

**IEA Geothermal Annex VIII, Task A & AIST**

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

**Program**

***Opening: Brian Carey and Kasumi Yasukawa (10:00-10:15)***

***Morning session: 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), presented by Brian Carey  
*An update - Geothermal Heat Pumps in Australia 2014*

Short discussion (12:15-12:30)

***Lunch: 12:30-14:00*** (will be provided by FREA)

***Afternoon session: Technical challenges and cooling (14:00-17:00) Chair: Katharina Link***

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*

*Coffee break (15:00-15:30)*

Shrestha GAURAV 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*

Panel discussion (16:30-17:00)

***Adjournment (17:00)***



*Annex VIII - Task A  
and FREA/AIST*



**October 19<sup>th</sup> 2014  
10 am to 5 pm  
Fukushima Renewable  
Energy Institute, AIST  
(FREA)**

***Seminar on:  
«Current issues and innovation on GSHP  
application in Asia and Pacific region»  
including final panel discussion***