

DAY ONE – Wednesday, 16 November

07:30	Conference Registration
08:50	Welcome: <i>Susan Jeanes, Chief Executive, Australian Geothermal Energy Association (AGEA)</i>
09:00	Conference opening: <i>The Hon Michael O'Brien, Minister For Energy and Resources, Minister For Gaming, Minister For Consumer Affairs</i>
09:15	The International Partnership for Geothermal Technology – Research Supporting Geothermal Industry <i>Ólafur Flóvenz, General Director of ISOR (Iceland Geosurvey, www.isor.is)</i>
09:30	Signing Ceremony – New Zealand signing IPGT Agreement
10:00	MORNING BREAK
	<i>Session Chair: Graeme Beardsmore (IGA Board Member - Australia)</i>
10:30	What Does the Future Hold for Geothermal Energy? <i>Roland Horne, President International Geothermal Association, Professor Stanford University</i>
10:55	Geothermal Developments in Switzerland: <i>Gunter Siddiqui, Swiss Federal Office Of Energy; Deputy Head Section Energy Research</i>
11:20	Western Pacific Regional Branch of the International Geothermal Association: <i>Herman Darnel Ibrahim, International Geothermal Association [IGA] Bod Member and Chairman of Western Pacific Regional Branch. Indonesian National Energy Council Committee Member</i>
11:30	Panel Session – Investment in Geothermal Projects: <i>Mike Hollitt, Exec Director Earth Resources Development, DPI; Bruce Wilson, Principal Adviser, Resources & Energy DRET and Paul Jenz, Sustainable Energy & Agribusiness Analyst, Austock Group.</i>
12:30	LUNCH
	<i>Session Chair: David McDonald, Chairman AGEA, Managing Director, KUTH Energy Ltd</i>
13:30	Geothermal Reporting Code: <i>Peter Reid, Chair of Geothermal Reporting Code Committee</i>
13:40	Geothermal Energy Industry Update: <i>David McDonald, Chairman AGEA, KUTH Energy Ltd</i>
	Company Updates
13:55	Petratherm Ltd: <i>Terry Kallis, Managing Director</i>
14:15	Geodynamics Ltd: <i>Geoff Ward, Managing Director & Chief Executive Officer</i>
14:35	Panax Geothermal Ltd: <i>David Jenson, General Manager Geothermal Engineering</i>
14:55	AFTERNOON BREAK
	<i>Session Chair: Barry Goldstein (Chair, AGEG)</i>
	Company Updates
15:25	Green Rock Energy Ltd: <i>Richard Beresford, Managing Director, Green Rock Energy Limited</i>
15:45	CSIRO SESKA Geothermal Demonstration Project Update: <i>Cameron Huddleston-Holmes, Geothermal Stream Leader, CSIRO</i>
16:05	New World Energy Ltd: <i>John Libby, Managing Director & Chief Executive Officer</i>
16:20	Granite Power Ltd: <i>Stephen de Belle, Managing Director & CEO</i>
16:35	Greenearth Energy Ltd
16:50	KUTH Energy Ltd: <i>David McDonald, Managing Director</i>
	DAY ONE CLOSE
17:00	AGEG AGM – Grand room 3
17:15	Happy Hour – sponsored by Department of Primary Industries and Resources, South Australia (PIRSA) in the Trade Exhibition Area
19:00	Conference Dinner – sponsored by KUTH Energy in the State Room

