Program

January 21 (Monday), 2008
18:00 – 20:00 Registration

January 22 (Tuesday), 2008
08:30 – 17:00 Registration

Opening Ceremony
09:00 – 09:05 Opening Teruyuki Kato
09:05 – 09:10 Opening address Goro Watanabe, Senior specialist, MEXT, Japan
09:10 – 09:15 Welcome address Suvit Yodmani, Minister, Ministry of Tourism and Sports, Thailand
09:15 – 09:20 Congratulatory address Ko Ikejima, Director, JSPS Bangkok Office, Japan
09:20–09:30 Opening remarks Teruyuki Kato
09:30–10:10 [K-1] Keynote lecture (1) Seree Supharatid
Recent progress on real time tsunami warning system for Thailand Andaman Coastline

Coffee break

Session 1-1: Giant earthquakes and tsunamis around the Indian Ocean – present, past and future
The 2007 megathrust earthquakes and their predecessors in west Sumatra, Indonesia, and anticipation of the next larger event
Geologic evidence for great Holocene earthquakes off Myanmar
10:55–11:10 [S1-1-3] Win Swe and Soe Thura Tun
Marine terraces along the Myanmar coast
11:10–11:25 [S1-1-4] Maung Thein and Tint Lwin Swe
Earthquake and tsunami hazard potential along the Myanmar coastal areas
11:25–11:40 [S1-1-5] Than Myint, Soe Thura Tun and Tint Lwin Swe
Current research projects on earthquake and tsunami studies in Myanmar: A progress report
11:40–11:55 [S1-1-6] Tun Lwin
Title tbd

Lunch
Session 1-2: Giant earthquakes and tsunamis around the Indian Ocean – present, past and future - continue

The previous Indian Ocean tsunamis: Evidence from the Indian Coast and the Andaman-Nicobar Islands

Evidence of paleo-earthquakes: Paleoseismological investigations in Andaman Islands

Past Giant Earthquakes Inferred from Uplifted Fossil Microatolls at Interview Island, Northwest Andaman Islands

14:00—14:15 [S1-2-4] T. Kato
Post-seismic crustal movement and its mechanism due to the 2004 Sumatra-Andaman earthquake

Viscoelastic Modelling of Postseismic Response due to 2004 Sumatra-Andaman Earthquake: Contribution from Low Viscosity Lithosphere

Post-Seismic Phase Duration of the 2004 Sumatra-Andaman Earthquake as Estimated from GPS Continuous Data

14:45—15:00 [S1-2-7] T. Ito, Agustan, I. Meilano, T. Tabei, F. Kimata
The Construction of new dense GPS observation network: AGNeSS (Aceh GPS Network for Sumatran Fault System)

Crustal deformation studies in Java (Indonesia) using GPS

Coffee break

15:30—15:45 [S1-2-9] P. Banerjee
India plate motion defined from 10 years of GPS data

15:45—16:00 [S1-2-10] M. Imoto, N. Yamamoto
Premonitory changes in seismicity prior to the December 26, 2004 Sumatra earthquake

16:00—16:15 [S1-2-11] S. Matsumura
Seismic Activity Change preceding the Sumatra Great Earthquake Series, 2004 M9.0, 2005 M8.6, and 2007 M8.5

16:15—16:30 [S1-2-12] Y. Sawada, S. Limpisawad and S. Thammavitwas
Local Seismic Activity in North-West of Gulf of Thailand

16:30—16:45 [S1-2-13] Y. Yoshida
The rupture process of giant earthquakes viewing from strainmeter data
Symposium on Giant Earthquakes and Tsunamis, Phuket 2008

obtained by JMA

16:45—17:00 [S1-2-14] H. Matsumoto, Y. Tanioka, Y. Nishimura, Y. Tsuji, Y. Namegaya, T. Nakasu, S. Iwasaki
Tide Gauge Records collected in the Indian Ocean – Its History and Archives –

17:00—17:15 [S1-2-15] Sone Han and Soe Thura Tun
Proposed Geophysical Observation along the Indo-Myanmar Tectonic Boundary

17:30—19:00 Welcome cocktail party

January 23, 2008 (Wednesday)

