

Geothermal Downunder - Clean Energy From the Ground Up

The 2009 Australian Geothermal Energy Conference and Trade Show



The 2nd Annual Australian Geothermal Energy Conference is proudly presented by the [Australian Geothermal Energy Association](#) and the [Australian Geothermal Energy Group](#).

This is the official conference of the Australian geothermal industry, bringing together representatives of Australia's entire multidisciplinary geothermal community to address key science, technology, policy and commercial issues facing the commercial development of the industry.

About AGEA

AGEA is the national industry body representing the Australian Geothermal Energy Industry. Its membership comprises the major geothermal energy project developers, direct heat equipment suppliers and service providers to the industry.

AGEA's mission is to foster and accelerate the development and commercialisation of Australia's geothermal energy resources to achieve a vision of geothermal energy providing the lowest cost emissions-free renewable base load energy to Australian homes and businesses for centuries to come.

About AGEG

The Australian Geothermal Energy Group (AGEG), formed in 2006 to provide financial and intellectual support for Australia's membership in the [International Energy Agency's Geothermal Implementing Agreement](#) (IEA-GIA). The AGEG's 101 members include all Australian geothermal licence holders, service companies, government agencies responsible for investment attraction and licence regulation for the geothermal sector and research. The AGEG has formed 12 Technical Interest Groups (TIGs) to foster a coordinated approach to meet challenges in geothermal proof-of-concept, demonstration, development and deployment projects. All members of AGEA are also members of the AGEG. Primary Industries and Resources South Australia (PIRSA) provides the Secretariat for AGEG

Interview Opportunities

Dr Jörg Baumgärtner

Dr Baumgärtner is Non Executive Director of Green Rock Energy Limited. He is one of the World's leading experts on the development and production of geothermal energy from Enhanced Geothermal Systems (EGS) or Hot Rock geothermal. He is based in Germany and is the Chief Executive Officer of BESTEC Gmbh and BESTEC Drilling Gmbh companies actively involved in operating European geothermal power projects.

He is a member of both the Management and Supervisory boards of the Soultz Geothermal project in Soultz-sous-Forêts, the foremost EGS project in Europe. His experience extends to the use of micro-seismic technologies and use of chemical tracers to monitor the development of the fracture network in granites. He has had a principal role in establishing Germany's first commercial geothermal power plant. Dr Baumgärtner was a researcher at the German Continental Deep Drilling Program at the Institute of Geophysics at the Ruhr University in Bochum, Germany and carried out post doctorate research at Stanford University in Palo Alto, California and at Dowel Schlumberger Inc. at Tulsa, Oklahoma, USA. He holds a Diploma of Geophysics and a PhD.

Dr Graeme Beardsmore

After receiving his PhD from Monash University in 1996 for work on the thermal history of the Browse Basin, Graeme spent 18 months working with geothermal heat flow researchers in China and the United States. Returning to Australia in 1998, he took a research position at Monash University and spent the next two years researching and co-writing "Crustal heat flow: A guide to measurement and modelling" (2001; Cambridge University Press).

Graeme has worked in the Australian geothermal industry since 2003, first as a consultant to Scopenergy Limited, and in the past two years as Technical Director of Hot Dry Rocks Pty Ltd. He is a Board Member of the International Geothermal Association, a Senior Research Fellow at both Melbourne and Monash Universities, the editor of a monthly newsletter about Australian geothermal happenings, and an enthusiastic participant in AGEA and AGEG activities. Sometimes he sees his family.

Dr Anthony Budd

Dr Anthony Budd is Project Leader of the Geothermal Energy Project in the Onshore Energy and Minerals Division of Geoscience Australia.

Until recently Anthony's research interests were in granites and their relationship to mineralisation. He has a background in whole rock, mineral and isotope geochemistry, geochronology, fluid inclusions and ore genesis, and has also worked in relational databases and GIS. His previous work experience included two years working with WMC in nickel exploration in the Mt Keith area of Western Australia. Anthony has worked at Geoscience Australia for the past 14 years, and he established the new Geothermal Energy Project in 2006. His role is to provide precompetitive geoscience data in support of the geothermal industry, and to provide technical advice on policy to the Department of Resources, Energy and Tourism, and to inform the general public regarding Australia's geothermal energy potential.

