

**Schedule of Geophysics 2010 Conference**  
**11-13 November 2010**  
**At Club Andaman Beach Resort, Phuket, Thailand**

<b>11 November 2010</b>			
<b>Time</b>	<b>Andaman Ballroom (Hall 1)</b>		
08:00 - 09:00	Registration		
09:00 - 09:30	Opening ceremony and official welcome to conference		
09:30 - 10:10	<p><b>Keynote Speaker 1:</b></p> <p>Role of geophysics in geological storage of CO<sub>2</sub> as a means of reducing greenhouse gas emissions, an example from the CO<sub>2</sub>SINK project, Germany</p> <p><i>Chistopher Juhlin</i></p>		
10:10 - 10:30	<i>Tea/Coffee Break</i>		
	<b>Oral Presentation</b> (Presentation+Discussion 15 min.)		
10:30 - 12:00	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>Hall 1</b> – 5 topics <b>Chairs:</b> <i>N.N.</i></p> <p>-Groundwater contamination by acid rain in two areas having different textured soils <i>Rab Nawaz, Hathairatana Garivait, Ghaffar Ali, Muhammad Arshad, Somchai Aremsumang</i></p> <p>-Application of combined magnetic resonance and resistivity soundings for boreholes setting and groundwater resource estimate</p> </td> <td style="width: 50%; vertical-align: top;"> <p><b>Hall 2</b> – 5 topics <b>Chairs:</b> <i>N.N.</i></p> <p>-Northern Thailand Geophysics Field Camp: Overview of Activities <i>Lee M. Liberty, Spencer H. Wood, Emily A. Hinz, Dylan Mikesell, Fongsaward Singharajawarapan, Jeffrey Shragge</i></p> <p>-Multichannel Analysis of Surface Wave – An Application to Diagnose Dam Bodies <i>Noppadol Poomvises, Anchalee Kongsuk, Lee Liberty, Dylan</i></p> </td> </tr> </table>	<p><b>Hall 1</b> – 5 topics <b>Chairs:</b> <i>N.N.</i></p> <p>-Groundwater contamination by acid rain in two areas having different textured soils <i>Rab Nawaz, Hathairatana Garivait, Ghaffar Ali, Muhammad Arshad, Somchai Aremsumang</i></p> <p>-Application of combined magnetic resonance and resistivity soundings for boreholes setting and groundwater resource estimate</p>	<p><b>Hall 2</b> – 5 topics <b>Chairs:</b> <i>N.N.</i></p> <p>-Northern Thailand Geophysics Field Camp: Overview of Activities <i>Lee M. Liberty, Spencer H. Wood, Emily A. Hinz, Dylan Mikesell, Fongsaward Singharajawarapan, Jeffrey Shragge</i></p> <p>-Multichannel Analysis of Surface Wave – An Application to Diagnose Dam Bodies <i>Noppadol Poomvises, Anchalee Kongsuk, Lee Liberty, Dylan</i></p>
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	<p>in Northern Cambodia <i>Jean-Michel Vouillamoz, Laurent Anstett, Ludovic Arnout</i></p> <p>- Cavity Detection with 2D DC Resistivity in Karst Terrain <i>Ananya Satitpittakul, Patchawee Nualkhow, Chatchai Vachiratienchai, Puwis Amatyakul, Songkhun Boonchaisuk, Suntaree Unhapipat, Tawat Rung-Arunwan and Weerachai Siripunvaraporn</i></p> <p>-Delineation of fresh-salt water interface using MRS and VES <i>Nils Perttu, Kamhaeng Wattanasen, Sten-Åke Elming</i></p> <p>-Groundwater Pollution Modeling For a Waste Deposit in Çanakkale <i>G. Didem Beşkardeş, Emin U. Uluggerli</i></p>	<p><i>Mikesell, Ananya Satitpittakul</i></p> <p>-Integrated Geophysical Surveys for Landslide Application in Kanchanaburi Province, Western Thailand <i>Prinya Putthapiban, Bunlur Emaruchi, Passakorn Pananont</i></p> <p>-Integrated Geophysical Study of Salt Dome Geometry at Pung Kor District, Sakonnakorn Province <i>Kachentra Neawsuparp, Wanwisa Boonsungnoen, Titiworada Insri, Nuchit Siritongkum</i></p> <p>-Permeability and Mechanical Properties of Glass Concrete <i>Md. Harunur Rashid, S.M. Kamal Uddin, Shatira Nuzhat Nishat</i></p>
12:00 - 13:30	<i>Lunch Break</i>	
13:30 - 14:10	<p><b>Keynote Speaker 2:</b></p> <p>Bringing together- Energy Resources, Petroleum Exploration, Environment and the people</p> <p><i>Suparerk Sitahirun</i></p>	
	<p><b>Oral Presentation</b> (Presentation+Discussion 15 min.)</p>	
14:10 - 15:00	<p><b>Hall 1</b> – 3 topics <b>Chairs:</b> <i>N.N.</i></p> <p>-Study on Gypsum Ore Deposit and Contaminated Groundwater from Gypsum Mining by Resistivity and IP Investigation <i>Desell Suanburi</i></p>	<p><b>Hall 2</b> – 3 topics <b>Chairs:</b> <i>N.N.</i></p> <p>-Study of magnetic properties of rocks and data processing of aeromagnetic field intensity in Lop Buri Province <i>Panupong Lim-u-sanno, Tripob Bhongsuwan</i></p>

