

INTERNATIONAL CONFERENCE PROGRAM
Natural Disasters: Challenges for Better Forecasting and Hazard Assessment
Chiang Saen Conference Room, A/D Building
NREM Center, Mae Fah Luang University, Chiang Rai, Thailand

September 20-22, 2007

Exhibition Hall located in A/D Building next to Chiang Saen Conference Room

Day 1 (Thursday, September 20, 2007)

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| 08.00-08.30 | Registration |
| 08.30-08.50 | Opening Ceremony
Welcome Address
<i>Dr. Vanchai Sirichana, President of MaeFah Luang University (MFU)</i>
Welcome Comments
<i>Mr. Apichai Chavajarenpun, Director General, Department of Mineral Resources, MNRE</i>
Welcome Comments
<i>Dr. Uma Charan Mohanty, on behalf of the Executive Director, Asian Disaster Preparedness Center (ADPC), Bangkok, Thailand</i> |
| 08.50-09.30 | Keynote Address on Overview of Geohazard Disasters in Thailand
<i>Mr. Worawoot Tantiwanit, Consulting Expert in Geological Resource Management, Department of Mineral Resources, MNRE</i> |
| 09.30-10.10 | Keynote Address on Overview of Natural Disasters on Asia: Frequency, Intensity, and Location
<i>Dr. Uma Charan Mohanty, on behalf of Dr. Bhichit Rattakul, Executive Director, Asian Disaster Preparedness Centre (ADPC), Bangkok, Thailand</i> |
| 10.10-10.30 | Coffee Break |
| 10.30-12.00 | Presentations followed by Panel Discussion on Natural Disasters: (Panelists specializing in research on natural disasters)
Facilitator: <i>Dr. Richard J. Frankel, Adjunct Professor, NREM Center, MFU</i>
(1) Earthquakes: Some Inducible Earthquake Active Faults in Northern Thailand and Its Vicinity
<i>Mr. Somsak Potisat, Geologist (Former Director General of the Department of Mineral Resources)</i>
(2) Floods and Drought:
<i>Mr. Pongsthakorn Suvanpimol, Expert on Hydrology, Royal Irrigation Department</i>
<i>Mr. Supon Sodsoon, Chief of Mekhala Center, Department of Water Resources</i>
(3) Coastal Erosion: Current Situation of Coastal Erosion in Thailand and South East Asia, Causes and Options for Mitigation
<i>Dr. Cherdchinda Chotiyaputta, Specialist, Department of Marine & Coastal Resources, MNRE</i> |

(4) **Landslides:**

Mr. Suree Teerarangsitkul, Senior Geologist, Department of Mineral Resources

Discussion

12.00-13.30

Lunch

13.30-14.30

Keynote Address on Methodology: Worldwide Experience and Assessment in the Application of Space Technologies to Forecasting and Hazard Assessment of Natural Disasters

Dr. Gilbert Rochon (Chief Scientist, Rosen Center for Advanced Computing, Director, Purdue Terrestrial Observatory, Purdue University, USA); Adjunct Professor, NREM Center, MFU

Questions

14.30-15.15

Forecasting Methodology: Improvements and Barriers to Advancement of Forecasting Science and Technology

Dr. Uma Charan Mohanty, Climate Risk Management and Early-Warning Systems Team, Asian Disaster Preparedness Centre, Bangkok

Questions

15.15-15.30

Coffee Break

15.30-16.00

Application of GIS and Sensor Network to Water Induced Disasters

Dr. Kiyoshi Honda, School of Engineering Technology, Asian Institute of Technology, Bangkok

16.00-16.30

Questions and Comments on Forecasting Methodology by the Speakers and Participants

Facilitator: *Dr. John Keith Syers, Dean School of Science, MFU*

16.30-17.15

Campus Tour (optional)

18.30-20.00

Dinner at Barong Art Kitchen, Ban Du

Day 2 (Friday, September 21, 2007)

08:30-09:00

Forecasting and Prediction: The Study of Risk Areas of Flood, Landslide and Drought Using Remote Sensing and GIS in Phayao Province, Northern Thailand

