantitative Seismic Hazard Assessment (QSHA) - a Platform for strong Ground Motion Modeling

XY0894; EGU2008-A-00603; IS63 - TS5/SM26-1WE4P-0894
Diaconescu, M.; **Placinta, A.O.**; Moldovan, I.A.; Constantin, P.A.; Craiu, M.
Sesimological features of the Central and South Dobrogea

XY0895; EGU2008-A-05542; IS63 - TS5/SM26-1WE4P-0895
Zabci, C.; Karabacak, V.; Sancar, T.; Akyuz, H. S.; Altunel, E.; Gursay, H.; Tatar, O.
The possible eastward continuation of the 17 August 1668 Anatolian Earthquake on the North Anatolian Fault (NAF), Turkey

TS12 Structure, deformation, and flow of hot orogens – Posters

Convener: Chardon, D.
Co-Convener(s): Rey, P.; Teyssier, C.; Whitney, D.
Display Time: Wednesday, 08:00–19:30

Authors in Attendance: Wednesday, 08:30–10:00

Poster Area Halls X/Y
Chairperson: TEYSSIER, C.

XY0896; EGU2008-A-02926; TS12-1WE1P-0896
Forbes, C.; Giles, D.; Hand, M.; Chalmers, N.; Dutch, R.; Betts, P.
High-temperature metamorphism of the northeastern Gawler Craton, Australia (solicited)

XY0897; EGU2008-A-04520; TS12-1WE1P-0897
Gibson, R.L.; Ogilvie, P.; Lana, C.
Mesoarchaeon granulite facies metamorphism in the Vredefort Dome, South Africa – roots of a rapidly-exhumed transpressional magmatic arc terrane (solicited)

XY0898; EGU2008-A-09832; TS12-1WE1P-0898
Jones III, J. V.; **Siddoway, C. S.**
Synchronous High Strain, Granulite Facies Metamorphism and A-type Magmatism at 1.4 Ga, Wet Mountains, Colorado, USA (solicited)

XY0899; EGU2008-A-07341; TS12-1WE1P-0899
Cagnard, F.; **Gapais, D.**; Barbey, P.
Transition between “ Archaean-type ” to “ Modern-type ” orogenic belts: insights from Palaeoproterozoic times (solicited)

XY0900; EGU2008-A-07920; TS12-1WE1P-0900
Cagnard, F.; **Tirel, C.**; Brun, J.-P.; Burov, E.; Gapais, D.
Shortening of hot lithospheres, from Archaean orogens to modern high plateaus (solicited)

XY0901; EGU2008-A-02927; TS12-1WE1P-0901
Backé, G.; Baines, G.; Giles, D.
The Flinders Ranges, Australia: a typical case of an orogen related to an anomalously hot crust? (solicited)

XY0902; EGU2008-A-02929; TS12-1WE1P-0902
Forbes, C.; Betts, P.; Giles, D.; Weinberg, R.
Reinterpretation of high-temperature metamorphism within a continental back-arc setting for the Broken Hill Block, NSW, Australia (solicited)

XY0903; EGU2008-A-02263; TS12-1WE1P-0903
Gordon, S.M.; Whitney, D.L.; Bowring, S.; Miller, R.B.; McLean, N.
Migmatite crystallization during extension and collapse of a continental arc-orogenic plateau system (solicited)

XY0904; EGU2008-A-11182; TS12-1WE1P-0904
Whitney, D.L.; Teyssier, C.; Rey, P.
Melt, extension rates, and metamorphic core complexes (solicited)

XY0905; EGU2008-A-11363; TS12-1WE1P-0905
Kruckenberg, S.C.; **Teyssier, C.**; Whitney, D.L.; Ferre, E.; Chapman, A.; Vanderhaeghe, O.
Compatibility of deformation between upper crust and flowing partially molten crust in "hot" orogens (solicited)

XY0906; EGU2008-A-04736; TS12-1WE1P-0906
Callahan, O. A.; Crider, J. G.
An elevated geothermal gradient prior to early Cenozoic collapse of the North American Cordillera: evidence and implications (solicited)

XY0907; EGU2008-A-10871; TS12-1WE1P-0907
Hardebol, N.; Pysklywec, R.; Stephenson, R.; Callot, J.-P.; Bertotti, G.
Large-Wavelength Post-Orogenic Exhumation of the Canadian Cordillera Foreland Belt and Basin: Interplay between Lithospheric Rheology and Mantle Geodynamics (solicited)

XY0908; EGU2008-A-06081; TS12-1WE1P-0908
Okay, A.I.; Satir, M.; Zattin, M.; Cavazza, W.; Topuz, G.
An Oligocene ductile strike-slip shear zone: Uludag Massif, northwest Turkey – implications for lateral flow in mid to lower crust (solicited)

XY0909; EGU2008-A-02798; TS12-1WE1P-0909
ARNAUD, N.O.; AITCHISON, J.C.; LELOUP, P.H.; VALLI, F.; **WILDE, S.**
Constraints on the initiation of normal faulting across the Yarlung Tsangpo suture zone, from the Lopu Gangri range, southern Tibet (solicited)

XY0910; EGU2008-A-07990; TS12-1WE1P-0910
Warren, C. J.; Chakungal, J.; Grujic, D.; Jamieson, R. A.; Moynihan, D.; Ghalley, K. S.; Wangda, D.
Pelitic and mafic eclogite-granulites from NW Bhutan: PT history and tectonic implications (solicited)

XY0911; EGU2008-A-09009; TS12-1WE1P-0911
Herman, F.; Avouac, J.-P.; Bollinger, L.; Maheo, G.; Farley, K.; Harrison, M.
Is rapid exhumation of the High Himalaya of Central Nepal driven by ramp overthrusting, the formation of mid-crustal duplex, or out-of-sequence thrusting associated with channel flow? (solicited)

XY0912; EGU2008-A-08057; TS12-1WE1P-0912
Luth, S.W.; Willingshofer, E.
Post-collisional cooling trends in the Eastern Alps: Indications for spatial and temporal varying exhumation phases throughout the Miocene (solicited)

XY0913; EGU2008-A-11049; TS12-1WE1P-0913
Bousquet, R.; Wiederkehr, M.; Schmid, S.M.; Berger, A.
Where's the heat? – Possible heat sources for thermal overprint in modern orogens: an old question and new data (solicited)

XY0914; EGU2008-A-10950; TS12-1WE1P-0914
Oberhänsli, R.; Riemann, A.; Bousquet, R.; Obrien, P.; Khan, A.
Blueschists, fluid release and crustal flow; a Himalayan example (solicited)

IS64 - TS19/GD33/G16 Geology, tectonics, kinematics, seismology, and geodynamics of the Mediterranean-Near/Middle East region (co-organized by TS, GD & G)

Convener: Govers, R.
Co-Convener(s): van Hinsbergen, D., Edwards, M., Bertotti, G., Faccenna, C., Meghraoui, M., PARLAK, O., Piccardi, L., Robertson, A., Schmid, S., ten Veen, J., Vittori, E.
Lecture Room 5
Chairperson: N.N.

