

### Key dates

Call for Abstracts:	January 2010
Submission of Abstracts:	15 March 2010
Abstract Acceptance Notification:	1 May 2010
Submission of Papers:	1 September 2010
Paper Acceptance Notification:	15 October 2010
Submission of Final Revised Papers:	15 November 2010
Early Registration:	30 October 2010
Conference:	8 -10 February 2011

The official language of the conference is English

### Sponsors

We are contacting local and international companies and institutions providing sensors, monitoring systems, FRP composites and other materials and systems for structural rehabilitation.

### Exhibition

Manufacturers and exhibitors in the field of smart monitoring, assessment and rehabilitation of Civil Structures are invited to reserve their stands at the conference

### Registration Fee

Early Registration:	550 USD, and 200 USD for students
Registration after 30.10 2010:	650 USD, and 250 USD for students
Accompanying person registration:	250 USD
Accommodations:	to be announced

### Scientific Tours

Visiting prestigious structures in UAE such as the Burj Khalifa tower with a height of 828 m and other towers, palm islands, etc

### Conference Secretary

Ms Bernadette Havranek

Empa Switzerland

Structural Engineering Research Laboratory

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**Conference website:**

**[smar.empa.ch](http://smar.empa.ch)**

## Invitation and Call for Abstracts



# SMAR 2011 Dubai

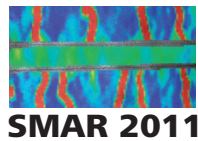
**First Middle East Conference on Smart Monitoring,  
Assessment and Rehabilitation of Civil Structures**

**SMAR 2011, Dubai UAE**

**8 – 10 February 2011**

**American University in Dubai (AUD)**

**Conference website: [smar.empa.ch](http://smar.empa.ch)**



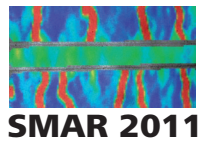
## Scope

The International Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, SMAR 2011, will provide a forum for international scientists, engineers, enterprisers and infrastructure managers to present and discuss the state-of-the-practice and recent advances in testing and monitoring technology, in structural modelling and assessment methods, and in the application of advanced materials for structural rehabilitation. The conference will provide a platform for exploring the potential of international cooperation.

SMAR 2011 is the first conference located in the Middle East sponsored jointly by the International Society for Structural Health Monitoring of Intelligent Infrastructure (ISHMII) and International Institute of FRP in Construction (IIFC).

## Topics

Smart sensors  
Wireless sensor networks  
Implementation of structural monitoring  
Monitoring of off-shore structures and oil pipelines  
Monitoring of high rise buildings and bridges  
Advanced inspection and testing  
System identification and model updating  
Performance and damage assessment  
Safety evaluation and reliability forecast  
Damage control, repair and strengthening  
External strengthening using FRP composites  
Structural health monitoring  
Strengthening of concrete, timber and steel structures  
Strengthening of masonry and historic structures  
Confinement of concrete columns  
Near surface mounting reinforcement  
Seismic Retrofitting  
Durability of FRP strengthened systems as related to harsh environments  
Fire protection for FRP strengthening systems  
Practical applications and case studies  
Visionary Concepts



**City, Country:** Dubai, United Arab Emirates  
**Time:** 8 – 10 February 2011  
**Venue:** American University in Dubai (AUD)

## Conference Chair:

Professor Masoud Motavalli (Empa, Switzerland)

## Conference Co-Chairs:

Professor Farhad Ansari (President ISHMII)  
Professor Lawrence C. Bank (President IIFC)  
Professor Urs Meier (Empa, Switzerland)

## Local Organisation Committee (LOC)

LOC Chair:  
Professor Elias Saqan, American University in Dubai (AUD)  
LOC Co-Chairs:  
Professor Ashraf Biddah, United Arab Emirates University in Al Ain (UAEU)  
Siamak Kia, IBM Middle East, Dubai  
Dr Mohamad Nagi, AUD  
Dr Rami Hawileh, AUS

## International Scientific Committee

Council members of ISHMII and IIFC and others, see website [smar.empa.ch](http://smar.empa.ch)

## Keynote Lectures

Ahmad Abdelrazaq, Executive Vice President, Samsung C&T KR  
Dr Chris J. Burgoyne, Head of Structures Group, Univ. of Cambridge, UK  
Peter Emmons, CEO of structural group, US  
Dr Glauco Feltrin, Deputy Structural Engineering Laboratory, Empa CH  
Dr R.K. Khandal, Director, Shriram Institute, Delhi, IN  
Professor Ali Maher, Director CAIT / Rutgers CA