

Geothermal Institute University of Auckland

Prof. Rosalind Archer

Director – Geothermal Institute
Mercury Chair in Geothermal Reservoir Engineering



ENGINEERING



**GEOHERMAL
INSTITUTE**

Portfolio of activity including from fundamental geoscience through to reservoir engineering, above ground technology and energy markets.

- “Supermodels” project jointly with GNS, and funded by MBIE. Developing new generation open-source geothermal modelling code for release in 2017.
- Non-condensable gas injection / fluid-rock interaction.
- Part of HERA’s AGGAT program.
- Inverse modelling and uncertainty.



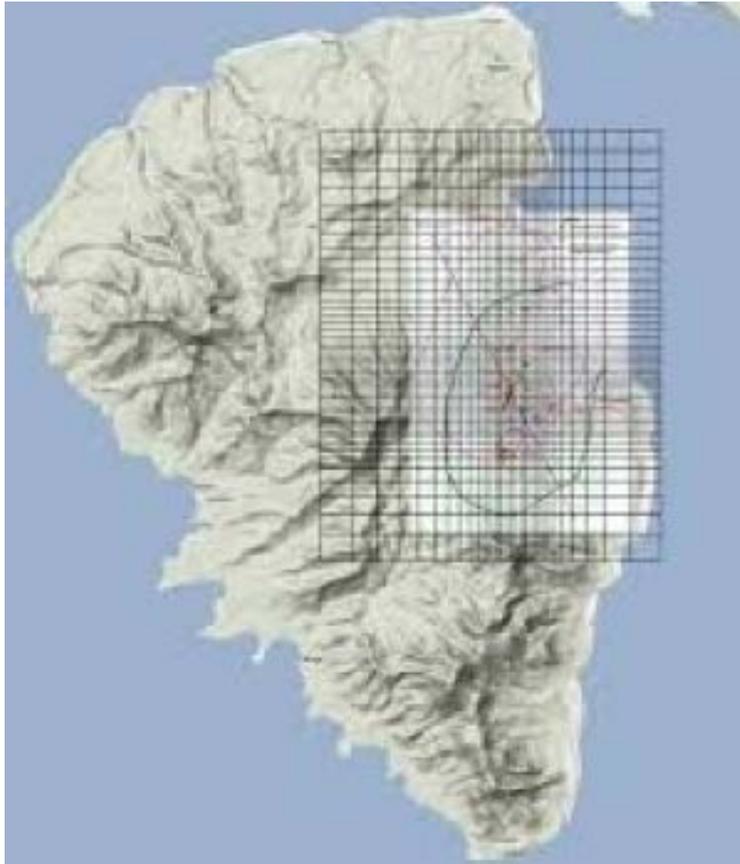
Consulting

The Geothermal Institute team love to solve problems!

We work on reservoir modelling, geoscience and engineering projects around the world.

Example: Lihir, Papua New Guinea

Interaction of a geothermal system with a mining operation.



- ½ year Postgraduate Certificate Program
 - Geoscience and Engineering components
 - Guest lecturers from NZ industry and Gadjamada University
 - Field trips
 - Short research project
- 1 year Master of Energy (or ½ year after PGCert courses)
 - Additional content from business school (energy markets, policy, regulation etc.)
 - Larger research project

Scholarships



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The NZ Ministry of Foreign Affairs prioritises renewable energy in the scholarships provided in the NZ Aid program.

<http://www.aid.govt.nz/funding-and-contracts/scholarships/eligible-countriesregions>

- Indonesia
- Phillipines
- Mexico
- Kenya
- Carribean

... and beyond!

Examples

- “Geothermal 101” (one day)
- Reservoir engineering/modelling
- Geoscience

Customised to client needs, and delivered in NZ or overseas.

Training (MFAT supported)

- Working with MB Century to deliver a drilling short course in Indonesia in the first half of 2017.
- Will bring a group of Indonesian geothermal professionals to NZ for an approx. 4 week project management course in Auckland. Partners – Business School, Jacobs, Jim Lawless
- Similar project management course being scoped for work on other renewables in ASEAN countries.

Deloitte Energy Engineer of the Year

Rosalind Archer named
in 2016 as the inaugural
Deloitte Energy
Engineer of the Year.

= Recognition for the
whole organisation at
the Geothermal Institute



Thanks - Sponsorship

GNS Science

MB Century

Energy and Industrial Group

Western Energy Services

NZ Geothermal Association

Mercury (catering sponsor)

Contact (catering sponsor)

Thanks - Mercury

I'd like to acknowledge Mercury's support of my Professorial Chair.



Contact



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Check out www.geothermal.auckland.ac.nz

Follow us on Twitter @Geothermal_Inst

A screenshot of the Geothermal Institute website. The header includes the University of Auckland logo and a search bar. A navigation menu on the left lists: About us, Our research, Our people, Courses & training, Industry services, and News & events. The main content area features a large image of industrial pipes and the heading "Welcome to the Geothermal Institute". Below this, a paragraph states: "As one of the premier geothermal research and training centres in the world, the Geothermal Institute has been providing research and development, testing and laboratory services, commercial and consultancy services, as well as education and training for the New Zealand and international geothermal industries, since 1978." At the bottom, there is a section for "Upcoming Events" and "Our research".

THE UNIVERSITY OF AUCKLAND
Te Whare Wananga o Tamaki Makaurau
NEW ZEALAND

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University home > Geothermal Institute

GEOTHERMAL INSTITUTE

- About us
- Our research
- Our people
- Courses & training
- Industry services
- News & events

Welcome to the Geothermal Institute

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Upcoming Events

Our research
Research is central to our activities. We apply our research



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GEO THERMAL
I N S T I T U T E

Rosalind Archer – r.archer@auckland.ac.nz (Director)

Andrea Ross – as.ross@auckland.ac.nz (Manager)