

Third Announcement



13th International Conference on Fracture (ICF13)

**June 16–21, 2013
Beijing, China**

<http://www.icf13.org>



Venue and Dates

The 13th International Conference on Fracture (ICF13) will take place in Beijing, China from June 16 to 21, 2013. The Conference Venue is the **China National Convention Center (CNCC)**: <http://www.cnccchina.com>) which is ideally located in the heart of the Olympic Green of Beijing, adjacent to the National Stadium (Bird's Nest) and the National Aquatics Center (Water Cube).

General Information

ICF13 Secretariat

The Chinese Society of Theoretical and Applied Mechanics

15 Beisihuanxi Road, Haidian District

Beijing 100190, China

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E-mail: icf13@cstam.org.cn

All information on ICF13, including registration, transportation, accommodation, etc., is available on the Conference website at:

<http://www.icf13.org>

Registration

Registration Fee

Date of registration	Participants	Students	Accompanying persons
Early bird February 25 – March 31, 2013	CNY 4,800	CNY 2,400	CNY 750
Regular/Onsite April 01 – June 21, 2013	CNY 5,400	CNY 2,700	CNY 750

The registration fee for a regular participant or a student covers admission to all conference sessions for 5 days, lunches for 5 days, coffee breaks, an abstract book, a conference kit, and the welcome reception. A student participant must provide a valid document showing his/her identity as a registered full-time student. The registration fee for an accompanying person covers a name badge, coffee breaks, and the welcome reception.

Online registration is preferable for participants who could easily create an account with a valid email address and make the payment by credit card for

the registration fee, the banquet and social events at the same time. If there is a difficulty with the online registration and payment, please request instructions by sending e-mail to: icf13@cstam.org.cn.

Onsite Registration

Registration will also be available at the Conference, during **June 16–21, 2013**. Onsite registrants will be subjected to an onsite registration fee of **5,400 CNY**. Payment at the Conference must be made in cash or by credit card (VISA, MasterCard).

Registration Desk and Official Receipt

The Registration Desk will be located at the **Main Lobby** close to the **C3 Gate** on the 1st floor of the China National Convention Center (CNCC) and will be open for:

Sunday, June 16	10:00 – 20:00
Monday, June 17	08:00 – 18:00
Tuesday, June 18	08:00 – 18:00
Wednesday, June 19	08:00 – 18:00
Thursday, June 20	08:00 – 18:00
Friday, June 21	08:00 – 12:00

Official Receipts (Invoices) will be given to delegates upon their arrival at the Conference on the Registration Desk.

Travel and Weather

Transportation from Beijing Capital International Airport to CNCC

- By taxi (Recommended): 40 min, about 120 CNY.
- By light rail and underground: change 2 times, 27 CNY (Destination: Olympic Green; or Olympic Sports Center).
- By shuttle bus: Airport to Anhui Qiao (Anhui Bridge), 16 CNY.

Weather

Mid-June in Beijing is sunny and hot. The average daily temperature is about 28°C /82°F, with highs of around 33°C /92°F and lows of around 20°C /68°F. It is an ideal time for tourists to enjoy the beautiful sites of Beijing.

Accommodation and Recommended Hotels

There are a number of hotels of different categories, close to the Conference Venue. We recommend 4 hotels shown below. Special rates for Conference attendees will be available.

No.	Hotel Name	Street	Distance to Conference Venue
1	CNCC Grand Hotel	8 Beichen West Rd.	0.5km
2	Grand Skylight CATIC Hotel	18 Beichen East Rd.	1.5km
3	National Jade Hotel	19 Huizhong Rd.	1.5km
4	Yayuncun Hotel	8 Beichen East Rd.	1.9km

(Please find the No. of the hotel on the map below)