Mr. Chira Prangkio, Director, Geo-Informatics and Space Technology Centre, Chiang Mai University

09:00-09:30

Geological Factors Leading to Flooding and Landslides on October 9, 2006, at Doi Angkhang, Fang District, Chiang Mai Province

Mr. Sampan Thaikruawan, Senior Meteorologist, Director of Research & Development, Meteorological Department, MRNE

09:30-10:00

Application of IT to Forecasting and Hazard Assessment

Mr. Banphot Nobaew and Mr. Worasak Rangsirarak, Lecturers, School of IT, MFU

10:00-10:20

Coffee Break

10.20-11.00

Discussion of Case Studies, Open Discussion, Questions and Answer Period

Facilitator: *Dr. Richard J. Frankel, Adjunct Professor, NREM Center, MFU*

11.00-12.00

Discussion of Assessment Methodology: Advancements in Forecasting, Monitoring, and Predictions

	<p>Facilitator: <i>Dr. Gilbert Rochon (Chief Scientist, Rosen Center for Advanced Computing, Director, Purdue Terrestrial Observatory, Purdue University, USA); Adjunct Professor, NREM Center, MFU</i></p> <p>Rappateur: <i>Dr. Richard J. Frankel, Adjunct Professor, NREM Center</i></p>
12.10-13.30	Lunch
13.30-14:00	<p>Discussion of Hazard Assessment: Analysis of Factors, Risks, Monitoring, and Technologies</p> <p>Facilitator: <i>Mr. Wisut Chotikasathien, Department of Mineral Resources, MNRE</i></p> <p>Rappateur: <i>Dr. Nguyen Luong Bach, Lecturer and Coordinator ADB Project, NREM Center, MFU</i></p>
14.00-15.15	<p>Wrap Up Sessions</p> <p>Facilitator: <i>Dr. John Keith Syers, Dean School of Science, MFU</i></p> <p>Rappateur: <i>Dr. Richard J. Frankel, Adjunct Professor, NREM Center, MFU</i></p>
15.15-15.30	Coffee Break
15.30-16.15	<p>Presentation of Wrap Up Session, Lessons Learned</p> <p>Conclusions and Recommendations for the Future</p> <p>Facilitator: <i>Dr. Gilbert Rochon (Chief Scientist, Rosen Center for Advanced Computing, Director, Purdue Terrestrial Observatory, Purdue University, USA); Adjunct Professor, NREM Center, MFU</i></p> <p>Rappateur: <i>Dr. Richard J. Frankel, Adjunct Professor, NREM Center, MFU</i></p>
16:15-16:30	<p>Conference Conclusion</p> <p>Facilitator: <i>Dr. Okitsugu Fujiwara, Advisor to the President and Director of NREM Center, MFU</i></p>
16.30-17.00	<p>Closing Ceremony</p> <p>Closing Remarks</p> <p><i>Dr. Ted Tesprateep, Vice-President for Research Affairs and Academic Services, MFU</i></p> <p>Closing Remarks by Co-Sponsors</p> <p><i>Department of Mineral Resources, MNRE</i></p> <p><i>Asian Disaster Preparedness Center, Bangkok</i></p>
18.00-20.00	Cocktail Supper in front of Chiang Saen Room, MFU

Day 3 (Saturday, September 22, 2007)

07.30-12.00	<p>Field Trip to Landslide Disaster Area, Fang District, Chiang Mai Province</p> <p><i>Co-Tour Leaders: Mr. Sampan Thaikruawan, Senior Meteorologist, Meteorological Department, MNRE and Mr. Huan Vu Duc, Research Associate, NREM Center, MFU</i></p> <p>Depart by bus from MFU, meet with government officers in charge of flooding and landslide disaster management; see sites of previous disaster; learn of villager and government responses; discuss new program of what local government plans to do in the future.</p>
12.10-13.30	Lunch in Fang District
13.30-14.30	Return to MFU
15.00	Checkout and Departure