13:30–13:45; EGU2008-A-08740; IS64 - TS19/GD33/G16-1WE3O-001
Govers, R.
On the Messinian evolution of the western Alboran region

13:45–14:00; EGU2008-A-10259; IS64 - TS19/GD33/G16-1WE3O-002
Vergés, J.; **Fernández, M.**
The Betic-Gibraltar-Rif system: a squeezed plate boundary

14:00–14:15; EGU2008-A-04765; IS64 - TS19/GD33/G16-1WE3O-003
Booth-Rea, G.; Martínez-Martínez, J.M.; Azañón, J.M.; Torcal, F.; Pérez-Peña, V.
Slab pull and plate convergence, competing tectonic mechanisms in the Africa-Iberia plate boundary (western Mediterranean).

14:15–14:30; EGU2008-A-08319; IS64 - TS19/GD33/G16-1WE3O-004
Strzerzynski, P.; Cattaneo, A.; Domzig, A.; Mercier de Lepinay, B.; Deverchere, J.; Yelles, K.; Bracene, R.
Plio-quadernary shortening of the Algerian margin in the region of Boumerdes highlighted by multibeam bathymetry and seismic reflection (Maradja 1 and Samra cruises).

14:30–14:45; EGU2008-A-06584; IS64 - TS19/GD33/G16-1WE3O-005
Völkse, C.; Walpersdorf, A.; Barzaghi, R.; Borghi, A.; Cannizzaro, L.
The Geodetic Alpine Integrated Network (GAIN) - First Analysis and Results of a permanent GPS Network in the Alps

14:45–15:00; EGU2008-A-00778; IS64 - TS19/GD33/G16-1WE3O-006
Cassola, T.; Battaglia, M.; Doglioni, C.; **Zuliani, D.**
FEM modelling of stress accumulation in the Friuli Venezia Giulia area

15:00 COFFEE BREAK

Chairperson: N.N.

15:30–15:45; EGU2008-A-11075; IS64 - TS19/GD33/G16-1WE4O-001
Amato, A.; Cattaneo, M.; Chiarabba, C.; De Gori, P.; De Luca, G.; Monachesi, G.; Piana Agostinetti, N.
Crustal structure and seismicity of the Northern Apennines

15:45–16:00; EGU2008-A-07258; IS64 - TS19/GD33/G16-1WE4O-002
Willett, S.D.; Brandon, M.T.; Pazzaglia, F.J.; Bennet, R.A.; Fay, N.
A kinematic model for the Apennines as the crustal manifestation of a retreating subduction zone

16:00–16:15; EGU2008-A-01302; IS64 - TS19/GD33/G16-1WE4O-003
Schmid, S.M.; Bernoulli, D.; Fügenschuh, B.; Matenco, L.; Schefer, S.; Schuster, R.; Tischler, M.; Ustaszewski, K.
The Alpine-Carpathian-Dinaride-orogenic system: correlation and evolution of tectonic units

Thursday

16:15–16:30; EGU2008-A-09224; IS64 - TS19/GD33/G16-1WE40-004

Bozovic, M. ; Prelevic, D.; Gerdes, A.; Romer, R.L.; Barth, M.; Cvetkovic, V.; van den Bogaard, P.

Oceanic crust production in the Dinarides during the Senonian: combined U-Pb in situ laser ablation ICP(MC)-MS zircon and mineral separates Ar-Ar dating

16:30–16:45; EGU2008-A-02411; IS64 - TS19/GD33/G16-1WE40-005

Jolivet, L.; Brun, J.P.

Lithospheric-scale evolution of the Aegean region

16:45–17:00; EGU2008-A-04084; IS64 - TS19/GD33/G16-1WE40-006

Huet, B.; Labrousse, L.; Jolivet, L.

Kinematics of syn- and post-orogenic exhumations on Ios (southern Cyclades, Aegean Sea, Greece): local and regional constraints from an extensive field study

17:00 COFFEE BREAK

Chairperson: N.N.

17:30–17:45; EGU2008-A-04191; IS64 - TS19/GD33/G16-1WE50-001

Schneider, D.A.; Grasemann, B.; Heizler, M.; Vogel, H.; Iglseder, Ch.; Team, ACCEL

Thermochronometric constraints on extensional metamorphic dome formation in the western Cyclades, Aegean region

17:45–18:00; EGU2008-A-09468; IS64 - TS19/GD33/G16-1WE50-002

Müller, M. D.; Geiger, A.; Kahle, H.-G.; Veis, G.; Paradisis, D.; Billiris, H.; Felekis, S.; Galanis, J.

The Deformation Field in Greece from 13 Years of continuous and Campaign GPS Measurements

18:00–18:15; EGU2008-A-07894; IS64 - TS19/GD33/G16-1WE50-003

Tanasescu, G.; **Spakman, W.;** Ambrosius, B.A.C

Surface deformation of the European Mediterranean region and Asia Minor from inversion of GPS motion vectors

18:15–18:30; EGU2008-A-08457; IS64 - TS19/GD33/G16-1WE50-004

Wortel, M.J.R.; Govers, R.; Spakman, W.

Collisional Processes in the Africa-Eurasia Convergence Zone

18:30–18:45; EGU2008-A-11065; IS64 - TS19/GD33/G16-1WE50-005

Bousquet, R.; Oberhänsli, R.; Candan, O

The ambiguity of the Bitlis massif in the Southeast Anatolia

18:45–19:00; EGU2008-A-05876; IS64 - TS19/GD33/G16-1WE50-006

Dilek, Y.; Furnes, H.

Ophiolite genesis in Tethyan subduction factories of the Mesozoic Eastern Mediterranean region

19:00 END OF SESSION

IS63 - TS5/SM26 Earthquake geology (co-organized by TS & SM)

Convener: Caputo, R.

Co-Convener(s): Pavlides, S.

Lecture Room 5

Chairperson: CAPUTO R. - SINTUBIN M.

13:30–13:45; EGU2008-A-10507; IS63 - TS5/SM26-1TH30-001

Gudmundsson, A.; Kusumoto, S.; Philipp, S.; Simmenes, T

Opening-displacement variations in rock fractures

13:45–14:00; EGU2008-A-11834; IS63 - TS5/SM26-1TH30-002

Katz, O.; Amit, R.; Yagoda, G.; Hatzor, YH; Porat, N; Hecht, H

Seismic history of the Southeastern Sea of Galilee margins, Dead Sea Rift, Israel

14:00–14:15; EGU2008-A-09672; IS63 - TS5/SM26-1TH30-003

Argnani, A.; Bonazzi, C.; Pondrelli, S.; Rovere, M.; Vannucci, G.; Serpelloni, E.

