		GEOFLUIDS VI PROGRAM			
		WEDNESDAY, 15.04.2009			
		morning		Presenter	Title
8:30	-	9:00		McWha	Kaurna Welcome, Opening address
9:00	-	9:30	**Keynote**	**Nick Oliver**	Very rapid subsurface hydrothermal ore deposition mechanisms and the origin of breccia-hosted iron-oxide copper-gold deposits
		Session 1			***Mt Isa Mineralising Systems***
9:30	-	9:45		Rowena Duckworth	Trace Element Geochemistry and Mineralogy of the Mount Isa Copper ores, Queensland, Australia
9:45	-	10:00		Ryan D Long	The Geology and Mineralogy of the Paroo Fault and its role in the Mineralisation of the Deep Copper Orebodies, Mount Isa, Queensland
10:00	-	10:15		Gustav S Nortje	Fault-related mineralization in the Western Fold Belt, Mt Isa: Targeting copper using an integrated approach
10:15	-	10:30		Kazuo Kawasaki	Preliminary paleomagnetic results for the Century Zn-Pb-Ag deposit, Australia
10:30	-	11:15		*Tea / Coffee*	
		Session 2			*Pb-Zn, Au and U*
11:15	-	11:45	**Keynote**	**Michel Cuney**	Physical and chemical characteristics and of the fluids involved in the genesis of unconformity related uranium deposit and the dynamic of their circulation
11:45	-	12:00		Peter Schaubs	The effects of deformation and permeability variation in controlling the formation of uranium deposits in the Alligator Rivers region, Northern Territory, Australia
12:00	-	12:15		David T.A. Symons	Starting to track the Upper Mississippi Valley zinc-lead MVT fluid flow event, WI, USA
12:15	-	12:30		Katharina Pfaff	Fluid Mixing Recorded by Mineral Assemblage and Mineral Chemistry in a Mississippi Valley-Type Pb-Zn-Ag Deposit in Wiesloch, SW Germany
12:30	-	12:45		Galina Palyanova	Genesis of gold and silver sulphides at Yuny and Ulakhan deposits (North-East of Russia)
12:45	-	13:00		Martin Griessmann	Gold Mineralisation in the Adelaide Fold Belt - Preliminary Results
13:00	-	14:00		*Lunch*	*POSTERS*
		Afternoon Session 3			***Methods and Experiments***
14:00	-	14:30	**Keynote**	**Joel Brugger**	Towards Molecular-level Understanding of Geochemical Processes in Mineral Exploration
14:30	-	14:45		Pascal Grundler	Tellurium speciation under hydrothermal conditions
14:45	-	15:00		Stacey John Borg	Zn speciation in acetate-rich hydrothermal solutions, an X-ray absorption spectroscopy study.
15:00	-	15:15		Thorsten Geisler	A preliminary in situ Raman spectroscopic study of the oxygen isotope exchange kinetics between H2O and (PO4)aq
15:15	-	15:30		Martina Menneken	An evaluation of the potential of using Raman spectroscopy to determine the carbon isotope composition of CO2 inclusions
15:30	-	17:00		*Tea / Coffee*	*POSTERS*
		Session 4			
17:00	-	17:15		Boriana Georgieva Kotzeva	LA-ICP-MS analysis of single fluid inclusions in a quartz crystal. A methodological survey.
