

Program of the 11th Asian Geothermal Symposium (AGS11)

Friday, 18 November				
8:30 - 9:00 REGISTRATION				
Time	Presenter	Country or Region	Affiliation	Paper title
9:00 - 9:30 Opening Notes Chair: Toshihiro Uchida				
9:00 - 9:15	Shinsuke Nakao	Japan	GREEN/AIST, Director	Opening Note
9:15 - 9:30	TBA	Thailand	Department of Groundwater Resources	Opening Note
9:30 - 10:10 Geochemical Aspects Chair: Toshihiro Uchida (continue)				
9:30 - 9:50	Huei-Fen Chen	Taiwan, China	National Taiwan Ocean University	Estimation of the preferred geothermometer for Taiwan's predominantly slate geothermal reservoirs of the Chingshui region, Taiwan
9:50 - 10:10	Kasumi Yasukawa	Japan	AIST	Hydrological and thermal relationship between geothermal reservoir and nearby aquifer identified by geochemical characteristic of the aquifer
10:10 - 10:40 BREAK				
10:40 - 12:00 Geothermal Structure : Exploration and Evaluation Chair: Greg Bignall				
10:40 - 11:00	Zihui Chen	China	China Institute of Geo-Environment Monitoring	Discovering blind geothermal resources by exploring buried fault - A case study for geothermal drilling in Mukeng, China
11:00 - 11:20	Hideaki Hase	Japan	GERD	Utilization of magnetotelluric data for evaluation of geothermal reservoir condition associated with EGS water injection in Japan
11:20 - 11:40	Nazli Ismail	Indonesia	Syiah Kuala University	Interpretation of gravity and magnetic data to delineate local fault structures in Bur Ni Geureudong geothermal field, Aceh Province, Indonesia
11:40 - 12:00	Keiichi Sakaguchi	Japan	AIST	Caldera collapse structure, its importance in understanding geothermal systems
12:00 - 13:20 LUNCH				
13:20 - 15:40 Mid-Low Temperature Systems and Direct use Chair: Tae Jong Lee				
13:20 - 13:40	Edwin H. Alcober	Philippines	EDC	Development of low enthalpy power generation system for the existing wells (MO2/MO4R) at the Manito Lowlands, Bacman geothermal business unit
13:40 - 14:00	Agnes G. Reyes	New Zealand	GNS-Science	Heat sources in low-enthalpy geothermal systems, New Zealand
14:00 - 14:20	Jiri Muller	Norway	Institute for Energy Technology	Geothermal Energy in Norway
14:20 - 14:40	Shrestha Gaurav	Japan	AIST	Development of ground-source heat pump system using a flowing well
14:40 - 14:50 Group photo (picture taking)				
14:50 - 15:20 BREAK				
15:20 - 16:40 Resources in Thailand Chair: Kriagnsak Pirarai				
15:20 - 15:40	Bundarik Borisut	Thailand	Department of Groundwater Resources	Geothermal exploration in Pai, Maehongson, Thailand
15:40 - 16:00	Helmut Duerrast	Thailand	Prince of Songkla University	Potential of the geothermal system in Phang Nga, Southern Thailand
16:00 - 16:20	Spencer H. Wood	USA	Boise State University	Fang Hot Springs geothermal area, Chiang Mai Province, Northern Thailand - Geological and Geophysical Exploration in 2014-2015
16:20 - 16:40	Weerachai Siripunvaraporn	Thailand	Mahidol University	Imaging the Fang geothermal system with a 3-D magnetotelluric technique
16:40 - 17:00 International Activities Chair: Kriagnsak Pirarai (Continue)				
16:40 - 17:00	Lothar Wissing	Germany	Forschungszentrum Jülich GmbH	IEA Geothermal –Participant of the Technology Collaboration Programmes of the International Energy Agency
Allday Poster Session				
	Hideaki Hase	Japan	GERD	Recent geothermal research and development techniques for evaluation of geothermal reservoir in Japan
18:00 - 20:00 Banquet by KIGAM				

Saturday, 19 November

Bus trip to Fang geothermal power plant (time schedule TBA)

Sunday, 20 November

8:30 - 9:00 REGISTRATION

Time	Presenter	Country or Region	Affiliation	Paper title
9:00 - 10:20		Resources Assessments		Chair: Norio Yanagisawa
9:00 - 9:20	Sheng-Rong Song	Taiwan, China	National Taiwan University	The Geothermal Potential, Current and Opportunity in Taiwan
9:20 - 9:40	Shou-Cheng Wang	Taiwan, China	National Taiwan Ocean Univ.	Current geothermal development projects in Taiwan
9:40 - 10:00	Nasution Asnawir	Indonesia	Faculty of Earth Science and Technology, ITB	The Ulumbu Geothermal Development, West Flores, Eastern Indonesia
10:00 - 10:20	Bor-Shouh Huang	Taiwan, China	Institute of Earth Sciences, Academia Sinica	Seismic evaluations for the deep heat source and earthquake risk of geothermal power plant construction at Ilan, Taiwan
10:20 - 10:50 BREAK				
10:50 - 11:50		New concepts and method		Chair: Vicente Clemente
10:50 - 11:10	Takuya Ishibashi	Japan	AIST	Permeability change of rock fractures estimated from the scale of microearthquakes in geothermal reservoirs
11:10 - 11:30	Roland Horne	USA	Stanford University	Uniquely identifiable DNA-embedded silica nanotracer for fractured reservoir characterization
11:30 - 11:50	Greg Bignall	New Zealand	GNS	Proposed methodology for assessment and ranking of geothermal systems
11:50 - 13:10 LUNCH				
13:10 - 14:20		Special session: Opportunities and Barriers 1		Chair: Kasumi Yasukawa
13:10 - 13:20	Toshihiro Uchida	Japan	AIST	Introduction of ERIA project and purpose of this session
13:20 - 13:40	Vicente Clemente	Philippines	EDC	Country update on geothermal utilization and barriers affecting its growth -Philippines
13:40 - 14:00	Arif Munandar	Indonesia	GA	Indonesia's geothermal energy: recent conditions and development challenges
14:00 - 14:20	Norio Yanagisawa	Japan	AIST	Country update and barriers of geothermal power generation in Japan
14:20 - 14:40	Keyan Zheng	China	Geothermal Council of China Energy Society	Geothermal power generation in China - Country update
14:40 - 15:10 BREAK				
15:10 - 16:20		Special session: Opportunities and Barriers 2		Chair: Yoonho Song
15:10 - 15:30	Tae Jong Lee	Korea	KIGAM	Barriers of geothermal power generation in Korea and possible solutions
15:30 - 15:55	Tran Trong Thang	Vietnam	VIGMR	Thermal fluid characteristics of geothermal prospects in the North Central Vietnam and their potential for power generation
15:55 - 16:20	Kriangsak Pirarai	Thailand	DGR	Current geothermal development situation in Thailand
16:20 - 16:45	Fredolin Javino	Malaysia	Minerals & Geoscience Department Malaysia	Geothermal explorations in young volcanic rocks in Tawau, Sabah, Malaysia
16:45 - 16:50	Short break to collect questionnaire			
16:50 - 17:00		Closing Note		Chair: Yoonho Song (continue)
16:50 - 17:00	Shigeru Niki	Japan	RENRC/AIST Director	Closing note
17:00 Adjournment				

17:20 - 17:50 IGA-AWPRB General Annual Meeting 2016 IGA members in the region only (chair: K. Yasukawa)