DAY TWO – Thursday 17 November

08:00	Conference Registration	
	Geothermal Developments	
	Session Chair: George McKenzie (Partner, Finlaysons)	
08:30	Australian Geothermal Energy Group, Barry Goldstein, Director, Petroleum and Geothermal, PIRSA, Chair AGEG	
08:40	Geothermal Research Initiative and International Partnership for Geothermal Technology: Arno Schaaf, Business Development Director for CSIRO's Petroleum and Geothermal Research Activities	
09:00	Overview of Emerging Renewables Program: Veronica Heard, Manager, Emerging Renewables Program, Australian Centre for Renewable Energy	
09:20	Status on financing geothermal development in North America: Alexander Richter, Director, Canadian Geothermal Energy Assoc., Founder & Principal, Thinkgeoenergy	
09:40	Global Geothermal Deployment – IEA's Roadmap to the future, Chris Bromley, Chairman of the IEA-GIA and Senior Geothermal Scientist at GNS Science	
10:00	MORNING BREAK	
	Regulation and Legislation	Ground Source Heat Pumps
	Session Chair: Adrian Larking, Chair, AGEA Regulation and Legislation Committee	Session Chair: Donald Payne, Direct Use TIG Chair
10:30	Staying Hot (Legal Solutions To Industry Challenges): Jeremy Schultz, Partner and Board Member Finlaysons and George Mckenzie, Partner, Finlaysons	Success factors in geothermal heat pump development: Ladislav Rybach, Managing Director, Geowatt AG Zurich
10:50	Geothermal Water Use: requirements and potential effects: Jim Driscoll, Geoscientist	Geothermal Cities: Klaus Regenauer-Lieb
11:10	Large scale integration of geothermal energy into the Australian transmission network: Mehdi Eghbal, Postdoctoral Research Fellow, Queensland Geothermal Energy Centre of Excellence	Development of Geothermal Waters for Recreational Purposes – Mornington Peninsula, Australia: Charles Davidson, Co-Founder and Director, Peninsula Hot Springs
11:30	Practice Notes for Community Engagement: Steve Kennedy	Geothermal Energy Pile: thermal cum static load testing: Rao Martand Singh
11:50	ARRC/Pawsey Geothermal Demonstration Project: an example of how to engage the community: Simone Carr-Cornish, Social Research Officer within CSIRO's Earth Science and Resource Engineering Division	Direct Geothermal Energy from Geostructures: Malek Bouazza
12:10	LUNCH	
	International	Exploration Research Highlights
	Session Chair: Kerry Parker, Panax	Session Chair: Bettina Bendall, PIRSA
13:10	Huge untapped geothermal reserves in New Zealand: Agnes Reyes, Senior Scientist, Institute of Geological and Nuclear Sciences, New Zealand	Tracer testing at Los Humeros, Mexico, a high-enthalpy fractured geothermal reservoir: Eduardo R Iglesias, Instituto De Investigaciones Eléctricas (México), Geothermal Department, Principal Investigator, Leader Reservoir Engineering Group; International Geothermal Association; Member of the Board Of Directors; Chairman of the Information Committee.
13:30	Hydrochemical Properties of Geothermal Fluids in the Bingol-Erzurum Province, Eastern Anatolia (TURKEY): Galip Yuce, (Visiting Scientist, PH.D.) Queensland Geothermal Energy Centre of Excellence	Using gravity and magnetic methods for basement and structural studies to assist geothermal applications in the Perth Basin: Paul Wilkes, Research Geophysicist, WA Geothermal Centre of Excellence, CSIRO Earth Science and Resource Engineering, Perth
13:40		Convection or Conduction? Interpreting temperature data from Sedimentary Basins: Alison Kirkby*
13:50	Geothermal Resources of Russia and Their Complex Utilization: Valentina Svalova, Leading Scientist, Institute of Environmental Geoscience RAS	Using stratigraphic forward modelling to characterise and identify geothermal reservoirs: Ludovic Ricard*, Reservoir Engineer, CSIRO and WA Geothermal Centre of Excellence
14:00		A new database compilation of whole-rock chemical and geochronological data of igneous rocks in Queensland: A new resource for HDR geothermal resource: Coralie Siegel*
14:10	Sustainable Geothermal Reservoir Management. A Modelling Suite: Miklos Antics, Managing Director, GPC IP	GeoTemp: A framework for temperature interpretation and modelling: Ludovic Ricard*, Reservoir Engineer, CSIRO and WA Geothermal Centre of Excellence
14:20		Zircon chronochemistry of high heat-producing granites in Queensland and Europe: Victoria Marshall*
14:30	Induced Seismicity Protocols: Ernie Majer	Ca(La,Ce,Sm)(CO ₃) ₂ (F,OH)(synchysite?) from the Soultz high-heat producing monzogranite, Soultz-sous-Forêts, France: Alexander Middleton*
14:40		A mathematically perceptive approach for the classification, coordinating, prioritising and selection of drill hole targets: Leigh Farrar*, Independent Consultant/Geophysicist
14:50		Temperature estimates for geothermal application: Cockburn 1, Perth Basin, Australia: Ludovic Ricard*, Reservoir Engineer, CSIRO and WA Geothermal Centre of Excellence
15:00	AFTERNOON BREAK	

* Presenting author will give a 10 min "highlights" presentation, followed by a poster session in the Exhibition area at the conclusion of the days sessions.

