

July 18-20, 2016

Venue:

FKASA 5, Level 1, Faculty of Civil Engineering & Earth Resources University of Malaysia Pahang (UMP), 26300 Gambang, Kuantan, Malaysia

Grab CCD and CPD points only in one package











Speaker:

Dr. Abolghasem Akbari Faculty of Civil Engineering & Earth Resources University of Malaysia Pahang (UMP)

introduction:

Rainfall-runoff simulation is important part of hydrological analysis and design. It is more important when peak runoff and time to peak become a key criteria in design for rural and urban infrastructure. By rapid growing of computer software and earth observation industries, there is high demand to teach/learn of recent advances in integration of GIS tools into the hydrological and hydraulics models supported with remote sensing dataset. It is also provides a better framework for understanding of the hydrological process throughout the visualization and taking the spatial domain into consideration.

Main topics:

- ✓ Basic concept of GIS and Remote Sensing
- ✓ ASTER-derived watershed boundary delineation and characterization using HEC-GeoHMS
- ✓ Rainfall-runoff simulation using HEC-HMS

Who Should Attend?

- ✓ Local Authority Engineers and Planners
- Engineering Consultants, Researchers, Hydrologists, Civil and Environmental Engineers and Scientists
- ✓ Student and lecturers from relevant fields
- ✓ Professionals involved with the implementation of the various water management Directives.

Booking & Fees:

Normal rate: RM600 Student: RM400 UMP student: RM300

Places are allocated on a first-come basis, and pre-booking is essential (using the registration form on this page). The cost of attendance are includes lecture notes, breakfast, refreshments, lunch and certificate. Invoices will be issued following receipt of registration forms requesting the reservation of a place. Receipts will only be issued upon demand.

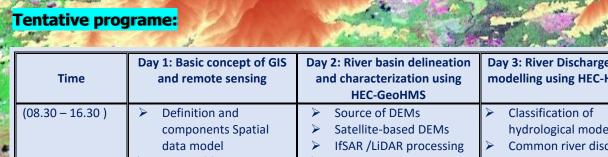
Objective:

The main objective of this workshop is to illustrate rainfall-runoff modelling using GIS-base and semi-distributed hydrological model supporting with public domain remote sensing data. It will also explore the main component of the GIS and required tools for watershed delineation and characterization.

Registration form:					
Name:					
Job title:					
Institusion:					
Address:					
Email:					
Tel:					
Fax:					
Category:					
Normal:					
Student:					
UMP student:					
Signature:					

Page 1 of 2





Time	and remote sensing	and characterization using HEC-GeoHMS	modelling using HEC-HMS
(08.30 – 16.30) 10.00 – 10.30 Refreshment 12.30 – 14.00 Lunch 16.15 - 16.30 Refreshment	 Definition and components Spatial data model Types of features Spatial data structure Coordinate systems and projection Remote Sensing of Hydrology Integrating Google Earth with GIS software Data management tools in ArcGIS Intersection Clip Dissolve Union Merge Adding XY data Buffer Spatial query 	HEC-GeoHMS Source of DEMs Satellite-based DEMs IfSAR /LiDAR processing ASTER-GDEM processing DEM optimization Filling sinks Reconditioning River Basing boundary delineation process River Basing characterization Creating SCS Curve Number using HEC-GeoHMS	 Classification of hydrological model Common river discharge model Hydrologic Modelling System (HEC-GMS) Component of HEC-HMS Basin model Metrological model Control specifications Time-series data manager Setting up HEC-HMS for actual data Running HEC-HMS for real rainfall events Model Calibration
	GIS applications		

Note:

- All participants need to bring laptop
- All participants should install ArcGIS, HEC-HMS, HEC-GeoHMS

Registration / Further Information:

Registration fee should be paid through the Maybank:

Account holder: Bendahari UMP Account number: 556235304266

To register for the workshop, please complete the registration form and email (with the proof of payment) to safwan@ump.edu.my or fax to +6095492998 (Faculty of Civil Engineering & Earth Resources, University of Malaysia Pahang)

To request further information, please contact:

- Mr. MOHD SAFWAN RIZAL BIN SARIPUDIN 🖀 +6095493006 or 0192292078 or safwan@ump.edu.my

For technical questions, please contact:

DR ABOLGHASEM AKBARI ## +6095492983 or 0129454233 or akbari@ump.edu.my

REGISTER NOW