# FIRST PROGRAM

## DAY 1: 8 AUGUST 2016

### NATURAL DISASTER: SCENARIO IN MALAYSIA

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Institution</th>
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</thead>
<tbody>
<tr>
<td>8:30 am</td>
<td>Opening Ceremony</td>
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<tr>
<td>10:00 am</td>
<td>Tea Break</td>
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<tr>
<td>10:30 am</td>
<td>Keynote Address</td>
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<tr>
<td></td>
<td>Natural Disaster Challenge in Malaysia</td>
<td>Professor Dr. Taksiah A. Majid, Disaster Research Nexus, Universiti Sains Malaysia</td>
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<tr>
<td>11:30 am</td>
<td>Flood Hazard in Peninsular Malaysia</td>
<td>Dr. Mohamad Idris Ali, Dean, Faculty of Civil Engineering and Earth Resources, Universiti Malaysia Pahang</td>
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<tr>
<td>12:30 pm</td>
<td>Lunch</td>
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<tr>
<td>2:30 pm</td>
<td>Construction Safety and Activity Hazard Analysis</td>
<td>LT Joseph Blauwiekel, NAVFAC Pacific US Navy</td>
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<tr>
<td>3:30 pm</td>
<td>Fall Protection Safety</td>
<td>LT Joseph Blauwiekel, NAVFAC Pacific US Navy</td>
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<tr>
<td>4:30 pm</td>
<td>Forum Discussion</td>
<td>Moderator – Dr. Doh Shu Ing, Faculty of Civil Engineering and Earth Resources, Universiti Malaysia Pahang</td>
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<tr>
<td>5:30 pm</td>
<td>Tea Break and End of Program</td>
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**DAY 2: 9 AUGUST 2016**

**TECHNOLOGICAL IN DISASTER MITIGATION & CONSTRUCTION SAFETY**

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