DAY TWO – Thursday 17 November

Towards Demonstrating Flow		Advanced Modelling and Improving Conversion Efficiency	
Session Chair: Graeme Beardsmore, IGA Board Member – Australia		Session Chair: Hal Gurgenci, Director QGECE	
15:30	Hydrothermal Fluid flow during mineral alteration reaction in geothermal and other systems: An overview: Allan Pring, Head of Earth Sciences, South Australian Museum and Affiliated Professor, School of Earth and Environmental Sciences, University of Adelaide	A comprehensive 3D thermo-poroelastic numerical model for evaluation of heat recovery potential from enhanced geothermal systems: Patchwarra, a case study: Sheik S Rahman	
15:50	Framework for 3D EGS Flow Simulation – Application to Raton Basin Thermal Anomaly, CO, USA: Peter Leary, Chief Scientist, Institute of Earth Sciences and Engineering, University of Auckland	An analytical model of coupled fluid flow and heat transfer through a fracture with permeable walls in an enhanced geothermal system: Rosemarie Mohais & Chaoshui Xu	
16:10	Smart Nanosensors for in-situ temperature measurement in fractured geothermal reservoirs: Roland Horne, President International Geothermal Association, Professor Stanford University	A general framework for fracture intersection analysis: algorithms and practical applications: Younes Fadakar Alghalandis, PHD Candidate, The University of Adelaide	
16:30	Can Reservoir Conductivity be Enhanced by Shear Fractures Alone? Rob Jeffrey, Program Leader – Petroleum Engineering, CSIRO Earth Science & Resource Engineering Petroleum & Geothermal	Opportunities for Shallow Heat Management via Subsurface Stirring: Mike Trefry, Program Leader Hydrothermal Assessments, Western Australian Geothermal Centre of Excellence	
16:50	Integration of in-situ stress analysis and three-dimensional seismic mapping to understand fracture networks in Australian basins: Rosalind King	Geological Study - seasonal storage of air-cooled water for arid zone geothermal power plants: Hugh Russell	
DAY TWO CLOSE			
17:10	Happy Hour – in the Trade Exhibition Area, incorporating the Poster Session		
17:30	AGEA AGM – Grand room 1		

DAY THREE – Friday 18 November

08:00	Conference Registration		
Drilling Technologies and Well Completion & Improving Conversion Efficiency		Exploration	
Session Chair: Peter Reid, Petrathern		Session Chair: Cameron Huddlestone-Holmes, Geothermal Stream Leader, CSIRO	
09:00	Well Construction Technology Efficiencies – The research efforts of the United States Department of Energy, Geothermal Technologies: Doug Blankenship, Sandia National Laboratories; Manager, Geothermal Research Department	Geothermal Logging in Perth, Western Australia: Paul Wilkes, Research Geophysicist, WA Geothermal Centre of Excellence, CSIRO Earth Science and Resource Engineering, Perth	
09:20	Curing Lost Circulation Issues and Strengthening Weak Formations with a Sealing Fluid for Improved Zonal Isolation of Wellbores: Andreas Brandl, Research Scientist, Baker Hughes	Geothermal Simulation, Perth Basin, Western Australia: Ameer Ghori, Senior Geologist, Geological Survey of Western Australia, Dept of Mines & Petroleum	
09:40	Wellbore Temperature and Thermo-elastic Stress Analyses During Drilling or Stimulation: Bisheng Wu, Postdoc Research Fellow at Hydraulic Fracturing Group, Clayton	Queensland Coastal Geothermal Energy Initiative: preliminary drilling and heat flow modelling results: Sarah Sargent	
10:00	QGECE Research on Heat Exchangers: Kamel Hooman	Geoscience Australia's Onshore Energy Security Program: Geothermal Energy: Anthony Budd, Geothermal Energy Project Leader, Geoscience Australia	
10:20	QGECE Research on Power Conversion: Peter Jacobs	QGECE Research on Delineation of Australian Geothermal Resources: Tonguc Uysal	
10:40	MORNING BREAK		
Towards Demonstrating Flow – Paralana & Cooper Basin		Exploration and Advanced Modelling	
Session Chair: Martin Hand, Director, SACGER		Session Chair: Klaus Regenauer-Lieb, Director, WAGCOE	
11:10	Paralana 2 – well testing and stimulation: Peter Reid, Chair of Geothermal Reporting Code Committee	Mid West Geothermal Project, North Perth Basin, Australia: Adrian Larking, Director of Operations, Green Rock Energy Ltd	
11:30	First Results of Monitoring Fluid Injection in EGS Reservoirs using Magnetotellurics: Stephan Thiel, SACGER, School Of Earth And Environmental Sciences, University Of Adelaide	Latrobe Valley Shallow Geothermal Project: Jim Driscoll, Geoscientist	
11:50	Real-time induced seismicity monitoring during wellbore stimulation at Paralana-2, South Australia: Mike Hastings, Owner Hasting Micro-Seismic Consulting, Consultant for the Institute of Earth Science and Engineering, President and CEO Sondri and Consultants USA	Geothermal Resources of Sedimentary Basins: A new USA Initiative and Opportunity for International Collaborational resources and opportunities for international collaboration: Walt Synder, Professor, Boise State University, Boise, Idaho, USA	
12:10	Experiences, learnings and developments of surface operations in a high pressure enhanced geothermal system: Ben Humphreys	PANDAS and its new applications in geothermal modelling: H L Xing	
12:30	LUNCH		
Research Needs Workshop			
Session Chair: Anthony Budd, Geothermal Energy Section Leader, Geoscience Australia			
13:30	What will make EGS geothermal energy a viable Australian renewable energy option? A moderated discussion lead by a panel of representatives from industry and academia: Klaus Regenauer-Lieb, Doone Wyborn, Martin Hand, Peter Reid, Arno Schaff, Hal Gurgenci		
CONFERENCE CLOSE			