

# Geothermal Heat Pumps

## Hyperlinked Programme



October 19<sup>th</sup> 2014

10 am to 5 pm

Fukushima Renewable Energy  
Institute, AIST (FREA)

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*«Current issues and innovation on GSHP application in Asia and Pacific region»*



# Morning Session

Opening: [Brian Carey](#) and Kasumi Yasukawa (10:00-10:15)

Country updates (10:15-12:30) Chair: Yoonho Song

- Masakatsu [SASADA](#) (Chairman, Geo-HP Association Japan)  
*Current trend in ground source heat pumps in Japan*
- Rudolf [MINDER](#) (Swiss Federal Office of Energy)  
*Innovative GSHP Applications in Switzerland*
- Brian [CAREY](#) (GNS Science)  
*Geothermal Heat Pumps in New Zealand*
- Ian [JOHNSTON](#) (Melbourne School of Engineering, Australia),  
*An update - [Geothermal Heat Pumps in Australia](#) 2014*  
presented by Brian Carey

# Afternoon Session



## Technical challenges and cooling

- Hikari [FUJII](#) (Akita University)  
*New technologies on TRT and borehole heat exchange system*
- Yoonho [SONG](#) (KIGAM)  
*Estimating energy production with GSHP – its importance in geothermal direct-use statistics*
- Gaurav [SHRESTHA](#) and Dr. Youhei UCHIDA (AIST)  
*GSHP studies under CCOP groundwater project*
- Isao [TAKASHIMA](#) (Akita University)  
*Feasibility study on GHP systems in tropical Asia from the experimental data of Thailand and Indonesia*