Active tectonics and deformation pattern in the central Adriatic Sea: evidence by integrating seismic profiles, GPS data and focal mechanisms

14:15–14:30; EGU2008-A-06176; IS63 - TS5/SM26-1TH30-004

Michetti, A.M.; Berlusconi, A.; Livio, F.; Zerboni, A.; Cremaschi, M.; Trombino, L.; Mueller, K.; Vittori, E.; Carcano, C.; Rogledi, S.

Holocene surface faulting at Monte Netto, Brescia, and the Christmas 1222 earthquake in the Po Plain, Italy

14:30–14:45; EGU2008-A-01427; IS63 - TS5/SM26-1TH30-005

Galli, P.; Naso, J.A.; Piscitelli, S.; Giocoli, A.; Hailemichael, S.; Rizzo, E.

Unmasking the 1349 earthquake fault: paleoseismological indications from Latium-Campania border (central Italy)

14:45–15:00; EGU2008-A-00306; IS63 - TS5/SM26-1TH30-006

Caputo, R.; Salviulo, L.; Bianca, M.

Quaternary evolution of the Scoriabuoi Fault (Southern Italy): inferences for the recent activity of the area

15:00 COFFEE BREAK

Chairperson: ARGNANI A. - MICHETTI A.M.

15:30–15:45; EGU2008-A-00069; IS63 - TS5/SM26-1TH40-001

Fraser, J.; Pigati, J.; Hubert-Ferrari, A.; Vanneste, K.; Avsar, U.; Altinok, S.

A 3000 year chronology of North Anatolian Fault ruptures, utilizing magnetic susceptibility trench logging, near Lake Ladik, Turkey

15:45–16:00; EGU2008-A-01404; IS63 - TS5/SM26-1TH40-002

Yerli, B.; ten Veen, J.H.; Sintubin, M

Geological and Archaeoseismological Evidence of Neotectonic activity in the Fethiye-Burdur Fault Zone (Eşen Basin, SW Turkey)

16:00–16:15; EGU2008-A-01808; IS63 - TS5/SM26-1TH40-003

Garcia Moreno, D.; Hubert-Ferrari, A.; Moernaut, J.; Van Daele, M.; Damci, E.; De Batist, M.

The Hazar pull-apart along the east Anatolian fault: Structure and active deformation.

16:15–16:30; EGU2008-A-10795; IS63 - TS5/SM26-1TH4O-004

Guest, B; Kuebler, S; Hoffmann, M

Fault slip rates in time and space along the eastern margin of the Eastern California Shear Zone: Stateline fault system, California-Nevada, USA

16:30–16:45; EGU2008-A-04306; IS63 - TS5/SM26-1TH4O-005

Pinet, N.; Duchesne, M.; Bolduc, A.; Campbell, C.; Lavoie, D.

Quaternary fault(s) in southern Québec (Canada): first evidence from the St. Lawrence Gulf and Estuary

16:45–17:00; EGU2008-A-01867; IS63 - TS5/SM26-1TH4O-006

Hampel, A.; Hetzel, R.; Densmore, A. L.

Postglacial slip rate increase on the Teton normal fault, northern Basin and Range Province, caused by melting of the Yellowstone ice cap and deglaciation of the Teton Range

17:00 END OF SESSION

TS13 Structure and dynamics of orogenic wedges – Posters

Convener: Booth-Rea, G.

Co-Convener(s): gueydan, f.

Display Time: Thursday, 08:00–19:30

Authors in Attendance: Thursday, 13:30–15:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0769; EGU2008-A-02236; TS13-1TH3P-0769

Engl, D.A.; Ortner, H.

Large-scale fold structures in the Tauern Window involving both Penninic and Austroalpine units?

XY0770; EGU2008-A-06487; TS13-1TH3P-0770

Bausa, J.; Tavani, S.; Muñoz, J.A.; Storti, F.

3D fracture pattern in the Fiastrone anticline, Sibillini thrust sheet, Northern Apennines (Italy)

XY0771; EGU2008-A-02358; TS13-1TH3P-0771

Stanica, D.; Stanica, D.A.

An improved geodynamic model for the seismic active Vrancea zone, Romania

XY0772; EGU2008-A-03890; TS13-1TH3P-0772

Messenger, G.; Nivière, B.; Lacan, P.; Martinod, J.; Xavier, J.P.

Interplay between thick- and thin-skinned tectonics along fold and thrust belts. Example of the Andean foothill (Neuquén basin, Argentina)

XY0773; EGU2008-A-04788; TS13-1TH3P-0773

Belova, A. A.; Kuznetsov, N. B.; Ryazantsev, A. V.

The Vendian - Early Paleozoic tectonic evolution of the Southern Urals

XY0774; EGU2008-A-04297; TS13-1TH3P-0774

Zámolyi, A.; Decker, K.; Hölzel, M.; Strauss, P.; Wagerich, M.

Kinematics and timing of deformation at the front of the Alpine-Carpathian wedge

XY0775; EGU2008-A-09694; TS13-1TH3P-0775

Ortner, H.; Thöny, W.; Reiter, F.

Forward and hindward propagation of thrusting from Miocene – Recent in the Alps of Western Austria

XY0776; EGU2008-A-02349; TS13-1TH3P-0776

Wang, F.L.; Lu, C.Y.; Chiao, L.Y.; Hu, J.C.

Deformation of Accretionary Wedges Based on 2D Distinct Element Modeling

XY0777; EGU2008-A-07406; TS13-1TH3P-0777

Martínez-Martínez, J.M.; Booth-Rea, G.

Miocene upper-crustal extension and coeval mid-crustal shortening in the hinterland of the Betics (western Mediterranean)

Display Time: Thursday, 08:00–19:30

Authors in Attendance: Thursday, 15:30–17:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0778; EGU2008-A-04262; TS13-1TH4P-0778

Booth-Rea, G.; Martínez-Martínez, J.M.; Azañón, J.M.

Thermal consequences of syn-orogenic extension: example of the Sierra Nevada elongated dome (Western Mediterranean)

XY0779; EGU2008-A-09392; TS13-1TH4P-0779

Gueydan, F.; Booth-Rea, G.; Martínez-Martínez, J. M.; Garrido, C.

Continental subduction and back-arc extension in the western Mediterranean. Insights from simple 1D PT path numerical models

XY0780; EGU2008-A-03964; TS13-1TH4P-0780

Philippon, M.; Brun, J-P; Gueydan, F.

Deciphering subduction from exhumation in the blueschists of the Ile de Groix (Hercynian belt of Brittany, W France)

XY0781; EGU2008-A-03319; TS13-1TH4P-0781

Precigout, J.; Gueydan, F.; Gapais, D.