08:00—17:00 Registration

Session 2-1: Hazards due to earthquakes and tsunamis

08:30—08:45 [S2-1-1] M. Umitsu, M. Takahashi
Geo-environmental Features in the damages of the 2004 Indian Ocean Tsunami in and around Banda Aceh, Indonesia

08:45—09:00 [S2-1-2] Agussalim, S. Unjoh, T. Sugimoto, A. Azan, Said
Behavior of Damaged Bridges Caused by December 2004 Tsunami Along West Coast of Aceh Province

09:00—09:15 [S2-1-3] T. L. Lau, P. Lukkunaprasit, A. Ruangrassamee, T. Ohmachi
Performance of Bridges with Solid and Perforated Parapets in Resisting Tsunami Attacks

Experiments of Tsunami Force on Bridges and Reductions by Mangroves

09:30—09:45 [S2-1-5] T. Hiraishi, H. Kazuto and E. Saitoh
Experimental Study on Impulsive Force of Drift Body due to Tsunami Flow

09:45—10:00 [S2-1-6] G. Shoji, T. Moriyama
Tsunami Wave Load Acting to a Road Structure

Coffee break

10:15—10:30 [S2-1-7] P. Lukkunaprasit1, C. Chintanapakdee, N. Thanasisathit
Calibration of Tsunami Loading on a Damaged Building

10:30—10:45 [S2-1-8] Y. Ono
SPH Simulation for Modeling Tsunami Force Acting on Structures

Session 2-2: Restoration from earthquake and tsunami disasters and planning

10:45—11:00 [S2-2-1] O. Murao, H. Nakazato, K. Sugiyasu
Recovery Curves for Housing Reconstruction in Sri Lanka after the 2004 Indian Ocean Tsunami

11:00—11:15 [S2-2-2] S. Takada, Y. Kuwata and A. Pinta
<table>
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<tr>
<th>Time</th>
<th>Session Details</th>
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<tr>
<td>11:15—11:30</td>
<td>Lifeline Reconstruction Planning after Earthquake and Tsunami Disaster</td>
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<td>[S2-2-3] Y. Kuwata, S. Takada</td>
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<td>Business Restoration related to Lifeline after Tsunami Disaster</td>
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<td>11:30—11:45</td>
<td>Fact-finding Research concerning the Tourism Industry Losses by Indian Ocean Tsunami and the Rehabilitation/Reconstruction Process in Southern Thailand</td>
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<td>[S2-2-4] Y. Karatani and C. Piyathamrongchai</td>
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<td>11:45—12:00</td>
<td>Recovery Program of Agricultural Sector After Tsunami Disaster in Aceh, Indonesia</td>
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<td>Lunch</td>
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<td>13:15—13:30</td>
<td>Session 2-3: Restoration from earthquake and tsunami disasters and planning - continue</td>
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<td>[S2-3-1] M. Riyaz, K.-H. Park</td>
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<td>‘Safer Island Concept’ Developed After the 2004 Indian Ocean Tsunami: A Case Study of Maldives</td>
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<td>13:30—13:45</td>
<td>[S2-3-2] San Hla Thaw and Hlaing Maw Oo</td>
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<td>Disaster response strategy due to earthquake and tsunami in Myanmar</td>
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<td>13:45—14:00</td>
<td>[S2-3-3] I. Riyanto, D. Sudiana</td>
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<td>Mapping of Flood Potential Areas in Greater Jakarta Area Using Satellite Imagery</td>
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<td>Risk Assessment as Last Mile-Evacuation for Padang City, West Sumatera, Indonesia</td>
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<td>Aceh Government Disaster Risk Reduction Strategy</td>
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<td>14:30—14:45</td>
<td>Session 2-4: Community preparedness and education</td>
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<td>Disaster Community Preparedness in West Sumatra</td>
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<td>Construction of Tsunami Memorial Poles for Hazard Data Dissemination and Education</td>
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<td>Coffee break</td>
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<td>15:15—15:30</td>
<td>[S2-4-3] H. Kimura</td>
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<td>How to Organize the Training Materials of Tsunami Disaster Mitigation System for Indian Ocean countries based on Japanese Experience</td>
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<td>15:30—15:45</td>
<td>[S2-4-4] H. Nakanishi</td>
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<td>How to Organize the Training Materials of Tsunami Disaster Mitigation System for Indian Ocean countries From Gender and Socially Vulnerable People’s Perspective</td>
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<td>15:45—16:00</td>
<td>[S2-4-5] K. Suzuki, S. Tanaka</td>
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School Disaster Education for Tsunami-Affected Children in Indonesia