17:15	-	17:30		Jean Cauzid	Quantification of fluids hosted in opaque minerals using synchrotron radiation X-ray fluorescence
17:30	-	17:45		Julien Bourdet	Fluorescence and FT-IR signature of a water inhibition process in an oil reservoir
					Cocktail Function/Wine tasting SA Museum

		Thursday, 16.04.			
		morning		**Presenter**	**Title**
					COMPUTATIONAL MODELLING
9:00	-	9:30	**Keynote**	**Chongbin Zhao**	Critical Role of Geofluid Flow in Ore Forming Processes of Hydrothermal Systems: Theoretical Analysis and Computational Simulation
		Session 1			
9:30	-	9:45		Klaus Gessner	3D visualization and analysis of fractured rock using digital photogrammetry
9:45	-	10:00		Brent McInnes	Numerical modelling of magmatic-hydrothermal systems constrained by U-Th-Pb-He time-temperature histories
10:00	-	10:15		Jianwen Yang	Three-dimensional numerical modeling of salinity variations in driving basin-scale fluid flow related to the formation of the Mount Isa SEDEX deposits, northern Australia
10:15	-	10:30		Guoxiang Chi	Geochemical evidence and hydrodynamic modeling of two fluid systems involved in sandstone-hosted uranium mineralization in the northeast of the Ordos basin, China
10:30	-	11:15		*Tea / Coffee*	
		Session 2			
11:15	-	11:30		Michael Kühn	Reactive transport models of the Mount Isa Copper mineralisation show that fluid mixing is only feasible in free convection
11:30	-	11:45		Liangming Liu	Computational Modeling on Coupled MTH Processes for Forming Skarn Cu Deposits and its Significance for Deep Ore Exploration: Examples from Tongling-Anqing District, China
11:45	-	12:00		Edgar Santoyo	A new improved mathematical method to estimate stabilized formation temperatures using thermal recovery data of geothermal boreholes
12:00	-	12:15		Thomas Poulet	Assessing the Perth Basin geothermal opportunity: Preliminary results from simulations of heat transfer and fluid flow
12:15	-	12:30		Peiming Wang	Modeling Phase Equilibria and Thermophysical Properties in Electrolyte Systems Using a Speciation-Based Model
12:30	-	12:45		Jianguo Wang	Numerical simulation for geofluid focusing and penetration due to hydraulic fracture
12:45	-	13:00		Yanhua Zhang	Numerical simulation of extensional fault reactivation and fluid flow: generic models related to the Timor Sea
13:00	-	14:00		*LUNCH*	*POSTERS*
		Afternoon Session 3			***Deep fluids and magmatic fluid system***
14:00	-	14:15		**John Walshe**	Origins of the chemical potential of major mineral systems: Links to Earth degassing
14:15	-	14:30		Kevin Faure	Stable isotope and fluid inclusion data of the Rooiberg tin field deposits, South Africa
14:30	-	14:45		Berit Lehrmann	The association between skarn mineralisation and granite bodies in the Chillagoe region, North Queensland, Australia
14:45	-	15:00		Adam Tedesco	Late-stage orogenic model for Cu-Au mineralisation at Kanmantoo mine: new insights from titanium in quartz geothermometry, fluid inclusions and geochemical modelling.
15:00	-	15:15		Hashem Bagheri	Rare earth and trace element mobility by CO2 bearing fluids in five-element deposits of the Anarak area, Central Iran
15:15	-	15:30		Robert Hough	Relating quantitative microstructure in ore minerals to fluid chemistry,
15:30	-	17:00		*Tea / Coffee*	*POSTERS*
		Session 4			***CO2 Sequestration***
17:00	-	17:15		Allison Hortle	The impact of formation water flow on the CO2 storage capacity in the Offshore Gippsland Basin, Australia.
17:15	-	17:30		Fenjin Sun	The Origin and Formation of CO2 gas pools in Songliao Basin, China
17:30	-	17:45		Benjamin J Rostron	8+ years of characterization, monitoring, and risk assessment at the IEA GHG Weyburn-Midale CO2 Monitoring and Storage Project, Saskatchewan, Canada.