Mantle ductile deformation beneath a continental rift: insight from the structural study of the Ronda massif (southern Spain)

XY0782; EGU2008-A-07390; TS13-1TH4P-0782

Carry, N.; Brun, J.P.; Vrielynck, B.; Gueydan, F.; Marquer, D.

Exhumation of HP-UHP units in the Alps: the role of subduction rollback.

XY0783; EGU2008-A-00972; TS13-1TH4P-0783

Husson, L.; Brun, J-P.; Faccenna, C.; Gueydan, F.; Royden, L. H.

Transient subduction rollback as a mechanism for blueschists exhumation

XY0784; EGU2008-A-01937; TS13-1TH4P-0784

Booth-Rea, G.; Klaeschen, D.; Grevemeyer, I.; Reston, T.

Heterogeneous deformation in the Cascadia convergent margin and its relation to thermal gradient (Washington, NW EEUU)

TS16 Fluid flux, mass transfer and energy release in subduction zones – Posters

Convener: Sallarès, V.

Co-Convener(s): CALAHORRANO B., A., Collot, J.

Display Time: Thursday, 08:00–19:30

Authors in Attendance: Thursday, 13:30–15:00

Poster Area Halls X/Y

Chairperson: SALLARES, V.

XY0785; EGU2008-A-06865; TS16-1TH3P-0785

Kinoshita, M.; Kasaya, T.; Davis, E.; Meldrum, B.; Becker, K.

6 years of borehole pore-pressure monitoring at the toe of Nankai accretionary prism using two ACORK observatories

XY0786; EGU2008-A-08713; TS16-1TH3P-0786

Bourlange, S.; Conin, M.; Miyakawa, A.; Chang, C.; Henry, P.; Louis, L.; IODP NanTroSeize science party, the Porosity in Nankai Accretionary Wedge, Kumano transect, estimated from LWD resistivity data

XY0787; EGU2008-A-05120; TS16-1TH3P-0787

Hüpers, A.; Kopf, A.J.

New insights into the stress state of underthrust sediments at the Nankai margin

XY0788; EGU2008-A-11576; TS16-1TH3P-0788

Raimbourg, H.; Shibata, T.; Yamaguchi, A.; Yamaguchi, H.; Kimura, G.

Deformation kinematics within deep levels of accretionary prisms, the example of Nobeoka, Kyushu, Japan

XY0789; EGU2008-A-11033; TS16-1TH3P-0789

Bousquet, R.; Wichura, H.; de Capitani, C.; Oberhänsli, R.

Fluids release mechanisms, vein formation, and earthquake localization in subduction zones: a dynamic numerical modeling study

XY0790; EGU2008-A-08786; TS16-1TH3P-0790

Deschamps, F.; Guillot, S.; Godard, M.; Andreani, M.

In-situ characterization of subduction-related serpentinites: a new vision on behaviour of fluid mobile elements during the subduction factory

XY0791; EGU2008-A-06845; TS16-1TH3P-0791

Hensen, C. ; Wallmann, K.; Lu, Z.; Liebetrau, V.; Fehn, U.; Schmidt, M.; Ranero, C.R.

Geochemistry of cold vent fluids at the Central American convergent margin

XY0792; EGU2008-A-02372; TS16-1TH3P-0792

Fekete, N.; Spiess, V.; Murton, B.; Brüning, M.; Ding, F.; Le Bas, T.; Sahling, H.; Schwenk, T.

High-resolution multi-channel seismic and acoustic investigations at the Makran accretionary margin, offshore Pakistan

XY0793; EGU2008-A-10598; TS16-1TH3P-0793

Hindle, D.; **Kopp, H.;** Klaeschen, D.; Oncken, O.

End-member type accretion: a closed subduction channel off western Java

XY0794; EGU2008-A-03861; TS16-1TH3P-0794

Gross, K.; **Buske, S.;** Shapiro, S.; Wigger, P.

Reflection Seismic Imaging of the Seismogenic Coupling Zone in Southern Central Chile

XY0795; EGU2008-A-07778; TS16-1TH3P-0795

Calahorrano B., A.; Ranero, C. R.; Barckhausen, U.; Reichert, C.; Grevemeyer, I.

Crustal structure and tectonic deformation of the northern Chilean margin between 21 and 23.5°S

XY0796; EGU2008-A-06934; TS16-1TH3P-0796

Marcaillou, B.; Collot, C.; Ribodetti, A.; Spence, G.; Wang, K.

Morphotectonic variations along the North Ecuador & South Colombia margin (1-4°N); control on the location of the thermally-defined seismogenic zone

XY0797; EGU2008-A-06966; TS16-1TH3P-0797

Marcaillou, B.; Kinoshita, M.; Kodaira, S.; Fukao, Y.

Structural control of the along-strike variations in heat flow and the location of the thermally-defined seismogenic zone in South-Eastern Japan margin

XY0798; EGU2008-A-06572; TS16-1TH3P-0798

Dinc, A.N.; Thorwart, M.; Rabbel, W.; Flueh, E.R.

Interrelated changes of the lithospheric structure, volcanism and stress regime in the Central American subduction zone

XY0799; EGU2008-A-03681; TS16-1TH3P-0799

Manchuel, K.; Béthoux, N.; Régnier, M.; Pontoise, B.; Font, Y.; THE ESMEERALDAS TEAM

Seismicity pattern along the north Ecuadorian active margin

IS64 - TS19/GD33/G16 Geology, tectonics, kinematics, seismology, and geodynamics of the Mediterranean-Near/Middle East region (co-organized by TS, GD & G)

Convener: Govers, R.

Co-Convener(s): van Hinsbergen, D., Edwards, M., Bertotti, G., Faccenna, C., Meghraoui, M., PARLAK, O., Piccardi, L., Robertson, A., Schmid, S., ten Veen, J., Vittori, E.

Lecture Room 5

Chairperson: N.N.

8:30–8:45; EGU2008-A-09102; IS64 - TS19/GD33/G16-1TH1O-001

Bécel, A.; Laigle, M.; The SEISMARMARA Leg 1 Team

Deep basins, crustal architecture, Moho, and deep deformation under the North Marmara Trough, from the Seismarmara Leg 1 MCS and refraction seismic survey

8:45–9:00; EGU2008-A-04324; IS64 - TS19/GD33/G16-1TH1O-002

Gulen, L.; Zhang, H.; Benoit, M.; Kalafat, D.; Toksoz, M. N.

Crustal structure and thickness variations determined by Double-Difference Tomography and Receiver Functions in the Marmara Region, north western Turkey

9:00–9:15; EGU2008-A-10127; IS64 - TS19/GD33/G16-1TH1O-003

Erturac, M.K.; Özeren, M.S.; Holt, W.E.; Tari, E.; Yavasoglu, H.

