

Monday 21 November 2011

8.00am	Registration Opens	
8.30am	Housekeeping <i>Lecture Theatre 401</i>	
8.40am	Welcome and opening	
9.20am	Keynote 1: Roland Horne What Does the Future Hold for Geothermal Energy?	
10.00am	Morning Tea	
	Session 1: Stream A Reservoir Modelling <i>Lecture Theatre 401</i>	Session 1: Stream B Geophysics <i>Breakout Theatre 403</i>
10.30am	56: Dr Jonathon Clearwater Modelling the Ngatamariki Geothermal System	29: Mr Robert Reeves Electrical imaging of shallow geothermal aquifers using fixed loop TEM soundings in the Otumuheke Spring area, Taupo, New Zealand.
10.50am	81: Emily Clearwater An update on the modelling of the Ohaaki geothermal system	66: Dr Fabian Sepulveda Interpretation of Magnetotelluric Survey at Wairakei-Tauhara Geothermal System, New Zealand
11.10am	83: Ms Eylem Kaya Three-Dimensional Model of the Deep Geothermal Resources in Part of the Taupo Reporoa Basin	32: Dr John Louie Advanced Seismic Imaging for Geothermal Development
11.30am	92: Jericho Omagbon Use of an Heuristic Method and Pest for Calibration of Geothermal Models	35: Dr Supri Soengkono Deep Interpretation of Gravity and Airborne Magnetic Data of the Central Taupo Volcanic Zone
11.50am	47: Dr John Rugis Towards Crustal Reservoir Flow Structure Modeling Through Interactive 3D Visualization of MEQ & MT Field Data	20: Mr Michael Hasting Real-Time Induced Seismicity Monitoring During Wellbore Stimulation at Paralana-2 South Australia
12.10pm	Lunch	
1.10pm	Keynote 2: Greg Bignall A deep (5 km) geothermal science drilling project for the Taupo Volcanic Zone - Who wants in?	
	Session 2: Stream A Taupo Volcanic Zone <i>Lecture Theatre 401</i>	Session 2: Stream B Environment <i>Breakout Theatre 403</i>
1.50pm	86: Warwick Kissling Modelling the Flow of Hydrothermal Fluids in the Crust Above an Evolving Continental Rift	28: Mr Robert Reeves Waikite wetland restoration project: Initial Results
2.10pm	48: Ms Samantha Alcaraz 3D Visualisation Model of the Taupo Volcanic Zone Basement	37: Dr Ian Boothroyd Sustaining geothermal ecosystems: Geochemical influence and restoration of geothermal ecosystems
2.30pm	51: David Dempsey Modelling Geothermal Circulation in a "TVZ-Like" Setting	90: Mr Chris Bromley Suggested Criteria for Geothermal Feature Ranking and Geothermal System Categorisation
2.50pm	Afternoon Tea	
3.20pm	Keynote 3: Bjarni Pálsson The Iceland Deep Drilling Project – How to Handle the World's Hottest Geothermal Well?	
	Session 3: Stream A Reservoir Management <i>Lecture Theatre 401</i>	Session 3: Stream B Future Developments <i>Breakout Theatre 403</i>
4.00pm	63: Trystan Glynn-Morris Characterizing feed zones in geothermal fields: Integrated learnings from completion testing, image logs and continuous core	38: Mr Peter Armstrong Geothermal – Opportunities to support delivering the Energy for the Future
4.20pm	22: Ms Sarah Helbig Successful Acid Treatment of a Production Well in the Tauhara Field, New Zealand	59: Ms Diane Bradshaw Embracing Ground Source Heat Pump Technologies For Rural Māori Communities
4.40pm	TBA	62: Mr Sam Malafeh Unitisation of Geothermal Resources: Economics and Policy
5.00pm - 7.00pm	'Geothermal New Zealand' Workshop Reception and Student Posters	

