



## Call for Papers

### The 8<sup>th</sup> Int. River Engineering Conference (8IREC)

26-28 Jan, 2010

Shahid Chamran University  
Ahwaz – Iran

Khuzestan Water and Power Authority

Shahid Chamran University

Dez Ab Consulting Engineers Co.

#### Introduction

Following the successful seven river engineering conferences held in 1991, 1993, 1995, 1997, 1999, 2003 and 2007, the local organizing committee of the 8<sup>th</sup> Int. River Engineering Conference (8IREC) has the pleasure and honor to invite all interested persons to participate in the conference to be held on January 26-28 2010 in Shahid Chamran University, Ahwaz, Iran. The principle purpose of 8IREC is to enhance and to promote this cooperation and to continue the highly useful exchange of new ideas among the conference participants representing theory and practice of technical, economic, social and environmental aspects of river engineering.

#### Key Dates

**Final Paper Due:** 23 August 2009  
**Final Acceptance:** 22 October 2009

#### Conference Language

Papers can be submitted in Persian and English

#### Conference Topics

- The main topic of this conference is "Effect of climate change on river dynamics", the other topics are:
- **River Sedimentation and Erosion Management**
  - Measuring river sediments
  - Bank and bed erosion
  - Control of sediment deposition
  - Reservoir flushing
- **River Morphology**
  - River geometry, river plan and bed forms
  - Effects of sand and gravel
  - Impact of change in river morphology on safety of hydraulic structures

#### Modeling in River Engineering

Physical and mathematical models  
Micromodeling  
Calibration and verification of models

#### Hydraulic Structures in Rivers

Criteria for stability  
Scouring process  
Deposition process

#### River Hydraulics

Flood control structures  
Flood discharge and overbank flows  
Flood warnings systems  
Tidal rivers

#### Environmental Aspects of River Engineering

Water quality  
Bioengineering  
Environmental effects of river engineering projects

#### The Integrative Management of River and Watershed

River supply management under drought conditions

#### The Application of GIS, RS and Value Engineering in River Engineering

#### New Techniques in Measuring and Monitoring of Flow and Sediment Transport in Rivers

#### The Economic, Social, Legal and Political of River Engineering Projects

#### Local organizing committee

Dr. S.M. Kassefipour      Conference Chairman  
Dr. H.R. Ghajouri      Shahid Chamran University  
Dr. H. Hassanni Zadeh      Khuzestan Water and Power Authority  
Mr. A. Abrishamdar      Dez Ab Consulting Engineers Co.

#### Conference Secretariat

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