GPS-Based Strain-Rate Inversions and the Behavior of the Middle Section of the Convex Arc of the North Anatolian Fault: Remarks on Splay Faulting

9:15–9:30; EGU2008-A-08090; IS64 - TS19/GD33/G16-1TH1O-004

Almuslmani, B.; Teferle, F.N.; Bingley, R.M.; Moore, T.

Present-day Arabian Plate Motion constrained by a dense GPS Network in Saudi Arabia

9:30–9:45; EGU2008-A-04867; IS64 - TS19/GD33/G16-1TH1O-005

Capitanio, F.A.; Faccenna, C.; Funicello, R.

The opening of Sirte basin: result of slab avalanching?

9:45–10:00; EGU2008-A-06931; IS64 - TS19/GD33/G16-1TH1O-006

Bar, O.; Gvirtzman, Z.; Zilberman, E.; Feinstein, S.

Contemporaneous subsidence of the Levant basin and emergence of northwestern Arabia during the Late Eocene – Early Oligocene

10:00 COFFEE BREAK

Chairperson: N.N.

10:30–10:45; EGU2008-A-06412; IS64 - TS19/GD33/G16-1TH2O-001

Agard, P.; Omrani, J.; Whitechurch, H.; Monié, P.; Jolivet, L.

Zagros geodynamics, from subduction to collision: the fate of the Neotethys

10:45–11:00; EGU2008-A-00414; IS64 - TS19/GD33/G16-1TH2O-002

Smit, J.; Burg, J.-P.; Dolati, A.; Bernoulli, D.; Muller, C.; Spezzaferri, S.

The accretionary complex of Makran in SE-Iran

11:00–11:15; EGU2008-A-04738; IS64 - TS19/GD33/G16-1TH2O-003

Tavakoli, F.; Walpersdorf, A.; Hatzfeld, D.; Djamour, Y.; Sedighi, M.; Nankali, H.R.

GPS present-day kinematics of the Kopeh Dagh (Iran)

11:15–11:30; EGU2008-A-08889; IS64 - TS19/GD33/G16-1TH2O-004
Kargarbafghi, F.; Foeken, J.P.T.; Neubauer, F.; Stuart, F. M.
 How Chapedony metamorphic core complex (Central Iran) became cool and how it was overprinted by Neogene asthenosphere uprise: Inferences from (U-Th)/He thermochronology

11:30 END OF SESSION

IS64 - TS19/GD33/G16 Geology, tectonics, kinematics, seismology, and geodynamics of the Mediterranean-Near/Middle East region (co-organized by TS, GD & G) – Posters

Convener: Govers, R.
 Co-Convener(s): van Hinsbergen, D., Edwards, M., Bertotti, G., Faccenna, C., Meghraoui, M., PARLAK, O., Piccardi, L., Robertson, A., Schmid, S., ten Veen, J., Vittori, E.
 Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 13:30–15:00
 Poster Area Halls X/Y
 Chairperson: N.N.

XY0800; EGU2008-A-09607; IS64 - TS19/GD33/G16-1TH3P-0800
Ghorbal, B.; Bertotti, G.; Foeken, J.; Stuart, F.; Andriessen, P.A.M
 New insights on the High Atlas building steps from Mesozoic to Quaternary times (Morocco).

XY0801; EGU2008-A-07462; IS64 - TS19/GD33/G16-1TH3P-0801
Martin Davila, J.; Pazos, A.; Buforn, E.; Udías, A.; Benzzeghoud, M.; Borges, F.J.; Harnafi, M.; Rimi, A.; Hanka, W.; Nadji, A.
 “Western Mediterranean” (WM) broad band network: permanent seismic monitoring at the Ibero-Maghrebian region.

XY0802; EGU2008-A-08569; IS64 - TS19/GD33/G16-1TH3P-0802
Domzig, A. ; Govers, R.; Wortel, R.; Déverchère, J.; Yelles, K.
 The western Algerian margin: an example of a Miocene STEP (Subduction-Transform Edge Propagator)? New constraints for the geodynamic evolution of the Alboran region

XY0803; EGU2008-A-08779; IS64 - TS19/GD33/G16-1TH3P-0803
Baes, M.; Govers, R.; Wortel, M.J.R
 Subduction initiation in the Western Mediterranean: preliminary results of numerical modeling

XY0804; EGU2008-A-11083; IS64 - TS19/GD33/G16-1TH3P-0804
Bousquet, R.; Oberhänsli, R.; Wiederkehr, M.; Schmid, S.M.; Koller, F.; Schuster, R.; Goffé, B
 The Tertiary geodynamic evolution of the Alps: what can we learn further from the metamorphism

XY0805; EGU2008-A-07583; IS64 - TS19/GD33/G16-1TH3P-0805
Haider, V.L.; Parrish, R.R.; Thöni, M.; Horstwood, M.S.; Brewer, T.S.
 The characterisation and U/Pb zircon and Rb/Sr mica age of the Rojen dyke swarm of the Austroalpine Ötztal nappe, (South Tyrol, Italy)

XY0806; EGU2008-A-02996; IS64 - TS19/GD33/G16-1TH3P-0806
Gosar, A.; Sebel, S.; Kavcic, M.; Kost'ák, B.; Semberk, J.
 Micro-deformation monitoring of active tectonic structures in W Slovenia

XY0807; EGU2008-A-07133; IS64 - TS19/GD33/G16-1TH3P-0807
Guenes, Z.; Kloetzli, U.; Sinigoi, S.
 Evidence for a ca. 1600 Ma lower crust in the Ivrea-Verbano zone, Italy

XY0808; EGU2008-A-07141; IS64 - TS19/GD33/G16-1TH3P-0808
Thöni, M.; Miller, Ch.
 Multi-stage garnet from the Plankogel unit, Eastern Alps: new constraints from Sm-Nd isotope, trace element and P-T data

XY0809; EGU2008-A-04104; IS64 - TS19/GD33/G16-1TH3P-0809
 Di Bucci, D.; **Caputo, R.**; Mastronuzzi, G.; Fracassi, U.; Selli, G.; Sansò, P.
 Late Quaternary extension of the southern Adriatic foreland (Italy)

XY0810; EGU2008-A-06818; IS64 - TS19/GD33/G16-1TH3P-0810
Gutscher, M.A.; Graindorge, D.; Miranda, J.M.; Baptista, M.A.; Tinti, S.; Polonia, A.
 Active deformation in the Calabrian wedge supports a subduction origin for great historical Italian earthquakes in E. Sicily

XY0811; EGU2008-A-06892; IS64 - TS19/GD33/G16-1TH3P-0811
Babbucci, D.; Viti, M.; Tamburelli, C.; Mantovani, E.
 Driving mechanism of back arc basins in the Central Mediterranean region

XY0812; EGU2008-A-06949; IS64 - TS19/GD33/G16-1TH3P-0812
Viti, M.; Mantovani, E.; Babbucci, D.
 Computation of strain rate fields from geodetic velocity data: different approaches and related problematics

