

**SEMINAR ENGINEER SUBJECT MATTER EXPERT EXCHANGES (SMEE)
UNIVERSITI MALAYSIA PAHANG (UMP), THE U.S. PACIFIC FLEET (USPACFLT) AND
MALAYSIAN ARMY (ATM)**

**8 to 11 August 2016 (Monday to Thursday) 8:30 am
Astaka Hall, UMP Gambang Campus**

FIRST PROGRAM

DAY 1: 8 AUGUST 2016

NATURAL DISASTER: SCENARIO IN MALAYSIA

- 8:30 am : **Opening Ceremony**
- 10:00 am : Tea Break
- 10:30 am : **Keynote Address**
Natural Disaster Challenge in Malaysia
Professor Dr. Taksiah A. Majid
Disaster Research Nexus
Universiti Sains Malaysia
- 11:30 am : **Flood Hazard in Peninsular Malaysia**
Dr. Mohamad Idris Ali
Dean, Faculty of Civil Engineering and Earth Resources
Universiti Malaysia Pahang
- 12:30 pm : Lunch
- 2:30 pm : **Construction Safety and Activity Hazard Analysis**
LT Joseph Blauwikel
NAVFAC Pacific US Navy
- 3:30 pm : **Fall Protection Safety**
LT Joseph Blauwikel
NAVFAC Pacific US Navy
- 4:30 pm : **Forum Discussion**
Moderator – Dr. Doh Shu Ing
Faculty of Civil Engineering and Earth Resources
Universiti Malaysia Pahang
- 5:30 pm : Tea Break and End of Program

DAY 2: 9 AUGUST 2016

TECHNOLOGICAL IN DISASTER MITIGATION & CONSTRUCTION SAFETY

- 8:30 am : **Disaster Risk Management Using GIS**
Noram Irwan Bin Ramli
Faculty of Civil Engineering and Earth Resources
Universiti Malaysia Pahang
- 9:30 am : **Construction Risk Management**
Construction Industrialized Development Board Malaysia (CIDB)
- 10:30 am : Tea Break
- 11:00 am : **Safety Awareness**
Construction Industrialized Development Board Malaysia (CIDB)
- 12:00 pm : **Capsize of Bulk Cargoes Carrying Bauxite from Kuantan:
Investigation on Geotechnical Properties of Kuantan Bauxite**
Dr. Muzamir Hasan
Faculty of Civil Engineering and Earth Resources
Universiti Malaysia Pahang
- 1:00 pm : Lunch
- 2:30 pm : **Floating Structure**
Wan Nazri Bin Wan Aria
Lead Engineer
Royal Mecca Clock Tower
- 3:30 pm : **Hydrological Modelling for Flood Forecasting**
Associate Professor Dr. Oceana Puananilei Francis
Department of Civil and Environmental Engineering
University of Hawaii
- 4:30 pm : Tea Break and End of Program

DAY 3: 10 AUGUST 2016

POST DISASTER MANAGEMENT

- 8:30 am : **Alert Warning System in Disaster Management**
Professor Dr. Panos D. Prevedourus
Chair of Civil and Environmental Engineering
University of Hawaii
- 9:30 am : **Incident Management and Command System**
Professor Dr. Panos D. Prevedourus
Chair of Civil and Environmental Engineering
University of Hawaii
- 10:30 am : Tea Break
- 11:00 am : **Assessment Survey Awareness Level Training**
Professor Dr. Panos D. Prevedourus
Chair of Civil and Environmental Engineering
University of Hawaii
- 12:00 pm : **Damage Assessment after Disaster 1**
Professor Dr. Panos D. Prevedourus
Chair of Civil and Environmental Engineering
University of Hawaii
- 1:00 pm : Lunch
- 2:30 pm : **Damage Assessment after Disaster 2**
Professor Dr. Panos D. Prevedourus
Chair of Civil and Environmental Engineering
University of Hawaii
- 3:30 pm : **Sustainable Infrastructure for Flood Mitigation**
Professor Dr. Panos D. Prevedourus
Chair of Civil and Environmental Engineering
University of Hawaii
- 4:30 pm : Tea Break and End of Program

SECOND PROGRAM

DAY 4: 11 AUGUST 2016

COASTAL PROTECTION AND EROSION CONTROL

This workshop reviews current coastal engineering criteria, discusses recent and relevant projects and provides framework for identifying and addressing vulnerabilities with the systematic evaluation and cost effective remediation options. The primary purpose of this engagement is to enhance the coastal stability and resilience.

Content

1. Practise Review

- Protection
- Enhancement
- Restoration

2. Project Case Studies

- Case Study 1 – New York “seaport city”
- Case Study 2 – Protecting the Los Angeles Rail Corridor
- Case Study 3 – Dynamics Revetments on the Oregon Coast

3. Project Considerations

- Rising Sea Levels
- Living Shoreline

4. Concepts and Detail

- Breakwaters
- Mangrove
- Hard Stabilization
- Structural System
- Monitoring