16:00—16:15 [S2-4-6] A. Siripong
Edcations for Disaster Risk Reduction in Thailand

Education on Earthquake and Tsunami Disaster for International Students in Japan

16:30—16:45 [S2-4-8] M. Satomura, M. Koyama, N. Ikegaya
Educational Program and Preparedness for the Earthquake Hazards in Shizuoka University

16:45—17:00 [S2-4-9] Y. Goto, Y. Ogawa, T. Komura
Tsunami Disaster Reduction Education Using Town Watching and Moving Tsunami Evacuation Animation – Trial in Banda Aceh –

17:30—20:30 Short tour to the Patong beach and dinner

January 24, 2008 (Thursday)

08:30—16:00 Registration

09:00—09:40 [K-2] Keynote lecture (2) Harsh Gupta
India’s Initiative in Mitigation of Tsunamis and Storm Surges

Session 3-1: Tsunamis – their hazards, modeling, monitoring and warning

09:40—09:55 [S3-1-1] F. Imamura
Tsunami information and evacuation in the recent tsunamis

The Delayed Waves of the 1945 Makran Tsunami

10:10—10:25 [S3-1-3] Y. Tsuji
Secondary Tsunamis Induced by Submarine Slope Slumping Triggered by Earthquakes in Tropical Countries

Coffee break

The correlation between tsunami run-up height and coastal characteristics index of Phang-Nga and Phuket Provinces Thailand

Modeling Tsunami Runup by Moving Boundary

11:10—11:25 [S3-1-6] W. Kanbua, S. Chuai-aree
Tsunami Propagation Prediction by SiTProS Model

Simulation of Andaman Tsunami for Northwest Malaysia

11:40—11:55 [S3-1-8] K. Hirata
Should the effect of earthquake rupture propagation be included in
tsunami forecast/warning systems?

Lunch

Session 3-2: Tsunamis – their hazards, modeling, monitoring and warning - continue
13:15—13:30  [S3-2-1] S. Prachuab
National Earthquake Monitoring for Tsunami Early Warning in Thailand
Web Based Online Tsunami warning for Thailand Andaman Coastline
13:45—14:00  [S3-2-3] Pariatmono
Developing an Effective Tsunami Early-Warning Systems in Indonesia
14:00—14:15  [S3-2-4] T. Nagai, K. Shimizu
Basic Design of Japanese Nationwide GPS Buoy Network with Multi-Purpose Offshore Observation System
Nationwide Network for Local Tsunami monitoring in the Pacific Ocean Coast of Mexico
14:30—14:45  [S3-2-6] Y. Hasegawa, O. Kamigaichi, S. Tsukada, Y. Nishimae, T. Kuwayama, Y. Igarashi
For Establishment of Appropriate Criteria for Tsunami Warning

Coffee break
15:00—15:40  [K-3] Keynote lecture (3)  E. Bernard
The Tsunami-Resilient Community
15:40—16:30  General discussion and adoption of resolution
16:30—16:45  Closing ceremony

Poster  [P-1]  S. Fujino, H. Naruse, D. Matsumoto, T. Jarupongsakul, A. Sphawajruksakul, N. Sakakura
Sand sheets of pre-2004 tsunamis on Phra Thong Island, Phang Nga Province, southwestern Thailand
Poster  [P-2]  Hla Hla Aung
Studies and Constant Observations of Potential Source areas for Future Earthquakes in Myanmar
Poster  [P-3]  A. Sh. Antonyan
Development of structural features for earthquake early warning systems

January 25, 2008 (Friday)

09:00—17:00  Field excursion to Khao Lak