

**Sixth International Conference on
Nonlinear Mechanics
(ICNM-VI)**



**FIRST ANNOUNCEMENT
And
CALL FOR PAPERS**

**12-15 August, 2013
Shanghai, P. R. China**

<http://icnm6.shu.edu.cn>

BACKGROUND

The ICNM conference series was initiated in Shanghai in 1985 by Professor Wei-zang Chien, known as one of the four founders of the contemporary mechanics in



China. The previous five ICNM meetings were successfully held in Shanghai or Beijing in 1985, 1993, 1998, 2002 and 2007, respectively. For quite a long time, nonlinear mechanics has served as an important theoretical basis for the development of new technologies and has stimulated great research interests in diverse academic subjects, such as applied mathematics, theoretical physics, system biology, and others. Since the ICNM-V held in Shanghai in 2007, this field has been experiencing further remarkable advances and found its more extensive applications, in particular, in the areas of material technology, micro/nano-technology, biotechnology, energy technology and environmental engineering etc. Therefore, it is appropriate to organize a new conference on this vitally important area of applied mathematics and mechanics. The ICNM-VI aims to provide an international forum for presenting the latest results in nonlinear mechanics and stimulating wider academic exchange for experts in the related fields all over the world.

CONFERENCE CHAIRMAN

Zhe-wei Zhou

Professor and Director of the Shanghai Institute of Applied Mathematics and Mechanics

**INTERNATIONAL STEERING
COMMITTEE**

Antman, S.S.	University of Maryland, USA
Bai, Yilong	Chinese Academy of Science, China
Bhattacharya, K.	California Institute of Technology, USA
Chen, Shiyi	Peking University, China
Chong, K.P.	The George Washington University, USA
Gao, Huajian	Brown University, USA
Grimshaw, R.H.J.	Loughborough University, UK
Hsieh, Dinyu	Tsinghua University, China
He, Yousheng	Shanghai Jiaotong University, China
Hu, Haiyan	Beijing Institute of Technology, China
Kienzler, R.	University Bremen, Germany
Ladevèze, P.	Ecole Normale Supérieure de Cachan Laboratoire, France
Li, Jiachun	Chinese Academy of Science, China
Pomeau, Y.	LPS-ENS, France
Pope, S.B.	Cornell University, USA
Renardy, M.	Virginia Tech, USA
Reddy, J. N.	Texas A&M University, USA
van Campen, D.H.	Eindhoven University of Technology, Netherlands
Yang, Wei	Zhejiang University, China
Zaleski, S.	LMM, France
Zheng, Xiaojing	Lanzhou University, China
Zhong, Wanxie	Dalian University of Technology, China
Zhou, Heng	Tianjing University, China

FIRST ANNOUNCEMENT AND CALL FOR PAPERS

LOCAL ORGANIZING COMMITTEE

Chairman: Prof. Zhe-wei Zhou
Vice Chairman: Prof. Xing-ming Guo
Secretary General: Prof. Jun-qian Zhang
Vice Secretary General: Prof. Dong-qiang Lu
Secretary: Dr. Dan Zhang

OFFICIAL LANGUAGE

The language for the conference will be English.

SCOPE AND TOPICS

1. Nonlinear continuum mechanics
2. Nano- and micro-mechanics
3. Multi-scale and multi-physics modeling
4. Defects, phase transitions and microstructure evolution in materials and nonlinear deformation
5. Structural dynamics and structure-fluid interactions
6. Complex fluid flow and nonlinear waves
7. Turbulence and nonlinear stability
8. Nonlinear dynamics
9. Interface mechanics and free boundary problems
10. Biomechanics
11. Experimental mechanics and experimental techniques
12. Engineering application and miscellaneous

CALL FOR PAPERS

The conference will consist of plenary speakers, symposia on a variety of topics, invited and contributed papers, and a poster session. Prospective symposium organizers are invited to submit a proposal as soon as possible. The proposal should consist of a title, a description, a list of speakers and titles of their presentations. The Organizing Committee will review

FIRST ANNOUNCEMENT AND CALL FOR PAPERS

contributed symposia. The number of symposia may be limited to retain the level of parallelism in the meeting sessions. Participants who intend to contribute a paper to the conference are invited to submit an abstract of **300 words** to the local organizing committee before the due date. The abstracts should clearly state the purpose, results and conclusions of the work to be described in the final paper.

Abstracts may be submitted in one of the following ways (Online submission is preferred):

Way 1: Submit Online

Abstract may be submitted through this website by Online Submission System.

Way 2: Submit by E-mail

Send your abstract(s) and full papers to one of the Conference Secretaries via Conference E-mail:

icnm6@oa.shu.edu.cn

TIME SCHEDULE

Submission of Abstracts

1 December 2012

Notification of abstract acceptance

1 January 2013

Submission of full papers

1 March 2013

Final notification of acceptance

1 April 2013

PRE-REGISTRATION

Online pre-registration is preferred. Please finish pre-registration on the website:

<http://icnm6.shu.edu.cn>

If you wish to pre-register by e-mail, please download the Preliminary Registration from the above website,

FIRST ANNOUNCEMENT AND CALL FOR PAPERS

complete and return it to the conference secretaries (icnm6@oa.shu.edu.cn).

REGISTRATION FEE (include attending all the sessions of ICNM6, lunch, dinner, reception and banquet in Shanghai):

Before 31 May 2013: Professionals: 590\$
Students and Retirees: 400\$
After 31 May 2013: Professionals: 690\$
Students and Retirees: 450\$

(Accompanying spouse or friend: 200 \$)

FURTHER INFORMATION

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