

# Network of Women Scientists of the Islamic world is organizing 2-Days Workshop on: **GIS&RS Application in simulation of hydrological Process**

In collaboration with University Malaysia Pahang (UMP)

Venue: Tehran, Iran

Date: 14-15 April, 2016

**CERTIFICATE  
IS PROVIDED**

## Main objectives:

- ❖ To explain the fundamentals and main components of Geospatial Information System (GIS) and Remote Sensing (RS) with emphasis on spatial data structures, map projection and data management tools using ArcGIS
- ❖ To discover the GIS&RS capabilities in extracting physical parameters of watershed in order to support hydrological model using HEC-Geo-HMS and HEC-HMS.

## Main headlines of workshop:

### Day 1: Basic and fundamental

- GIS components
- Spatial data structures
- Coordinate system and map projection
- Data management tools

### Day 2: Utilization of GIS tools in Rainfall-runoff Modeling

- DEM specifications and optimization
- Watershed delineation and parametrization
- Hydrological geodatabase development
- Semi-distributed Rainfall-runoff simulation using HEC-HMS

## Who should attend :

- Postgraduate candidates in field of Civil and Environmental Engineering and natural resources
- Fresh engineer who work in consultancy companies
- Fresh engineers who work in government agencies
- Researchers from universities and research centers

## Instructor :

- Abolghasem Akbari
- PhD in Civil Engineering, major in GIS-based hydrology modeling
- Assistant professor at University Malaysia Pahang (UMP), Malaysia
- Associated researcher in University Malaya (UM), Malaysia
- 18 years experience in teaching, research and consultancy of GIS-based projects related to Civil and Environmental Engineering

## Registration fee :

1000000 IR, including workshop materials and certificate

*Please do not hesitate to call +9821 88718019 and +982188712492 or email to [nwsiw.science@gmail.com](mailto:nwsiw.science@gmail.com) for further information about the workshop*



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**Registration is open now**