					Conference Dinner (extra booking required)

			Friday, 17.04.09			
			morning		Presenter	Title
						Hydrocarbon Fluids
41	9:00	-	9:30	**Keynote**	**Hanneke Verweij**	Overpressure generation and preservation in salt-dominated basins of the Netherlands offshore area
			Session 1			
42	9:30	-	9:45		Stephen Sestak	Pyrolysis of Jamison Sandstone Solid Bitumen from the Mesoproterozoic Roper Superbasin
43	9:45	-	10:00		Herbert Volk	Tracking petroleum systems in the Perth Basin by integrating microscopic, molecular and isotopic information of petroleum fluid inclusions
44	10:00	-	10:15		Xia Luo	The Origin of Deep layer Gases in the Jiyang Depression of Bohaibay Basin, China
45	10:15	-	10:30		Xinong Xie	Abnormally pressured environments and their control on hydrocarbon migration: case study on the Sanzhao depression of the Songliao basin, China
	10:30	-	11:00		*Tea / Coffee*	
			Session 2			***COMPUTATIONAL MODELLING***
46	11:00	-	11:15		Fiona Whitaker	Pervasive subsurface dolomitization of the Devonian Nisku Formation, Canada - new insights from Reaction Transport Modeling
47	11:15	-	11:30		Kosei Yamaguchi	Box modeling to estimate the degree of water-rock interaction during the Paleoproterozoic Lateritization of the Hekpoort Basalt, South Africa
48	11:30	-	11:45		Fadi Henri Nader	Reactive geochemical transport modeling of hydrothermal dolomite fronts: the case of Marjaba dolomite front (Jurassic, Lebanon)
49	11:45	-	12:00		Ge Lin	Numerical Simulation of the Controlling Role of Geofluids in the Thinning Process of the North China Craton
						Crustal Fluids
50	12:00	-	12:15		Bruce E Hobbs	Emergence in Crustal Plumbing Systems
51	12:15	-	12:30		Stephen Grasby	Controls on the distribution and geochemistry of thermal springs in the McKenzie Mountains, Northwest Territories, Canada
52	12:30	-	12:45		Vinyet Baques Almirall	Relationship between fluid flow and tectonic brecciation in the Neogene extensional Vallès-Penedès basin (Catalan Ranges, NE Iberian)
53	12:45	-	13:00		Rosemarie Mohais	On the effect of permeable magmatic foam on heat transfer in channelized lava flow
	13:00	-	14:00		*Lunch*	***Posters***
			Afternoon Session 3			***Crustal Fluids***
54	14:00	-	14:15		Tom Raimondo	Sources, thermal conditions and mechanisms of fluid ingress during regional rehydration of Alice Springs Orogeny intracratonic shear systems
55	14:15	-	14:30		Irene Cantarero	Pedogenetic processes coeval with Neogene faults evolution in the Barcelona's Plain, NE Spain
56	14:30	-	14:45		Florian Fusseis	The 'granular fluid pump' - a new model for fluid transfer through the middle crust based on creep cavitation
57	14:45	-	15:00		Sebastian Staude	Hydrothermal vein formation by extension-driven dewatering of the middle crust: An example from SW Germany
58	15:00	-	15:15		Susanne Schmid	Impact of sill emplacement on sandstones in the Northern Atlantic region
	15:15	-	16:00		*Tea / Coffee*	
			Session 4			***Low T Fluids***
59	16:00	-	16:15		Isaac Berwouts	Quartz-vein system development during progressive deformation in low-grade siliciclastic sediments. Evidence from the Palaeozoic of the Armorican Massif (Brittany, France)
60	16:15	-	16:30		Maria Cioppa	Magnetizations in the Ashern Formation and Interlake Group, Williston Basin: fluid infiltration or subsurface fluid flow?
61	16:30	-	16:45		Alison Ord	Chemical and Biological Transport in Deforming Porous Media
62	16:45	-	17:00		Liesbeth Breesch	Fluid flow reconstruction in a complex paleocave system reservoir in Wordiekammen, Central Spitsbergen
63	17:00	-	17:15		Ihsan Al-aasm	Vein calcite in Cretaceous carbonate reservoirs of Abu Dhabi: record of fluid flow