	<p>-An integrated geophysical and hydrochemical study of sulfate dissolution related sinkhole occurrence <i>Aksara Mayama, Helmut Dürrast</i></p> <p>-Groundwater prospecting in fractured shale aquifer using an integrated suite of geophysical methods: A case history from Presbyterian Church, Kpiri-Kpiri, Ebonyi state, SE Nigeria <i>Ahamefula Udume Utom, B. I. Odoh, B.C.E. Egboka, S.O. Nwaze</i></p>	<p>-Rock Magnetic and AMS Studies of Mesozoic sandstones from Western Part of Central and Southern Laos <i>Sounthone Singsoupho, Tripob Bhongsuwan, Sten-Åke Elming</i></p> <p>- Palaeomagnetic dating of Sediments in Northern of Bothnian Bay during the Late Holocene <i>Thongchai Suteerasak, Sten-Åke Elming, Johan Ingri, Anders Widelund</i></p>
15:00 - 15:30	<i>Tea/Coffee Break</i>	
	<b>Oral Presentation</b> (Presentation+Discussion 15 min.)	
15:30 - 16:15	<p><b>Hall 1</b> – 3 topics <b>Chairs:</b> <i>N.N.</i></p> <p>-Toward Understanding the Resistivity Anomalies of Hot Springs in Northern Thailand <i>Fongsaward S. Singharajwarapan, Sarawute Chantrapasert, Bunyasit Keaw-duangta, Pichet Kaewsomwang, Weerapan Srichan, Eakjumroen Jundee</i></p> <p>-Investigation of the geological structures of the hot spring areas in Krabi Province, Southern Thailand, using geophysical methods <i>Usa Nilswan, Helmut Dürrast</i></p> <p>-Case Histories of using Magnetotellurics for Geothermal Exploration <i>Kurt-M. Strack, W. Sirpunvaraporn, H. Tulinius</i></p>	<p><b>Hall 2</b> – 3 topics <b>Chairs:</b> <i>N.N.</i></p> <p>-Explosions and artificial avalanche triggering <i>Pavel Chernous, Nikolay Barashev, Yuri Fedorenko, Evgeny Mokrov, Evgeny Podolsky, Osamu Abe</i></p> <p>-Correlation between heat flux over the Indian Ocean and southwest monsoon rainfalls in Thailand by using the MM5 numerical model <i>Phuwieng Prakhannintara</i></p> <p>-Formation and Evolution of Beach Cusps <i>Anurak Sriariyawat</i></p>
16:15 – 17:30	<b>Organizer meeting</b>	
18:00 - 21:00	<i>Welcome Party</i>	