Tuesday 22 November 2011

8.50am	Housekeeping <i>Lecture Theatre 401</i>	
9.00am	Keynote 4: Colin Wilson Volcanological and structural insights into geothermal systems in the Taupo Volcanic Zone	
	Session 4: Stream A Taupo Volcanic Zone <i>Lecture Theatre 401</i>	Session 4: Stream B Production and Management <i>Breakout Theatre 403</i>
9.40am	27: Ms Lauren Foote Experimental calibration of Phreatic and Hydrothermal Explosions: A case study on Lake Okaro, New Zealand	68: Dr. Yong Cho Development of Riverbank Filtration Water Supply and Return System for Sustainable Green House Heating and Cooling
10.00am	17: Dr Bridget Lynne Scanning electron microscopy and compressibility measurements: A dual approach providing insights into hydrothermal alteration and rock strength at Tauhara Geothermal Field, New Zealand.	64: Mr Cheng Zhou A Feasibility Study on Hybrid Solar-Geothermal Power Generation
10.20am	Morning Tea	
	Session 5: Stream A Geology <i>Lecture Theatre 401</i>	Session 5: Stream B Production and Management <i>Breakout Theatre 403</i>
10.50am	49: Dr Graham Ramsay Geotechnical Investigations of Subsidence in the Wairakei-Tauhara Geothermal Field	60: Mr Anthony Menzies Correlation and Modeling of Reservoir Pressure Changes in the Tiwi Geothermal Field, Republic of the Philippines
11.10am	54: Dr. James Faulds The Pyramid Lake Paiute Reservation, Western Nevada (USA): Exploration for Blind Geothermal Systems in a Transtensional Displacement Transfer Zone	74: Dr. rer.nat. Manfred Paul Hochstein Electric power potential estimates of high-temperature geothermal fields in Indonesia and the Philippines (a historic review)
11.30am	41: Cécile Massiot The History of the Ohaaki Geothermal Field - in 3D	69: Arvin Aqui Permeability Enhancement of Conventional Geothermal Wells
11.50am	85: Baby Novelwin Ernestina A. Santos Paleoenvironment Reconstruction of the Gayong Sedimentary Formation, Bacman Geothermal Field, Philippines	33: Miss Kerin Brockbank The Ohaaki Deep Reservoir
12.10pm	Lunch	
	Session 6: Stream A Geology <i>Lecture Theatre 401</i>	Session 6: Stream B Production and Management <i>Breakout Theatre 403</i>
1.10pm	18: Dr Bridget Lynne Life at high altitude: A comparative study of high versus low altitude hot spring settings and associated sinter textures from El Tatio, Chile and the Taupo Volcanic Zone, New Zealand.	23: Mr Nigel Taylor Tuaropaki Miraka Clean Steam Supply Plant
1.30pm	31: Sarah Milicich Buried rhyolite in the Kawerau Geothermal Field, Taupo Volcanic Zone, New Zealand: sources of a rejuvenated geothermal system	82: Greg Moore Ngati Tuwharetoa Geothermal Assets Clean Steam Supply to SCAHygiene Australasia's Kawerau Tissue Mill
1.50pm	40: Dr Isabelle Chambefort Evidence for Magmatic Fluid Pulses into the Rotokawa Geothermal System.	75: Mr Andy Bloomer Kawerau Direct Heat Use: Historical Patterns and Recent Developments
	Session 7: Stream A Geology / Geothermal Engineering <i>Lecture Theatre 401</i>	Session 7: Stream B Reservoir Modelling <i>Breakout Theatre 403</i>
2.10pm	76: Mr Julian McDowell Updated Resource Assessment and 3-D Geological Model of the Mita Geothermal System, Guatemala	24: Dr. Hulya Sarak Future Performance Predictions by Lumped Parameter Models: A Field Application
2.30pm	55: Dr Andrew Rae The Application of Chlorite Geothermometry to Hydrothermally Altered Rotokawa Andesite, Rotokawa Geothermal Field	19: Mr Alvin Remoroza Modeling a Complete CO ₂ -EGS Power Generation Process
2.50pm	Afternoon Tea	
3.20pm	15: Thomas Powell Natural subsidence at the Rotokawa Geothermal Field and implications for permeability development	89: Jefferson Villacorte A Numerical Study of the Effects of Cold Water Injection on the Pressure Transient Response and Injection Capacity of Geothermal Wells
3.40pm	093: Edy Sudarmadi The Relation Between Injectivity and Productivity in Large Geothermal Wells.	46: Mr Ji Zhang Nonlinear Finite Element Modelling of Transient Geothermal Process in Porous Media with Liquid/Vapor Phase Change
4.00pm	094: Blair Woodhurst Silica Scaling in Heat Exchangers and the Impact on Pressure Drop and Performance: Wairakei Binary Plant.	42: Dr. Justin Pogacnik The Implementation and Numerical Analysis of Fully-Coupled Non-Isothermal Fluid Flow Through a Deformable Porous Medium
4.30pm	NZGA Annual General Meeting <i>Breakout Theatre 402</i>	
7.00pm	Workshop Dinner	

