



### IN THIS ISSUE

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- UPCOMING EVENTS
- IGSHPA TRAINING COURSES - MELBOURNE
- GHANZ WEBSITE
- GHANZ STRATEGIC ACTION PLAN
- AUSTRALIA / NEW ZEALAND GEOTHERMAL HEAT PUMP STANDARD
- CANADIAN STANDARD - DESIGN AND INSTALLATION OF EARTH ENERGY SYSTEMS
- GEOTHERMAL HEAT PUMP GUIDE
- 2014 EECA AWARDS

### UPCOMING EVENTS

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I am pleased you have opened this 4th GHANZ Newsletter. You will find interesting information and opportunities coming up in November with a visit from Ed Lohrenz from GeoXergy, Winnepeg, Canada. Ed will be in Melbourne delivering an IGSHPA training course (further information provided on this below) and with the support of EECA and GNS Science, we are able to bring him to New Zealand to share his knowledge.



Ed has over 30 years experience in the geothermal industry working on geothermal heat pump projects. He has worked across Canada, the U.S. and internationally. He has expertise in training on geothermal heat pump design, specification and installation. Ed has developed training materials and run courses for the International Ground Source Heat Pump Association (IGSHPA) and the Canadian

GeoExchange Coalition (CGC) conducting workshops in 5 countries. He pioneered the integration of ice rink refrigeration and ice storage systems with heat pumps and ground heat exchangers.

Details on the two seminars and opportunities to meet Ed are detailed below.

#### Christchurch Event - 18 November, 2013

Sponsored by EECA and GNS Science and in association with GHANZ, Ed Lohrenz will present at a public seminar in Christchurch on 18 November. In addition to his talks, there will be opportunities for one-on-one discussions by appointment. Further details on the event will be advised shortly – mark the date in your calendars.

#### Rotorua Event 35th New Zealand Geothermal Workshop 20 November, 2013

Ed Lohrenz is a keynote speaker at the 35th New Zealand Geothermal Workshop. He will keynote the Direct Use session commencing at 9 am on 20th November. The Workshop runs over 3 days and is an excellent opportunity for networking and professional development.

Venue – Rotorua Convention Centre

Register - <http://www.gns.cri.nz/iags/registration.html>

### IGSHPA TRAINING COURSES - MELBOURNE

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The University of Melbourne and the State of Victoria have organised two IGSHPA training courses to be delivered in Melbourne:

- Course 1- Accredited Installer Workshop  
6-8 November, 2013
- Course 2 – Certified GeoExchange Designers Course  
11-14 November, 2013

The course is open to New Zealanders. Details on these courses can be found on the IGSHPA website at [www.igshpa.okstate.edu](http://www.igshpa.okstate.edu).

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## IGSHPA TRAINING COURSES - MELBOURNE - cont:

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To register:

[www.commercial.unimelb.edu.au/geoexchangedesign/](http://www.commercial.unimelb.edu.au/geoexchangedesign/)

## GHANZ WEBSITE

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The GHANZ website now has a members only area. GHANZ members have individually been assigned access details. We encourage you to use the area. To access it, go to the GHANZ home page at [www.ghanz.org.nz](http://www.ghanz.org.nz), open the GHANZ Members tab and login on the right hand side.

The minutes of the last GHANZ meeting on the 18th April 2013 are in the web area.

We welcome your feedback on the members only area – if there is content or functionally you would like to see added, please email [info@ghanz.org.nz](mailto:info@ghanz.org.nz).

## GHANZ STRATEGIC ACTION PLAN

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Coming out of the 18th April GHANZ meeting was a thrust to develop strategic direction.

I am pleased to introduce the members of the team who have volunteered to draft up a five year strategic action plan being: Rick Smith, Simon Bendall, John Walker, Zeb Etheridge, Cargill Henderson and Brian Carey with support from Tania Hood from EECA. I want to thank the team for taking this task on.

Your input to the strategic action plan is valued and the team would be pleased to hear your thoughts and ideas.

Please feel free to email: [info@ghanz.org.nz](mailto:info@ghanz.org.nz) with feedback or make your ideas known to one of the team. We expect to release the draft plan for GHANZ member comments by mid-November.

## AUSTRALIA / NEW ZEALAND GEOTHERMAL (GROUND SOURCE) HEAT PUMP STANDARD

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Disappointing news came through recently advising that the development of the joint standard has been cancelled. Lyall Smith from Central Heating NZ has been the GHANZ representative and I wish to thank Lyall for his work for us on this to date. I think Lyall suspected that something of this nature was in the wind because the amount of activity had dropped to almost nil over the last six or so months.

## CANADIAN STANDARDS ASSOCIATION - C448 SERIES-13 DESIGN AND INSTALLATION OF EARTH ENERGY SYSTEMS

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The Canadian Standards Association have recently released the 2013 edition of C448, which is the design and installation standard for ground source heat pumps.

For more information visit :

<http://shop.csa.ca/search?q=c448&categories=shop>.

The Canadians have also launched a project to develop C448 as a bi-national standard with the US.

## GEOTHERMAL HEAT PUMP GUIDE

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There has been a substantial amount of work gone into an introductory guide for Geothermal Heat Pumps in New Zealand. The reference for the document is EECA and GNS (2013) Geothermal Heat Pumps in New Zealand: An Introductory Technical Guide. ISBN 978-1-972192-44-3. The guide is in the final stages of publication and when available will be downloadable from the EECA website.

The guide will officially be launched at the November Christchurch event.



## 2014 EECA AWARDS

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The next EECA Awards, the biennial celebration of excellence and innovation in energy efficiency and renewable energy, will be held in May 2014. Entries open in November and are invited across a number of categories including Large Business, Public Sector, Renewable Energy, Innovation, and Community.

A geothermal project that won at the 2012 EECA Awards was the Alpin Motel & Conference Centre for its down hole heat exchanger which uses geothermal energy to provide space and water heating to the 40 apartment complex. The system replaced three natural gas boilers and saved the business \$28,000 a year, boosting its competitive edge in the tourism industry.

"Wouldn't it be great to have a geothermal heat pump installation receive an award in 2014. Suggest that you look over your portfolio of installations and find out what you need to do to get one of them written up for nomination and consideration.

Further information will be on EECA's website shortly

## SEE YOU THERE

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Be great to see you at either the Christchurch or Rotorua event in November – book them out in your calendar now and book your travel.

**Brian Carey**