

DRAFT PROGRAM FOR AUSTRALIAN GEOTHERMAL ENERGY CONFERENCE

This is a draft program, and there will be some changes made however we will update the program as these occur. No responsibility will be taken for any omissions or errors.

Wednesday 16 November 2011

SJeanes Welcome
 Research supporting geothermal industry: IPGT
 The Hon Martin Ferguson, AM, MP, Minister for Resources and Energy will address Conference
 The Hon Michael O'Brien, MP, Minister for Energy & Resources will open Conference
 Signing Ceremony for IPGT

Gunter Siddiqui Developments in Switzerland
 US DoE Geothermal Technologies Program
 Panel Session - Invest in Geothermal Projects
 Bruce Wilson
 Paul Jenz, Austock Securities Ltd

Peter Reid Geothermal Reporting Code
 David McDonald Geothermal Energy Industry Update
 Company Updates
 Petrathem Ltd
 Geodynamics Ltd
 Panax Geothermal Ltd (speaker not Kerry will advise)

Green Rock Energy Ltd
 New World Energy Ltd
 Greearth Energy Ltd
 Granite Power

Thursday 17 November 2011

Speaker/Author	Research Directions	Plenary	Speaker/Author	
Barry Goldstein	Australian Geothermal Energy Group			
Arno Schaaf	Geothermal Research Initiative and International Partnership for Geothermal Technology			
Schools heads	UQ, WAGCOE, Ad, Newcastle etc.			
Chris Bromley	IEA roadmap			
Roland Horne	What Does the Future Hold for Geothermal Energy?			
	Regulation and Legislation			Ground Source Heat Pumps
Jim Driscoll	Geothermal Water Use: Requirements and Potential Effects		Ladislav Rybach	Success Factors in Geothermal Heat Pump Development
Steve McIntyre	Potential for Overconfidence and Bias in the Geothermal Industry		Klaus Regenauer-Lieb	Geothermal Cities
Simone Carr-Cornish	ARRC/Pawsey Geothermal Demonstration Project: An Example of How to Engage the Community		Charles Davidson	Development of Geothermal Waters for Recreational Purposes - Mornington Peninsula Australia
Mehdi Eghbal	Large scale integration of geothermal energy into the Australian transmission network		Rao Martand Singh	Geothermal Energy Pile: Thermal cum Static Load Testing
George McKenzie,	Staying Hot (Legal Solutions to Industry Challenges)		Malek Bouazza	Direct Geothermal Energy from Geostrutures
Jeremy Schultz				
	International			Exploration Research Highlights
A G Reyes	Huge untapped geothermal reserves in New Zealand		Paul Wilkes	Using gravity and magnetic methods for basement and structural studies to assist geothermal applications in the Perth Basin
G Yuce and L Taskiran	Hydrochemical Properties of Geothermal Fluids in the Bingol-Erzurum Province, Eastern Anatolia (TURKEY)		C. Siegel *	A new database compilation of whole-rock chemical and geochronological data of igneous rocks in Queensland: A new resource for HDR geothermal resource
V Svalova	Geothermal Resources of Russia and Their Complex Utilization		Heather Sheldon *	Convection or conduction? Interpreting temperature data from sedimentary basins
Dr. Herman Darnel Ibrahim	IGA WPRB		Soazig Corbel *	Using stratigraphic forward modelling to characterize and identify geothermal reservoirs
Ernie Majer	Induced Sismicity Protocols		L Ricard, J Chanu, L Esteban *	GeoTemp: A framework for temperature interpretation and modelling

L RicardL Esteban, L Pimienta, C Plane, C Evans, J Chanu, J Sarout *	Temperature estimates for geothermal application: Cockburn 1, Perth Basin, Australia
V. Marshall *	Residence of accessory minerals in, and the geochemistry of, high heat-producing granites in Queensland and Europe
Alexander Middleton *	Ca(La,Ce,Sm)(CO ₃) ₂ (F,OH) (synchysite?) from the Soultz high-heat producing monzogranite, Soultz-sous-Forêts, France: Implications for titanite destabilisation and differential REE mobility in hydrothermal systems
Leigh Farrar *	A Mathematically Perceptive Approach for the the Classification, Coordinating, Prioritising and Selection of Drill Hole Targets
E Iglesias *	Tracer testing at the Los Humeros, Mexico, high-enthalpy geothermal field