Martin Ferguson A.M. MP

Martin Ferguson is the Member for Batman and Minister for Resources and Energy and Minister for Tourism. Martin Ferguson was first elected to the Federal Parliament in March 1996, and has served as a member of the Labor's front bench with responsibility for a number of different portfolios. Martin has also served on a number of Parliamentary Committees.

Prior to entering Parliament, Martin was the president of the Australian Council of Trade Unions (1990-96) and vice-president (1985-90). Before joining the ACTU he was the general secretary of the then Miscellaneous Workers' Union. Between 1990-96 Martin was a member of the governing body of the International Labor Organisation. He received an Order of Australia in June 1996 for his contribution to working people. Martin has

an Honours Degree in Economics from Sydney University. He is married and has two adult children. Martin and his family live in Melbourne.

Barry A. Goldstein

Barry has 33 years international experience in the energy sector. He is South Australia's Director for Petroleum and Geothermal (PIRSA), Chair of the Australian Geothermal Energy Group, Australia's representative to the IEA's Geothermal Implementation Agreement for geothermal, the AAPG's Asia-Pacific Councillor - Energy & Minerals and on the Board of the Australian School of Petroleum (University of Adelaide).

Barry was Chief Geologist with Santos (1996 – 2001), Bridge Oil Ltd (1987 – 1995), and the Kuwait Foreign Petroleum Company (1982-86) after starting his career with Phillips Petroleum (1976 – 1981) and has wide experience in petroleum exploration, development and M&A in Australia, Indonesia, PNG, the USA, the North Sea and South America. He holds Geology degrees from the University of New York (Bachelors-75) and the Uni. of Missouri (Masters-77).

Barry is a past President of PESA and has served on the Boards the Australian Geoscience Council (2004-2007), and the Federation of Australian Scientific and Technologic Societies (2004-2007). In recognition of his work for the betterment of geoscience, Barry received the AAPG's Distinguished Service Award in April 2008. Last, Barry thinks he has a sense of humour.

Professor Hal Gurgenci

Hal is the Director of the newly formed Queensland Geothermal Energy Centre of Excellence, and is a Professor of Mechanical Engineering at the University of Queensland with many years of industry and academic experience in solar energy, manufacturing and mining. His current research interests include energy systems analysis, flow and heat transfer through porous media and thermal power systems.

The Queensland Geothermal Energy Centre of Excellence is working in the areas of power conversion, heat exchangers, long distance electricity transmission, reservoir management, with a special focus on the CO₂ geothermal siphon as a novel way of geothermal energy utilisation. The main source of funding for the Centre is a \$15m grant by the Queensland State Government. More information can be found on the Centre web site: <http://www.uq.edu.au/geothermal>.

Stephen Hickman

Stephen Hickman is a research geophysicist with the U.S. Geological Survey's Earthquake Hazards Team in Menlo Park, California. He received a PhD in solid-earth geophysics from the Massachusetts Institute of Technology in 1989. His research interests include: 1) borehole studies of the interaction between stress, fracturing and fluid flow in high-temperature geothermal systems, 2) the physics and chemistry of faulting and earthquake generation, using borehole measurements, sampling and monitoring in active faults, and 3) laboratory studies of the chemical effects of fluids on rock deformation and physical properties at high temperatures.

He has led or participated in numerous scientific drilling projects in the United States and abroad, including geomechanics investigations of active geothermal fields at Dixie Valley, Nevada; Coso, California; and Desert Peak, Nevada. He is co-principal investigator on the San Andreas Fault Observatory at Depth and Chair of the Science Advisory Group for the International Continental Scientific Drilling Program.

Susan Jeanes

Susan Jeanes is the founding Chief Executive of the Australian Geothermal Energy Association (AGEA) the national body representing the Australian geothermal energy industry. Susan is also Managing Director of new energy directions.

Susan has previously worked in the political arena, serving in the Federal Parliament as the Member for Kingston (SA) and working as an Advisor to the former Environment and Heritage Minister Robert Hill on climate change and energy policy. She has also worked for a number of shadow ministers in various portfolio areas

prior to the election of the Howard Government in 1996. Susan also held the position of Chief Executive of the Renewable Energy Generators of Australia (REGA) until October 2007. Susan has tertiary qualifications in the areas of Australian politics, political theory and environmentalism and she produces occasional columns as a political commentator. She is also a Director of the Climate Institute and a member of the CSIRO's Energy and Transport Advisory Council.

