



**(First Call for Papers)**  
**The International Conference on Experimental Solid Mechanics and  
Dynamics (*X-Mech-2012*)**

**March 6-7, 2012, Tehran, Iran**

*Center of Excellence in Experimental Solid Mechanics and Dynamics,  
School of Mechanical Engineering, Iran University of Science and Technology*

The International Conference on Experimental Solid Mechanics and Dynamics (*X-Mech-2012*) is being organized by the *Center of Excellence in Experimental Solid Mechanics and Dynamics affiliated to the School of Mechanical Engineering at Iran University of Science and Technology*.

The objective of the conference is to establish a forum for exchanging the ideas in the field of experimental solid mechanics. The International Conference on Experimental Solid Mechanics and Dynamics (*X-Mech-2012*) will be held during March 6-7, 2012 in the campus of Iran University of Science and Technology in Tehran, Iran.

**TOPICS:**

Different topics in experimental solid mechanics and dynamics including but not limited to:

- Elasticity and Plasticity
- Experimental stress analysis
- Fatigue and durability
- Fracture mechanics
- High strain rates loading
- Advanced materials and composites
- Micro and Nano-materials
- Optical techniques
- Vehicle dynamics
- Robotics
- Nondestructive Evaluations
- Impact mechanics
- Adaptive and smart structures/materials
- Engineering acoustics and vibrations
- Identification of mechanical systems
- Noise and vibrations
- Rotating machinery/condition monitoring
- Shock and vibration testing
- Structural dynamics
- Mechanics of thin films
- Biomechanics
- Nano-mechanics

**THE CONFERENCE LOCATION:**

Excavations place the existence of settlements in Tehran as far back as 6000 BC. The best feature of the city is the magnificent Alborz Mountains with the altitude of 1800 meters above sea level range on the northern side, covered with snow usually from November to May. Tehran is a city of all four seasons with hot summers, freezing winters, and brief springs and autumns.

The highest peak in the country, Mount Damavand (5,678 m), which is an extinct volcano covered in snow for most of the year with its visibility from Tehran has an attractive appeal for adventurers and climbers. Tehran, with a population of around 14 million, is the biggest city in Iran and one of the largest cities in the Middle East, comparable in size with London and New York. The city is very lively in days, and the population is very young. There are many quality museums to visit and

plentiful good restaurants to dine in. People are very friendly especially towards foreigners, and the majority of the young generation has a good command of English. *International participants require an “Entry Visa”.*



#### **CONFERENCE LANGUAGE:**

English is the official language of the conference. All papers will be published and presented only in English.

#### **ABSTRACT:**

An electronic file (Word document) of a 200-word abstract with title, name, address, phone/fax numbers and E-mail address should be submitted to the conference website ([xmech.iust.ac.ir](http://xmech.iust.ac.ir)) by **31 October 2011**.

#### **IMPORTANT DATES:**

31 Oct. 2011, Abstract submission  
30 Nov. 2011, Abstract acceptance  
31 Dec. 2011, Early registration  
31 Jan. 2012, Full paper submission  
6-7 March 2012, Conference sessions

#### **REGISTRATION FEES:**

**Bank accounts** for national and international participants will be announced in the conference website ([xmech.iust.ac.ir](http://xmech.iust.ac.ir)) soon.

<b>Before Nov. 30, 2011</b>	<b>International fee</b>	<b>National fee (Rials)</b>
Participant	<b>\$450</b>	<b>2,000,000</b>
Student	<b>\$250</b>	<b>1,500,000</b>
Accompanying	<b>\$325</b>	<b>1,000,000</b>

<b>After Nov. 30, 2011</b>	<b>International fee</b>	<b>National fee (Rials)</b>
Participant	<b>\$500</b>	<b>2,500,000</b>
Student	<b>\$300</b>	<b>2,000,000</b>
Accompanying	<b>\$375</b>	<b>1,500,000</b>

All participants are required to register and pay the registration fee of the conference. Registration includes conference proceedings, lunches and refreshments.

#### **CONFERENCE CHAIR:**

Prof. Mahmood M. Shokrieh, Iran University of Science and Technology, Iran

### **EXCECUTIVE COMMITTEE:**

Prof. Hamid Ahmadian  
Prof. Majid R. Ayaollahi  
Prof. Hamid Jahed Motlagh  
Prof. Moharam Habibnejad Korayem  
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### **INVITED INTERNATIONAL ADVISORY COMMITTEE:**

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### **ACCOMODATION:**

Please reserve your hotel room by contacting your hotel of choice. The list of hotels and their contact information are given in: [http://www.irantravelingcenter.com/tehran\\_hotel\\_guesthouse.htm](http://www.irantravelingcenter.com/tehran_hotel_guesthouse.htm). You can also find more information via internet.

### **BANK ACCOUNTS:**

For national and international participants will be announced on the conference website ([xmech.iust.ac.ir](http://xmech.iust.ac.ir)) soon.

### **SPONSOR:**

Iran University of Science and Technology

### **CONTACT US:**

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