

PROGRAMME OF ORAL PRESENTATIONS

Monday 23 June	
08.30	Registration
09.00	Welcome
Session One: Fault Systems	
09.15	Keynote Speaker: David Sanderson (University of Southampton) Topology of Fault Networks
09.40	Ken McClay (Royal Holloway University of London) 3D Fault Systems In Rift Basins
10.00	Paul Gillespie (Statoil ASA) Fault Populations Revisited
10.20	Eric Seedorff (University of Arizona) Diverse Geometries and Temporal Relationships of Normal Faults and Fault Systems in Continental Extension: A Perspective from the Basin and Range Province and Mineral Deposits
10.40	Break & Poster Session
Session Two: Fault Geometry	
11.10	Efstratios Delogkos (University College Dublin) 3D Fault Zone Architecture – Insights from an Active, Opencast, Lignite Mine in Ptolemais Basin, Greece.
11.30	Andrea Bistacchi (Università degli Studi di Milano Bicocca) Dolomitization along normal faults in the Jurassic Vajont Limestone (Southern Alps, Italy): photogrammetric 3D outcrop reconstruction, visualization with textured surfaces, and structural analysis
11.50	Graham Yielding (Badley Geoscience Ltd) The Geometry of Branchlines
12.10	Tom Manzocchi (University College Dublin) Quantification of the Segmentation of Normal Faults
12.30	Discussion
12.50	Lunch & Poster Session
Session Three: Earthquakes/Dynamics	
13.50	Keynote Speaker: James Jackson (University of Cambridge) Active Normal Faulting and Variations in the Thickness of the Seismogenic Layer
14.15	Bob Holdsworth (University of Durham) Carbonate-Hosted Normal Fault Zone Development and Dynamic Weakening During Earthquake Slip
14.35	Barbara Hofmann (University of Leeds) Dyke-Induced Faulting Imaged with Insar and Differential Airborne Lidar at The Dabbahu Rift, Afar, Ethiopia
14.55	Gerald Roberts (Birkbeck College-University of London) Linking Historical Earthquake Records to Long Term Fault Slip Rates Using Cosmogenic ³⁶ Cl: Evidence for Migrating Earthquake Activity on a Centennial Timescale
15.15	Break & Poster Session
Session Four: Fault Growth	

15.45	Keynote Speaker: A Nicol (GNS Science) Fault Interactions and Growth
16.10	Joanna Faure Walker (University College London) A Geometry-Dependent Throw-Rate Theory Demonstrating the Importance of Local 3D Geometry and Kinematics for the Preservation of Displacement Deficits Across Zones of Fault Linkage
16.30	Chris Jackson (Imperial College London) Are the Isolated and Coherent Fault Growth Models Mutually Exclusive?
16.50	Patience Cowie (University of Bergen) Viscous Roots of Active Seismogenic Faults Revealed By Geologic Slip Rate Variations
17.10	Discussion
17.30	Wine Reception & Poster Session

Tuesday 24 June

08.30	Registration
	Session Five: Fault Systems 2
09.00	Keynote Speaker: Joe Cartwright (University of Oxford) Propagation and Growth of Polygonal Faults
09.25	Thilo Wrona (Imperial College London) Influence of Silica Diagenesis on the Growth of Normal Faults: A Case Study from the North Viking Graben, North Sea
09.45	Mary Ford (Université de Lorraine-ENSG) Evolution and Connectivity of A Young Fault Network in A Rapidly Opening Rift, Western Gulf Of Corinth
10.05	Casey W. Nixon (University of Southampton) 3-D Analysis of Fault Interactions within a Normal Fault Network, Milne Point, Alaska
10.25	Break & Poster Session
	Session Six: Fault and Traps
11.00	Keynote Speaker: Scott Wilkins (Anadarko Petroleum Corporation) How A Better Understanding of Normal Faults Benefits Hydrocarbon E&P
11.25	Alan Roberts (Badley Geoscience Ltd) Old Concepts in New Areas, Normal Fault Interaction on the Utsira High and Unexpected Prospectivity in The North Sea
11.45	David Tanner (Leibniz Institute for Applied Geophysics) Kinematic analysis of normal faults in the Otway Basin, Australia
12.05	Chris Elders (Curtin University) Effects of Multiple Detachment Layers on Fault Propagation and Linkage
12.25	Discussion
12.40	Lunch & Poster Session
	Session Seven: Fault Zones 1
13.40	Keynote Speaker: Janos Urai (RWTH Aachen University) Evolution of Clay-Rich Gouge in Normal Fault Zones in Sediments
14.05	Roy Gabrielson (University of Oslo) Normal Faults in Sedimentary Rocks; Dynamics, Architecture and Influences on Fluid Flow.