Wednesday 23 November 2011

8.50am	Housekeeping <i>Lecture Theatre 401</i>	
9.00am	Keynote 5: Yung Ngothai A Review of Current Experiment Fluid-Rock interaction in EGS reservoir	
	Session 8: Stream A Geochemistry <i>Lecture Theatre 401</i>	Session 8: Stream B Future Developments <i>Breakout Theatre 403</i>
9.40am	79: Yung Ngothai Preliminary Kinetic Study on Rock-Fluid Interaction of the Enhanced Geothermal Systems in Cooper Basin, South Australia	73: Ms Pri Utami Lahendong Geothermal Education Park: A Proposed Geothermal Public Education Facility in the Eastern Part of Indonesia
10.00am	58: Jeremy O'Brien Chemical Structure of the Ngatamariki Geothermal Field, Taupo Volcanic Zone, N.Z	78: Katherine Luketina Valuing Uses of Geothermal Resources in the Waikato Region
10.20am	Morning Tea	
	Session 9: Stream A Geochemistry <i>Lecture Theatre 401</i>	Session 9: Stream B Reservoir Modelling <i>Breakout Theatre 403</i>
10.50am	45: Mr Mark Harvey Results from a Soil Co2 Flux and Shallow Temperature Survey at the San Jacinto-Tizate Geothermal Power Project, Nicaragua	80: Dr Adrian Croucher PyTOUGH: a Python Scripting Library for Automating TOUGH2 Simulations
11.10am	21: Mr Jeffrey Winick The Natural-State Geochemistry of the Rotokawa Reservoir	88: Mike O'Sullivan Modelling the Evolution of a Mine Pit in a Geothermal Field at Lihir Island, Papua New Guinea
11.30am	77: Dr. Bruce Mountain Experimental Simulation of Fluid-Rock Interaction Using a Continuous Flow Hydrothermal Apparatus	91: Mr Angus Yeh Recent Experiences with Overcoming TOUGH2 Memory and Speed Limits
11.50am	12: Ed Mroczek Chemistry of the Rotorua Geothermal Field – Update of Spring and Well Compositions	70: Dr Tiangang Cui Parameter Estimation and Uncertainty Quantification of Geothermal Reservoir Models Using the Adaptive Delayed Acceptance Metropolis-Hastings Algorithm
12.10 pm	Lunch	
	NZGA Industry Update <i>Lecture Theatre 401</i>	
1.10pm	Mighty River Power	Spence McClintock
1.30pm	Contact Energy	Mike Dunstall
1.50pm	GNS Science	Brian Carey
2.10pm	The University of Auckland	Sadiq Zarrouk
2.30pm	New Zealand Geothermal Inc	Mike Allen, Chris Mulcare
2.50pm	Afternoon Tea	
	NZGA Industry Update <i>Lecture Theatre 401</i>	
3.20pm	Ngati Tuwharetoa Geothermal Assets	Pat Brown
3.37pm	Tuaropaki Power Company	Gina Rangi
3.54pm	Parsons Brinckerhoff	Chris Taylor
4.11pm	Sinclair Knight Merz	Claude Bannwarth
4.28pm	Hot Rock Ltd (including an update on Chile and Peru)	Peter Barnett
4.45pm	Waikato Regional Council	Katherine Luketina
5.02pm	Finish	