	Towards Demonstrating Flow
Peter Reid	Paralana 2 - Well Testing and Stimulation
Ben Humphreys	Experiences, Learnings and Developments of Surface Operations in a High Pressure Enhanced Geothermal System (EGS)
Jim Driscoll	Latrobe Valley Shallow Geothermal Project
Rosalind King	Integration of In-Situ Stress Analysis and Three-Dimensional Seismic Mapping to Understand Fracture Networks in Australian Basins
Allan Pring	Hydrothermal fluid flow during mineral alteration reactions in geothermal and other systems: An overview
Roland Horne	Smart Nanosensors For In-Situ Temperature Measurement In Fractured Geothermal Reservoirs

	Advanced Modelling: Full Presentations and Research Highlights
Miklos Antics/Pierre Ungemach	Sustainable Geothermal Reservoir Management: A Modelling Suite
H. L. Xing	PANDAS and Its New Applications in Geothermal Modelling
Rob Podgorney (TBC)	Advanced coupled Thermo-Hydro-Chemical-Mechanical modelling (TBC)
J Koh, A Shaik, S Rahman *	A Comprehensive 3D Thermo-poroelastic Numerical Model for Evaluation of Heat Recovery Potential from Enhanced Geothermal Systems: Patchwarra, a Case
C Xu, P Dowd, D Wyborn *	Comparison of Habanero fracture models derived from seismic signal analysis and A bayesian framework
R Mohais, C Xu, P Dowd *	An analytical model of coupled fluid flow and heat transfer through a fracture with permeable walls in an Enhanced Geothermal System
Y Alghalandis, C Xu, P Dowd *	A general framework for fracture intersection analysis: algorithms and practical applications
G Fardi, P Esmaili, A Ghanbari	Numerical Modelling of Subsidence Cause by Geothermal Plants Operation with Modified Method

Sponsored Drinks & Poster Session

* This year the Conference program will include a poster session. Each presenting author of the posters will also have the opportunity to introduce their work during the technical program via a short "Highlights" presentation of 5 minutes duration. All of these Highlights presentations will be conducted prior to the poster session on Thursday evening."

Friday 18 November 2011

	Towards Demonstrating Flow
Stephan Thiel	First results of monitoring fluid injection in EGS reservoirs using Magnetotellurics
Peter Leary	Well Log and Core Based 3D EGS Flow Simulation – Application to the Raton Basin Thermal Anomaly, CO, USA
Peter Rose	Tracer Testing to Characterize Fracture Surface Area in Engineered Geothermal Systems
Rob Jeffrey	Can Reservoir Conductivity be Enhanced by Shear Fractures Alone?

	Exploration
Lynn Reid	Geothermal Logging in Perth, Western Australia
Helen Gibson	Geothermal Simulation, Perth Basin, Western Australia
Sarah Sargent	Queensland Coastal Geothermal Energy Initiative: preliminary drilling and heat flow modelling results
Anthony Budd	Geoscience Australia's Onshore Energy Security Program: Geothermal Energy
I.Tonguç Uysal	QGECE research on delineation of Australian geothermal resources

	Investment and Finance
Catherine Zerger	What will make EGS geothermal energy a viable Australian renewable energy option?
Hal Gurgenci	
Alexander Richter	Current status on financing geothermal companies and projects, the stock market and debt financing in the North American context

	Drilling Technologies and Well Completion
Doug Blankenship	Sandia Labs
A Brandl, W Bray, F Molaei	Curing Lost Circulation Issues and Strengthening Weak Formations with a Sealing Fluid for Improved Zonal isolation of Wellbores
B Wu, B Wu, X Zhang, R Jeffrey	Wellbore Temperature and Thermo-poro-elastic Stress Analyses During Drilling or Stimulation

	Improving Conversion Efficiency
K Hooman Z Guan	QGECE Research on Heat Exchangers
P Jacobs, A Rowlands	The QGECE Power Conversion Group
H Russell	Geological Study – Seasonal Storage of Air-Cooled Water for Arid Zone Geothermal Power Plants
M Trefry, D Lester, G Metcalfe,	Opportunities for Shallow Heat Management via Subsurface Stirring
H Chua, K Rtegenauer-Lieb	
J Czaplá and A Rowlands	BZT Fluids In Supercritical Rankine Cycle Binary Power Plants