

USGS-IOC GPS, Seismology, and Tsunami Warning Training Course

20-24 August 2007, Chulalongkorn University, Bangkok, Thailand

Mon, 20th

9:00-10:00	Opening Ceremony	
10:00-11:00	Tsunamis: a review	E Okal
11:00-11:30	coffee	
11:30-12:30	Earthquakes: general introduction	E Okal
12:30-1:30	Lunch	
1:30-2:30	Elastic strain and GPS	R Bendick
2:30-3:30	GPS: how it works and possible data products	R Bendick
3:30-4:00	coffee	
4:00-5:00	GPS for tsunami warning	R Bendick

Tues, 21st

9:00-10:00	GPS for tsunami warning	R Bendick
10:00-11:00	GPS: hands-on exercises	R Bendick
11:00-11:30	coffee	
11:30-12:30	GPS summary and wrap-up	R Bendick
12:30-1:30	Lunch	
1:30-2:30	Earthquakes: Detection, location and focal geometry	E Okal
2:30-3:30	Earthquake location exercise	W Mooney
3:30-4:00	coffee	
4:00-5:00	Earthquake location exercise	W Mooney

Wed, 22nd

9:00-10:00	Measuring earthquake size	E Okal
10:00-11:00	Earthquake scaling laws	E Okal
11:00-11:30	coffee	
11:30-11:45	Introduction to earthquakes as tsunami sources	W Mooney
11:45-12:30	Earthquakes as tsunami sources	E Okal
12:30-1:30	Lunch	
1:30-2:30	Earthquake magnitude exercise	W Mooney
2:30-3:30	Earthquake magnitude exercise	W Mooney
3:30-4:00	coffee	
4:00-5:00	Earthquake magnitude exercise	W Mooney

Thurs, 23rd

9:00-9:55	Landslide tsunamis	E Okal
9:55-10:10	Introduction to lessons from the 2004 Sumatra Disaster	W Mooney
10:10-11:00	lessons from the 2004 Sumatra Disaster	E Okal
11:00-11:30	coffee	
11:30-12:30	Indian Ocean case studies and scenarios	E Okal
12:30-1:30	Lunch	
1:30-2:30	Tsunami monitoring: Coastal and Deep-Sea instrumentation, Tsunami Travel Time Calculation and Wave Forecasting (lecture)	L Kong
2:30-3:30	Tsunami Travel Time Calculation (TTT exercise)	L Kong / A Kelly
3:30-4:00	coffee	
4:00-5:00	Tsunami Travel Time Calculation (TTT exercise)	L Kong / A Kelly

Fri, 24th

9:00-10:00	Forecasting Earthquakes	W Mooney
10:00-11:00	Scientific milestones from historical tsunamis in the Pacific	E Okal
11:00-11:30	coffee	
11:30-12:30	Tsunami monitoring: Coastal sea level gauges (lecture)	L Kong
12:30-1:30	Lunch	
1:30-2:30	Operational sea-level monitoring tools (TideTool)	L Kong / A Kelly
2:30-3:30	Operational sea-level monitoring tools (station metadata, data access and archiving)	L Kong
3:30-4:00	coffee	
4:00-5:00	Closing Ceremony	