XY0813; EGU2008-A-07608; IS64 - TS19/GD33/G16-1TH3P-0813
Polonia, A.; Torelli, L.; Klaeschen, D.; Ligi, M.; Mussoni, P.; Riminucci, F.
 Active deformation and fluid flow in the external Calabrian Arc - Ionian Sea

XY0814; EGU2008-A-11364; IS64 - TS19/GD33/G16-1TH3P-0814
Edwards, M. A.; Grasemann, B.; Team-ACCEL, A.
 Mediterranean accelerated slab retreat; subduction instability in stalled continental collision

XY0815; EGU2008-A-04078; IS64 - TS19/GD33/G16-1TH3P-0815
Lorinczi, P.; Houseman, G.A.
 Geodynamical models of the intermediate depth seismicity of the SE Carpathians

XY0816; EGU2008-A-03834; IS64 - TS19/GD33/G16-1TH3P-0816
Ustaszewski, K.; Schmid, S. M.; Fügenschuh, B.; Tischler, M.
 A Lower Miocene map-view restoration of the Alps-Dinarides-Carpathian system: evolution of lithosphere- and crustal-scale structures in time and space

XY0817; EGU2008-A-05051; IS64 - TS19/GD33/G16-1TH3P-0817
Bartol, J.; Matenco, L.; Leever, K.; Garcia-castellanos, D.
 Modelling the connectivity between sedimentary basins at short time scales and reduced amplitudes: inferences for Paratethys connectivity during the Messinian Salinity Crisis.

XY0818; EGU2008-A-09705; IS64 - TS19/GD33/G16-1TH3P-0818
van Hinsbergen, D.J.J.; Dupont-Nivet, G.; Nakov, R.
 Accomodating the west-Aegean rotations by extrusion of the Tisza block into the Carpathians?

- XY0819;** EGU2008-A-02232; IS64 - TS19/GD33/G16-1TH3P-0819
Bruestle, A.; Kueperkoch, L.; Meier, T.; Friederich, W.; the EGELADOS working group
 First manual localizations of microseismicity in the south-eastern Aegean using data of the EGELADOS network
- XY0820;** EGU2008-A-03490; IS64 - TS19/GD33/G16-1TH3P-0820
 Karastathis, V.; **Papoulia, J.;** Makris, J.; Liakopoulos, Sp.; Tsambas, A.
 3D Velocity Structure of the North Evoikos Basin, Central Greece
- XY0821;** EGU2008-A-04380; IS64 - TS19/GD33/G16-1TH3P-0821
Ganas, A.; Drakatos, G.; Rontogianni, S.; Tsimi, C.; Petrou, P.; Papanikolaou, M.; Argyrakis, P.; Boukouras, K.; Melis, N.; Stavrakakis, G.
 NOANET: the new permanent GPS network for Geodynamics in Greece
- XY0822;** EGU2008-A-04331; IS64 - TS19/GD33/G16-1TH3P-0822
Hall, J.; Aksu, A.; Yaltirak, C.; Winsor, J.
 The Rhodes Basin: a deep Pliocene-Quaternary depression related to convergence at the junction of Hellenic and Cyprus Arcs
- XY0823;** EGU2008-A-04336; IS64 - TS19/GD33/G16-1TH3P-0823
Aksu, A.; Hall, J.; Yaltirak, C.
 The Anaximander Mountains, eastern Mediterranean: defining the bend linking Cyprus and Hellenic Arcs, by Miocene convergence followed by Pliocene-Quaternary rotation and transpression
- XY0824;** EGU2008-A-07446; IS64 - TS19/GD33/G16-1TH3P-0824
 Kiratzi, A.; Sokos, E.; **Ganas, A.;** Tselentis, A.; Benetatos, C.; Roumelioti, Z.; Serpetzidaki, A.; Andriopoulos, G.; Galanis, O.; Petrou, P.
 The April 2007 earthquake swarm near Lake Trichonis and implications for active tectonics in western Greece
- XY0825;** EGU2008-A-10938; IS64 - TS19/GD33/G16-1TH3P-0825
Sokos, E.; Zahradnik, J.; Serpetsidaki, A.; Tselentis, G-A.
 The Mw 6.2 Leonidio, southern Greece earthquake of January 6, 2008: Preliminary identification of the fault plane.
- XY0826;** EGU2008-A-07720; IS64 - TS19/GD33/G16-1TH3P-0826
Tirel, C.; Wortel, M.J.R.; Govers, R.; Brun, J.-P.; Burov, E.
 Accretion of continental nappes along a convergent plate boundary
- XY0827;** EGU2008-A-08760; IS64 - TS19/GD33/G16-1TH3P-0827
Staackmann, M.; Casten, U.; Ates, A.
 Gravity controlled Moho depths in the Aegean region
- XY0828;** EGU2008-A-09376; IS64 - TS19/GD33/G16-1TH3P-0828
Ozbakir, AD; Ozeren, MS; Postacioglu, MN
 Green's function approach towards modeling thermal anomaly of Eastern Anatolia High Plateau
- XY0829;** EGU2008-A-07256; IS64 - TS19/GD33/G16-1TH3P-0829
Kalafat, D.; Kekovali, K.; Pinar, A.
 A Catalogue of Sources Parameters of Moderate and Strong Earthquakes for Turkey and its Surrounding Area
- XY0830;** EGU2008-A-06162; IS64 - TS19/GD33/G16-1TH3P-0830
Vardar, D.; Yaltirak, C.; Alpar, B.; Ozturk, K.
 Structural evolution of Erdek Bay and its surroundings, Turkey
- XY0831;** EGU2008-A-09923; IS64 - TS19/GD33/G16-1TH3P-0831
Kalafat, D.; Kekovali, K.; Pinar, A.
 The 30 July 2005 (Mw=5.4), 20 - 26 December 2007 (Mw=5.5; Mw=5.3) Afsar-Bala (Ankara) Earthquake Series in Central Turkey
- XY0832;** EGU2008-A-00194; IS64 - TS19/GD33/G16-1TH3P-0832
Boulton, S.J.
 Miocene to recent sedimentary and structural evolution of the southern Karasu Rift (northern Dead Sea Fault), Southern Turkey.
- XY0833;** EGU2008-A-06466; IS64 - TS19/GD33/G16-1TH3P-0833
Meyer, U.; Götze, H. J.; Sungchan, C.; Heyde, I.
 Recent helicopter gravimetry over the Dead Sea Basin
- XY0834;** EGU2008-A-02607; IS64 - TS19/GD33/G16-1TH3P-0834
Mahmoud, S.; Reilinger, R.; McClusky, S.; Vernant, P.
 Seismicity and Monitoring Crustal Deformation in and around Egypt Using GPS Technique: Implication for Eastern Mediterranean and Middle East Tectonics
- XY0835;** EGU2008-A-01098; IS64 - TS19/GD33/G16-1TH3P-0835
Saleh, S.; Jentzsch, J.
 3D density structure of the Eastern Mediterranean using gravity data analysis and seismicity
- XY0836;** EGU2008-A-00349; IS64 - TS19/GD33/G16-1TH3P-0836
Schattner, U.; Ben-Avraham, Z.
 Transform margin of the northern Levant, eastern Mediterranean: From formation to reactivation
- XY0837;** EGU2008-A-05121; IS64 - TS19/GD33/G16-1TH3P-0837
Al-Zoubi, A.; Ben-Avraham, Z.
 The Multilateral Research Activity along the Dead Sea – Jordan Rift Valley
- XY0838;** EGU2008-A-00467; IS64 - TS19/GD33/G16-1TH3P-0838
Mbida, M.; Ribodetti, R; Mascle, M; Yéné, Y; Ekodeck, E
 2D deep cross-section of Mediterranean thrust belts, Messinian imbricate slice, and Potential hydrocarbon traps and seals (Sirt and Cyrenaïcan foreland basin, Libya)
- XY0839;** EGU2008-A-02055; IS64 - TS19/GD33/G16-1TH3P-0839
Mozaffari Amiri, N.; Pourkermani, M.; Shahpasandzadeh, M.; Dowlat, E.
 An investigation into the geometry and kinematics of the North Tehran fault, Central Alborz, Iran
- XY0840;** EGU2008-A-04534; IS64 - TS19/GD33/G16-1TH3P-0840
 Dowlat, E.; Pourkermani, M.; Shahriari, S.; Navabpour, P.; **Mozaffari Amiri, N.**
 Fault slip analysis and paleostress reconstruction in the Aghdarband, Kopet Dagh, northeastern Iran
- XY0841;** EGU2008-A-04589; IS64 - TS19/GD33/G16-1TH3P-0841
 Sarkarinejad, K.; **Faghih, A.;** Samani, B.; Grasemann, B.
 Strain analysis and vorticity of flow in the Qatrouyeh deformed conglomerates, Iran: Implications for kinematics of an oblique convergence event