★ China National Convention Center

Technical Program

Preliminary Program Schedule

	Sunday June 16	Monday June 17	Tuesday June 18	Wednesday June 19	Thursday June 20	Friday June 21
8:30-9:00				Presidentiali Honor Lecture & Plenary Lectures		
9:00-10:10		Opening Ceremony & Opening Honor Lecture	Plenary Lectures		Plenary Lectures	Plenary Lectures
10:10-10:30	Registration		Coffee Break			
10:30-12:10		Coffee Break				Closing Honor Lecture & Closing Ceremony
		Plenary Lectures	Parallel Sessions	Parallel Sessions	Parallel Sessions	
12:10-13:30		LunchTime				
13:30-14:00				Parallel Sessions	Parallel Sessions	
14:00-15:40		Plenary Lectures	Plenary Lectures	Parallel Sessions	Parallel Sessions	
15:40-16:00		Coffee Break				
16:00-18:00		Parallel Sessions	Parallel Sessions	Parallel Sessions	Parallel Sessions	
18:00-20:00	Registration & Welcome Reception					
10:00-18:00		Exhibition	Exhibition	Exhibition	Exhibition	Exhibition
19:00-21:00		ICF ExCo. Meeting	ICF Council Meeting	ICF ExCo. Meeting	Banquet	
The ICF13 Secretariat reserves the right of changing any session in the final program. Changes to the program will be published in the website on a regular basis.						

Honour Lectures

Opening Honour Lecture

Monday June 17



Fracture and fatigue: From macro to nano scales and from engineered materials to biological systems

Professor **Subra Suresh** (Carnegie Mellon University, USA)

Presidential Honour Lecture

Wednesday June 19



Piezonuclear fission reactions produced by fracture and earthquakes: From the chemical evolution of our planet to the so-called cold fusion

Professor **Alberto Carpinteri** (Politecnico di Torino, Department of Structural, Geotechnical and Building Engineering, Italy)

Closing Honour Lecture

Friday June 21

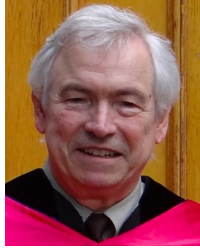


On the nano-toughening of polymers and fibre composites

Professor **Yiu-Wing Mai** (The University of Sydney, Australia)

Plenary Lectures

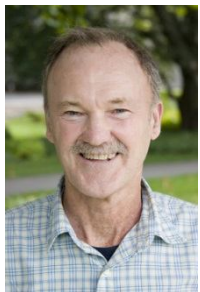
PL-01: Monday June 17



Control of the width of Antarctic ice streams by near-crack-tip processes in a creeping and partially melting medium

Professor **James R. Rice** (Harvard University, USA)

PL-02: Monday June 17



Recent Developments in Ductile Fracture

Professor **J.W. Hutchinson** (Harvard University, USA)

PL-04: Monday June 17



Deformation and Fracture in Nanotwinned Metals and Structures

Professor **Huajian Gao** (Brown University, USA)

PL-05: Tuesday June 18



Advances in Extended Finite Element Methods for Fracture and Heterogeneous Materials

Professor **Bhushan L. Karihaloo** (Cardiff University, UK)

PL-06: Tuesday June 18



Failure and Toughening at a Nano-scale

Professor **Wei Yang** (Zhejiang University, China)

PL-07: Tuesday June 18



Spatio-Temporal Nature of Scales in the Fracture Process

Professor **Yuri V. Petrov** (St.Petersburg State University, Russia)

PL-08: Tuesday June 18



Nonlinear, non-equilibrium and coupling in cyclic phase transition of solid

Professor **Qingping Sun** (The Hong Kong University of Science and Technology, Hong Kong, China)

PL-03: Wednesday June 19



Fracture Surface Contact in Fatigue

Professor **Reinhard Pippan** (University of Leoben, Austria)

PL-10: Thursday June 20



Simulation of Fracture Processes from Atoms to Snow Slab Avalanches

Professor **Peter Gumbsch** (Karlsruhe Institute of Technology, Germany)

PL-11: Thursday June 20



**Hydrogen Embrittlement Mechanism from the viewpoint of
Mechanics-Microstructure-Environment Interactions**

Professor **Y. Murakami** (Kyushu University, Japan)

PL-12: Friday June 21



Prognostics for High Temperature Component Reliability

Professor **Ashok Saxena** (University of Arkansas, USA)

PL-13: Friday June 21



Size effects on deformation behaviors of metallic single crystals

Professor **Jun Sun** (Xi'an Jiaotong University, China)