Brendan Morling

Brendan Morling is Head of the Energy and Environment Division within the Department of Resources, Energy and Tourism. He has been in this position for over a year and prior to that was General Manager of the National Energy Market Branch. As well as energy market issues, the Division has responsibility for renewable energy technology, industrial energy efficiency, energy security and consideration of climate change issues with a particular interest in stakeholder industries.

Brendan has 20 years of experience in various roles within the Australian Public Service: including 10 years with Treasury and eight years with the Industry Department.

Professor Klaus Regenauer-Lieb

The Western Australian Premier's Research Fellow Professor Klaus Regenauer-Lieb is the founder of the new WA Geothermal Centre of Excellence in Perth (2007). Previously he co-founded the Institute for Geothermal Resource Management in Mainz/Bingen, Germany (2004).

He has 16 years of postdoctoral research and training in international research organisations including: Professor in Earth & Geographical Sciences, The University of Western Australia, Perth (2006-present); Professor of Geophysics and Geodynamics, Johannes Gutenberg University, Mainz (2004-2007); Research Scientist CSIRO Exploration and Mining CRC, Perth (2003-2004); Assistant Professor, Institute of Geophysics, ETH Zürich (1999-2003); Research Scientist, Minnesota Supercomputer Institute, University of Minnesota, Minneapolis (1998-1999); Habilitation Fellow of the German Research Council DFG, Geothermal Institute, Auckland (1995-1998), Graduate School Coordinator, Institute for Marine Geosciences GEOMAR, Kiel (1992-1995).

He obtained a PhD at the Geothermal Institute in Auckland NZ (1992) leading to the awarding of a Mitsubishi Fellowship. Klaus has published numerous contributions in prestigious journals including *Nature* and *Science* delivering breakthroughs in computational geodynamics applied to the link between Earth's heat, chemistry and mechanical behaviour.

Stephen Robertson MP

Stephen Robertson is Queensland's Minister for Natural Resources, Mines and Energy, Minister for Trade and the State Member for Stretton. Mr Robertson was first elected to the Queensland Parliament in September 1992 as the Member for the Brisbane electorate of Sunnybank (now Stretton). He served as Secretary of the Parliamentary Labor Party from August 1995 to June 1998.

In June 1998, he was appointed Parliamentary Secretary to the Deputy Premier and chaired the Queensland Small Business Advisory Council, as well as being a member of the Queensland Innovation Council and the Deputy Premier's Representative on the Queensland Food Industry Council. He was first appointed to the Beattie Ministry on December 16, 1999, as Minister for Emergency Services.

He was sworn in as Minister for Natural Resources and Minister for Mines on February 22, 2001, as Minister for Natural Resources, Mines and Energy on February 12, 2004 and as Minister for Health on July 28, 2005. He was sworn in as Minister for Natural Resources, Mines and Energy and Minister for Trade on March 26, 2009. Mr Robertson was born in Aberdeen, Scotland on 14 February, 1962. He has a Bachelor of Arts from Griffith University, graduating with Honours from the School of Modern Asian Studies. Prior to his election to Queensland Parliament, Mr Robertson was State Secretary and National President of the United Firefighters Union of Australia. He has been a member of the Australian Labor Party since 1978.



2009 Australian Geothermal Energy Conference

Geothermal Downunder - Clean Energy from the Ground Up



10-13 November 2009

Hilton Hotel, Brisbane, Australia

www.ausgeothermal.com



Contact

To arrange an interview with any of the speakers or register for a media pass, please contact:

Alex Harris

alex@masterstroke.com.au

Tel: (02) 9231 7650

Mob: 0412 635 274

To register to attend the conference as a delegate, please download the conference registration document:

<http://www.impactenviro.com.au/ausgeothermal/registration.asp>

Platinum Sponsor



Weatherford
DRILLING INTERNATIONAL

Gold Sponsors



Silver Sponsors



Bronze Sponsors