XY0842; EGU2008-A-04735; IS64 - TS19/GD33/G16-1TH3P-0842
Tavakoli, F.; **Walpersdorf, A.**; Hatzfeld, D.; Djamour, Y.; Sedighi, M.; Nankali, H.R.
Shear accommodation across the Lut block (eastern Iran) measured by GPS

XY0843; EGU2008-A-06522; IS64 - TS19/GD33/G16-1TH3P-0843
Farhoudi, G.; **Faghih, A.**; Mosleh, H.; Keshavarz, T.; Heyhat, M.; Rahnam Rad, J.
Using GIS/RS techniques to interpret different aspects of salt domes in southern Iran

XY0844; EGU2008-A-07042; IS64 - TS19/GD33/G16-1TH3P-0844
Safari, A.; Sharifi, M.A.
A new validation technique for shipborne gravity observations based on satellite altimetry data

XY0845; EGU2008-A-09755; IS64 - TS19/GD33/G16-1TH3P-0845
Zanchetta, S.; **Zanchi, A.**; Villa, I.M.; Poli, S.; Muttoni, G.
Gedynamic significance of the Shanderman eclogites (NW Alborz, Iran)

Friday

TS9 From rifting to drifting: observations, models and ideas on passive margin formation

Convener: Ruepke, L.
Co-Convener(s): Ranero, C.
Lecture Room 5
Chairperson: N.N.

13:30–13:45; EGU2008-A-02723; TS9-1FR3O-001
LABAILS, C.; Olivet, J.-L.; Aslanian, D.; Klingelhoefer, F.; Matias, L.; Moulin, M.; Nouze, H.; Sahabi, M.; Unternehr, P.
Crustal structure of the SW Moroccan margin from wide-angle and reflection seismic data (the Dakhla experiment)

13:45–14:00; EGU2008-A-06792; TS9-1FR3O-002
Autin, J.; Leroy, S.; d'Acremont, E.; Beslier, M.-O.; Ribodetti, A.; Bellahsen, N.; Razin, Ph.; Robin, C.
Continental break-up history of a poor magmatic margin from seismic reflection (northeastern Gulf of Aden margin, offshore Oman)

14:00–14:15; EGU2008-A-07748; TS9-1FR3O-003
Huisman, R.S.; Beaumont, C.
Complex rifted margins explained by dynamical models of depth-dependent lithospheric extension (solicited)

14:15–14:30; EGU2008-A-05606; TS9-1FR3O-004
Kusznir, N.J.; Fletcher, R.; Manatschal, G.
Continental lithosphere thinning leading to breakup and rifted margin formation by combined pure-shear and induced upwelling divergent flow

14:30–14:45; EGU2008-A-05308; TS9-1FR3O-005
Reston, T.J.; Booth-Rea, G.; Klaeschen, D.; Gaw, V.
The observation of polyphase faulting at rifted margins and implications for restoring extension

14:45–15:00; EGU2008-A-05567; TS9-1FR3O-006
Mohn, M.; Manatschal, M.; Müntener, M.; Kusznir, K.; Masini, M.
Detachment structures in the Bernina domain (SE Switzerland): can they explain the extreme thinning of the continental crust prior to mantle exhumation in the Alpine Tethys ocean?

15:00 END OF SESSION

TS9 From rifting to drifting: observations, models and ideas on passive margin formation – Posters

Convener: Ruepke, L.
Co-Convener(s): Ranero, C.
Display Time: Friday, 08:00–19:30
Authors in Attendance: Friday, 08:30–10:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0772; EGU2008-A-07619; TS9-1FR1P-0772
Gouiza, M.; Ghorbal, B.; Betotti, G.; Hafid, M.
Quantitative Mesozoic rifting and subsidence analysis of the Moroccan-Doukkala margin in relation to the Meseta domain and the Atlas Basin: New approach.

XY0773; EGU2008-A-07484; TS9-1FR1P-0773
Klingelhoefer, F.; Olivet, J.-L.; Aslanian, D.; Bache, F.; Moulin, M.; Afilhado, A.; Nouzé, H.; Beslier, M.-O.; Gailler, A.
Preliminary results from the SARDINIA deep seismic cruise on the Western Sardinia and Gulf of Lions conjugate margin pair

XY0774; EGU2008-A-06854; TS9-1FR1P-0774
Watremez, L.; Leroy, S.; Rouzo, S.; d'Acremont, E.
Deep structure of the northeastern Gulf of Aden margin from wide-angle seismic network: Encens cruise

XY0775; EGU2008-A-04171; TS9-1FR1P-0775
Stratford, W.; Thybo, H.; Faleide, J.; Olesen, O.; Tryggvason, A.
Crustal structure of the Oslo graben: preliminary results from MAGNUS-REX, new crustal scale refraction profiling across southern Norway.

