



工業技術研究院

Industrial Technology
Research Institute



各位先進、朋友 大家好!

大屯火山為我國最具地熱開發潛能區域之一，但因火山型地熱流體常有酸性腐蝕問題而阻礙開發，為加速我國對火山型地熱系統之開發，在經濟部能源局指導下，工業技術研究院與紐西蘭 GNS Science 地熱研究中心合作，預定於 2017 年 5 月 15~16 日辦理「2017 火山型地熱系統國際研討會」，特別邀請來自日本、菲律賓、印尼及紐西蘭等國之國際級地熱專家學者與會，進行酸性地熱系統開發的技術與經驗交流，期盼透過此次研討會瞭解各國對酸性地熱田開發的挑戰與因應對策，以加速我國火山型地熱發電的腳步。

會議主題包括：

1. 火山型地熱系統概念模式
2. 酸性地熱儲集層鑽井策略與材料選擇
3. 大屯山地熱概念模式與鑽井初探成果
4. 日本、菲律賓、印尼火山型地熱國際案例分享

敬請 踴躍上網報名參加並協助廣為周知。

會議資訊： 官方網址 <http://www.taiwan-start2steam.tw>

時間：2017 年 5 月 15 日~2017 年 5 月 16 日(星期一~二)

地點：集思台大會議中心-米開朗基羅廳

(台北市羅斯福路 4 段 85 號 B1)



會議議程

DAY 1: Monday 15 May 2017

Acid Volcanic Geothermal Systems		
Time	Agenda	Speakers
08:00-08:45	Registration	
08:45-09:00	Opening Remarks	BOE and ITRI
Session 1: Acid Volcanic Geothermal Systems		
09:00-09:40	Introduction to the Benefits of Geothermal Power Production	Chris Bromley/ GNS Science, NZ
09:40-10:10	What's Required for Successful Geothermal Development	Chris Bromley/ GNS Science, NZ
10:10-10:30	Panel Discussion	BOE, ITRI, GNS
10:30-10:50	Morning Tea Break	
10:50-11:30	Introduction to Acid Volcanic Geothermal Systems	Andrew Rae/ GNS Science, NZ
11:30-12:10	Conceptual Models of Acid Volcanic Geothermal Systems	Andrew Rae/ GNS Science, NZ
12:10-13:10	Lunch	
Session 2: Tatun Volcano Geothermal System		
13:10-13:30	Panel Discussion	All Speakers
13:30-14:10	Introduction to Recent Activities of TVO	Cheng-Hong Lin/ TVO, Taiwan
14:10-14:50	Geology of Tatun Volcano and the Characteristics and Origins of its Hot Springs, Taiwan	Sheng-Rong Song/ NTU, Taiwan
14:50-15:10	Afternoon Tea Break	
15:10-15:50	Geothermal Conceptual Model for Tatun	Tai-Rong Guo/ ITRI, Taiwan
15:50-16:30	Tatun Exploration and Results of Recent Drilling to date	Chih-Hsi Liu/ ITRI, Taiwan
16:30-17:00	Panel Discussion	Section Speakers
17:00	Close	

DAY 2: Tuesday 16 May 2017**Acid Volcanic Geothermal Systems: Western Pacific Case Studies**

Time	Agenda	Speakers
09:00-09:10	Introduction	
09:10-09:50	Geothermal Well Drilling in Aggressive Formation Conditions	Hagen Hole/ Geothermal Consultants NZ Ltd
09:50-10:30	Materials Selection Technologies for Acidic Geothermal Energy Projects	Keith Lichti/ Quest Integrity NZ Ltd
10:30-10:50	Morning tea break	
10:50-11:30	High-temperature Acid Volcanic Geothermal Systems: Indonesian Experience	Pri Utami/ Gadjah Mada Univ., Indonesia
11:30-12:10	Acid fluids in the Otake and Hatchobaru Geothermal Fields in Kuju Volcanic Area, Japan	Sachihiro Taguchi/ Fukuoka Univ., Japan
12:10-13:30	Lunch	
13:30-14:10	Acid Geothermal Fluid Utilization in Hatchobaru and Other Fields in Japan	Koji Matsuda/ West JEC, Japan
14:10-14:50	Acid Geothermal Systems in the Philippines	Joeffrey Caranto/ EDC, Philippines
14:50-15:10	Afternoon tea break	
15:10-15:50	History of Geothermal Development in New Zealand	Chris Bromley/ GNS Science, NZ
15:50-16:30	Key Messages for Taiwan	Andrew Rae/ GNS Science, NZ
16:30-17:00	Panel Discussion	All Speakers
17:00	Close	