<b>12 November 2010</b>			
<b>Time</b>	<b>Andaman Ballroom (Hall 1)</b>		
09:00 – 09:40	<p><b>Keynote Speaker 3:</b></p> <p>Variations of <i>b</i>-value as earthquake precursors for the Andaman-Sumatra region</p> <p><i>Paiboon Nuannin</i></p>		
09:40 – 10:10	<i>Tea/Coffee Break</i>		
	<p><b>Oral Presentation</b> (Presentation+Discussion 15 min.)</p>		
10:10 – 11:40	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>Hall 1</b> – 6 topics <b>Chairs:</b> <i>N.N.</i></p> <p>-GPS-detection of periodic Coseismic Ionospheric Disturbances following the large earthquakes <i>Nithiwatthn Choosakul, Akinori Saito</i></p> <p>-Local Tectonic Implicated by Macroseismic Results of Two Felt Earthquakes in Southern Thailand <i>Anchalee Luddakul, Thanu Harnpattanapanich</i></p> <p>-Application of remote sensing and geophysical methods for investigating faults in and around HatYai Basin, Songkhla Province</p> </td> <td style="width: 50%; vertical-align: top;"> <p><b>Hall 2</b> – 5 topics <b>Chairs:</b> <i>N.N.</i></p> <p>-MATLAB Package for 2D DC Resistivity Interpretation <i>Suntaree Unhapipat, Chatchai Vachiratienchai, Weerachai Siripunvaraporn</i></p> <p>-Increase lateral resolution of resistivity model with joint audio magnetotelluric and direct current resistivity inversion <i>Puwis Amatyakul, Weerachai Siripunvaraporn</i></p> <p>-Modified Detailed Techniques of Resistivity and IP Mapping and 2/3D Imaging For Gold Mineralization <i>Desell Suanburi, Natthee Rongkhapimonpong</i></p> </td> </tr> </table>	<p><b>Hall 1</b> – 6 topics <b>Chairs:</b> <i>N.N.</i></p> <p>-GPS-detection of periodic Coseismic Ionospheric Disturbances following the large earthquakes <i>Nithiwatthn Choosakul, Akinori Saito</i></p> <p>-Local Tectonic Implicated by Macroseismic Results of Two Felt Earthquakes in Southern Thailand <i>Anchalee Luddakul, Thanu Harnpattanapanich</i></p> <p>-Application of remote sensing and geophysical methods for investigating faults in and around HatYai Basin, Songkhla Province</p>	<p><b>Hall 2</b> – 5 topics <b>Chairs:</b> <i>N.N.</i></p> <p>-MATLAB Package for 2D DC Resistivity Interpretation <i>Suntaree Unhapipat, Chatchai Vachiratienchai, Weerachai Siripunvaraporn</i></p> <p>-Increase lateral resolution of resistivity model with joint audio magnetotelluric and direct current resistivity inversion <i>Puwis Amatyakul, Weerachai Siripunvaraporn</i></p> <p>-Modified Detailed Techniques of Resistivity and IP Mapping and 2/3D Imaging For Gold Mineralization <i>Desell Suanburi, Natthee Rongkhapimonpong</i></p>
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	<p><i>Puwanat Jongjit, Kamhaeng Wattanasen, Danupon Tonnayopas, Sawasdee Yordkayhun</i></p> <p>-Seismic Activities in Kanchanaburi: Past and Present <i>Passakorn Pananont, Burin Wechbunthung, Prinya Putthapiban, Danai Wat-tanadilokkul</i></p> <p>-Geothermal and Seismic Evidence for a Southeastern Continuation of the Three Pagodas Fault Zone in the Gulf of Thailand <i>Prinya Putthapiban, Wanida Chantong, Phumee Srisuwon, Charongporn Praipiban, Passakorn Pananont</i></p> <p>-Estimation of AVS30 and Amplification Rate from Surface Wave Data along the Fringe of Thailand's Central Plain <i>Sakda Thammavitwas, A. Kitazumi, S. Limpisawat, P. Sriwangpol, R. Kaewsong</i></p>	<p>-3D inversion of the resistivity and IP data acquired in the Central Skellefte District, Northern Sweden, constrained by potential field and petrophysical data <i>Saman Tavakoli, Sten-Åke Elming, Hans Thunehed</i></p> <p>-Seismic Behavior of an Anchored Sheet Pile based on the Back Analysis and the 2D FEM <i>Thaveechai Kalasin</i></p>
11:40 - 13:00	<i>Lunch Break</i>	
13:00 - 14:00	Poster Presentation	
14:00 - 15:15	<p style="text-align: center;"><b>Oral Presentation</b> (Presentation+Discussion 15 min.) <b>Hall 1</b> – 5 topics <b>Chairs:</b> <i>N.N.</i></p> <p>-Crustal Thickness of Thailand <i>Wisawet Wongwai, Paiboon Nuannin</i></p> <p>-Deep resistivity structure beneath western part of Thailand: preliminary results <i>Tawat Rung-Arunwan, Weerachai Siripunvaraporn, Hisashi Utada</i></p> <p>-2D Seismic Evidence for Recent Fault Activities in the Andaman Sea, Thailand</p>	

	<p><i>Wanida Chantong, Sarawute Chantraprasert, Phumee Srisuwon, Charongporn Praipipan, Chanida Kaewkor</i></p> <p>-Lithology and Geochemical studies of Asmari Reservoir Cap Rock Using Sonic and Gamma-Ray Well Logs, Petrography and XRF, Zeloil Oil Field <i>Bahman Soleimani, A.R. Bahadori</i></p> <p>- Marine Time Domain Electromagnetics <i>Kurt-M. Strack</i></p>
15:15 - 15:45	<i>Tea/Coffee Break</i>
15:45 – 16:25	<p><b>Keynote Speaker 4:</b></p> <p>Resolving Complex Geology in the Gulf of Thailand using Seismic Data</p> <p><i>Neil L. Smith, Lance D. Brunsvold, George Livesay</i></p>
16:25 - 16:45	Closing ceremony

### 13 November 2010

Time	
08:00 –	Field trip