XY0776; EGU2008-A-07473; TS9-1FR1P-0776
Watson, J. G.; Kusznir, N. J.; Tsikalas, F.; Faleide, J.
Asymmetry of the Norwegian and East Greenland conjugate rifted continental margins

XY0777; EGU2008-A-05317; TS9-1FR1P-0777
Reston, T.J.
Asymmetry and heterogeneity of crustal structure at magma-poor rifted margins: distribution of extension in space and time.

XY0778; EGU2008-A-07623; TS9-1FR1P-0778
Jammes, S.; Manatschal, G.; Lavier, L.
Strain partitioning in a transtensional setting at the termination of an oceanic basin : the example of the Bay of Biscay-Western Pyrenees

Display Time: Friday, 08:00–19:30
Authors in Attendance: Friday, 10:30–12:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0779; EGU2008-A-06734; TS9-1FR2P-0779
Burov, E.; Watremez, L.; Huet, B.
Dynamics of slow continental rifting: influence of gravity and rheology

XY0780; EGU2008-A-06533; TS9-1FR2P-0780
Gozzard, S.; Kusznir, N.; Goodliffe, A.; Manatschal, G.
Evidence for Depth-Dependent Stretching at the Propagating Tip of Sea-floor Spreading in the Woodlark Basin, from Satellite Gravity Inversion, Flexural Backstripping and Fault Analysis

XY0781; EGU2008-A-10546; TS9-1FR2P-0781
Medvedev, S.; Hartz, E.; Faleide, J.I.
Tectonic stresses associated with mid-oceanic ridge and passive margins of Arctic

XY0782; EGU2008-A-11092; TS9-1FR2P-0782
Wilson, R.W; Thompson, M; Boyd, K; **McCaffrey, K.J.W;**
Holdsworth, R.E
Structure and Evolution of an obliquely rifted Margin, the
Santos Basin, SE Brazil

XY0783; EGU2008-A-07483; TS9-1FR2P-0783
Cooper, C J ; Kuszniir, N J; Manatschal, G
Evidence for mass deficiency within the lithosphere of the
Iberian, Newfoundland, Nova Scotian and Labrador margins
from residual depth anomalies

XY0784; EGU2008-A-08994; TS9-1FR2P-0784
Lisker, F.; **John, T.;** Ventura, B.
Denudation and uplift across the Ghana transform margin as
indicated by new apatite fission track data

XY0785; EGU2008-A-09506; TS9-1FR2P-0785
Ghorbal, B.; Bertotti, G.; Foeken, J.; Stuart, F.; An-
driessen, P.A.M
Evolution of NW Africa during the Mesozoic (Western
Meseta, High Atlas and Anti Atlas)

TS13 Structure and dynamics of orogenic wedges

Convener: Booth-Rea, G.
Co-Convener(s): gueydan, f.
Lecture Room 5
Chairperson: N.N.

8:30–8:45; EGU2008-A-02046; TS13-1FR1O-001
Callot, JP; Monticone, B; Pillot, D
Analogue models of multi-layer brittle ductile wedges, and
comparison with natural examples

8:45–9:00; EGU2008-A-04199; TS13-1FR1O-002
Hoth, S.; Thiede, R. C.; Kukowski, N.; Oncken, O.;
Avouac, J-P.
Internal versus external forcing of orogenic detachments

9:00–9:15; EGU2008-A-07895; TS13-1FR1O-003
Souloumiac, P.; Cubas, N.; Leroy, Y. M.; Maillot, B.
Predicting in-situ stress and thrusting sequences in accre-
tionary wedges

9:15–9:30; EGU2008-A-09424; TS13-1FR1O-004
Gueydan, F; Le Garzic, E; Carry, N
Geometry and kinematics of continental subduction inferred
from 1D thermal modelling of prograde PT path

9:30–9:45; EGU2008-A-07115; TS13-1FR1O-005
Brun, JP; Faccenna, C
Exhumation of high-pressure rocks driven by slab rollback
in the Aegean (solicited)

9:45–10:00; EGU2008-A-12249; TS13-1FR1O-006
Warren, C J ; Beaumont, C; Jamieson, R A; Lee, B
Formation, detachment and exhumation of ultra-high-
pressure rocks during continental subduction: Implications
for 'extension' in convergent orogens (solicited)

10:00 END OF SESSION

TS16 Fluid flux, mass transfer and energy release in subduction zones

Convener: Sallarès, V.
Co-Convener(s): CALAHORRANO B., A., Collot, J.
Lecture Room 5
Chairperson: CALAHORRANO, A.

10:30–10:45; EGU2008-A-12182; TS16-1FR2O-001
Henry, P.; Lallemant, S.J.; Ashi, J.; Byrne, T.; Tobin, H.J.;
Kinoshita, M.; McNeill, L.; Moore, J.C.; Bourlange, S.;
Conin, M.; Nantroseize Shipboard Sci. Party (Exp. 314 &
315)
Accretionary wedge growth, seismogenic zone updip limit
and stress variations in Nankai subduction (solicited)

10:45–11:00; EGU2008-A-05938; TS16-1FR2O-002
Tobin, H.; Kinoshita, M; IODP Exp. 314 Scientific Party
State of Stress in the Nankai Trough Accretionary Complex
and Implications for the Seismogenic Cycle: Results from
3D Seismic Data and IODP Expedition 314

11:00–11:15; EGU2008-A-05863; TS16-1FR2O-003
Saffer, D.; Skarbek, R; Tobin, H; McKiernan, A
From the trench to the seismogenic zone: Establishing links
between, fluid pressure, low-T metamorphism, and fault
stability (solicited)

11:15–11:30; EGU2008-A-02802; TS16-1FR2O-004
Tilmann, FJ; Grevemeyer, I; Suwargadi, B; Kopp, H;
Flueh, E
The seismic/aseismic transition as seen in aftershocks of the
28 Mar 2005 Nias and 26 December 2004 Aceh-Andaman
earthquakes

11:30–11:45; EGU2008-A-06877; TS16-1FR2O-005
Marcaillou, B.; Spence, G.; Wang, K.; Collot, J.-Y.; Ri-
bodetti, A.
Prominent influence of trench sedimentation rate on heat
flow and location of the thermally-defined seismogenic zone
in convergent margin. Example of the North Ecuador & 'South
Colombia Margin (1-4°N)

11:45–12:00; EGU2008-A-02984; TS16-1FR2O-006
Kodaira, S.; Takahashi, N.; Sato, T.; Obana, K.; Taka-
hashi, T.; Kaneda, Y.
Crustal formation process and mass transfer in the Izu-Bonin
subduction factory revealed by active - passive seismic
studies (solicited)

12:00 END OF SESSION
