FLOOD CONTROL: EVALUATION AND CASE STUDIES

Prof. Dr. Sahol Hamid, Vice Chancellor of Universiti Teknologi MARA, Malaysia

Short Course, Friday Dec 3rd to Sunday Dec 12th, 2010

Lecture room to be announced

<table>
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<tr>
<th>Hours per Week: 2</th>
<th>Certif. of credits: oral (presentation) and written exam</th>
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<td>(3 hours of lectures/exercises over 9 days incl. Seminar and Exam)</td>
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<tr>
<td>Type of course: Lecture, exercise, seminar</td>
<td>ECTS-Credits: 3</td>
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1. Introduction to flood control and flood control projects around the world
   Details on flood control projects and its evaluation based on world bank procedures.
   3 hrs

2. Flood control hydrological and hydraulic procedures.
   Procedures by US Army Corps of Engineers.
   6 hrs

3. Flood control economics
   World bank procedures and practice.
   6 hrs

4. Tsunami
   Occurrence, geophysics, different types of Tsunami. Case study on Aceh, Indonesia.
   3 hrs

5. Three Gorges dam flood control project in China
   The biggest flood control dam project explained in detail.
   3 hrs

6. The SMART Tunnel, Malaysia
   The biggest flood control tunnel and road way underground built for flood reduction and roadway.
   This mega project is fully operational.
   3 hrs

7. Flood Control Projects in UK and Netherlands
   3 hrs

8. Special Topics:
   Rainfall Harvesting, Invisible flood walls, Floating Breakwaters
   3 hrs

Each student is required to prepare and give a 20 minutes presentation on a flood control project in any part in the world and sit for a 1.5 hour test on topics 1, 2 and 3 only.

Please register immediately with
warem@iws.uni-stuttgart.de (limited no. of participants)