14.25	David Healy (University of Aberdeen) Porosity around Normal Fault Zones: Why the Gaps Matter
14.45	Martin Muravchik (University of Bergen) Internal Structure of a Fault Degradation Complex, Coastal Fault Belt, Suez Rift, Egypt
15.05	Break & Poster Session
	Session Eight: Fault Zones 2
15.35	Catherine Homberg (Université Pierre et Marie Curie) Ductile and Brittle Components in Meso-Scale Normal Faults
15.55	Atle Rotevatn (University of Bergen) 3D Variability of Fold Styles during Normal Fault Dip Linkage
16.15	Conrad Childs (University College Dublin) A Relationship Between Relay Ramp Aspect Ratio and Normal Drag
16.35	Jonathan Imber (Durham University) Analysis of fault propagation folds using elastic dislocation models
16.55	Discussion
17.15	Wine Reception & Poster Session followed by conference dinner

Wednesday 25 June

08.30	Registration
	Session Nine: Mechanical Layering
09.00	Keynote Speaker: David Ferrill (Southwest Research Institute, Texas) Mechanical Stratigraphy and Normal Faulting
09.25	Vincent Roche (University of Alberta) Mechanical Insights into the Role of Lithological Layering on Natural and Induced Fractures
09.45	Russell Davies (Rock Deformation Research USA) New Concepts in the Growth of Normal Faults as a Dependence on the Vertical Mechanical Heterogeneity
10.05	Lucía Pérez Díaz (Royal Holloway University of London) Dynamic Growth and Linkage of Extensional Faults in Pre-Kinematic and Syn-Kinematic Strata in Thin-Skinned Half Grabens
10.25	Martin P. J. Schöpfer (University of Vienna) Three-Dimensional Distinct Element Method (DEM) Modelling of the Growth of Normal Faults In Layered Sequences
10.45	Break & Poster Session
	Session Ten: Low Angle Faults
11.15	Chris Morley (Chiang Mai University, Thailand) The Widespread Occurrence of Low-Angle Normal Faults in a Rift Setting: Examples from Thailand, And Implications for Their Origin and Evolution
11.35	Luca Clemenzi (University of Parma) Structural Architecture, Palaeofluid Evolution and Tectonic Implications of the Tellaro Detachment Low-Angle Extensional Fault System (Northern Apennines, Italy).
11.55	Alaister Shakerley (Maersk Oil) Formation of Seaward-Dipping Reflectors during Transition from Continental Rifting to Seafloor Spreading

12.15	C.J. MacLeod (Cardiff University) 4-D Structure and Evolution of Oceanic Detachment Faults at Slow-Spreading Mid-Ocean Ridges
12.35	Discussion
12.50	Lunch & Poster Session
	Session Eleven: Polyphase Faulting
13.50	Keynote Speaker: Haakon Fossen (University of Bergen) Post-Caledonian Normal Faulting in the Northern North Sea Region: Role of Structural Inheritance
14.15	Emma Finch (University of Manchester) Three-Dimensional Evolution and Interaction of Faults in Multi-Phase Rifting
14.35	Gijs Henstra (University of Bergen) Evolution of the Vesterdjupet Fault Zone, Offshore Lofoten, North Norway: A Segmented Basin-Bounding Normal Fault Array in a Poly-Phasal Rift to Drift Margin System
15.55	Romain Hemelsdaël (Centre de Recherches Pétrographiques et Géochimiques) Sedimentary Record of Relay Zone Evolution, Central Corinth Rift (Greece): Role of Fault Propagation and Structural Inheritance
15.15	Break & Poster Session
	Session Twelve: Reactivation
15.40	David Quinn (Badley Geoscience Ltd) The Influence of Pre-Existing Rift Fabric on Subsequent Fault Array Evolution; An Example from the Horda Platform, Norwegian North Sea.
16.00	Craig Magee (Imperial College London) Influence of Crystallised Igneous Intrusions on Fault Nucleation and Reactivation during Continental Extension
16.20	Hamed Fazli Khani (RWTH Aachen University) Normal Fault Linkage and Reactivation and Their Effects on the Geometry of Hanging-Wall Sediments in a Deltaic Setting, Niger Delta
16.40	John Walsh (University College Dublin) Geometric Controls on Fault Reactivation – Implications for Leakage of Hydrocarbon Reservoirs.
17.00	Discussion
17.30	Closing Remarks & Finish