



## 第五届国际非线性力学会议 会议通知

The International Conferences on Nonlinear Mechanics (ICNM-x) have been regarded as important series conferences in mechanics circles. The previous four meetings in the series were successfully held in Shanghai and Beijing in 1985, 1993, 1998 and 2002, respectively. In recent years, new achievements in this field have been made. Therefore, it is appropriate to organize a new conference on this vitally important area of applied mathematics and mechanics. The Fifth International Conference on Nonlinear Mechanics (ICNM-V) will be held in Shanghai. The Conference aims to provide an international forum for presenting the latest results and stimulating wider academic exchange for experts in the related fields all over the world.

### SCOPE AND TOPICS

1. Nonlinear continuum mechanics
2. Nano- and micro-mechanics
3. Multi-scale modeling
4. Modern analytical and numerical methods in nonlinear mechanics
5. Defects in materials and nonlinear deformation
6. Phase transitions and microstructure evolution in materials
7. Nonlinear coupling of electric, magnetic, thermal fields and deformation
8. Structural dynamics and structure-fluid interactions
9. Complex fluid flow, vortex dynamics and nonlinear waves
10. Turbulence and nonlinear stability
11. Nonlinear dynamics: solitons, bifurcation, chaos and complexity
12. Interface mechanics and free boundary problems
13. Biomechanics
14. Experimental mechanics and techniques
15. Engineering application and miscellaneous

#### CALL FOR PAPERS:

The conference will consist of plenary speeches, mini-symposia on various topics, invited and contributed presentations, and poster sessions. Participants who intend to contribute a paper to the conference are invited to submit an abstract of 500 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. We strongly encourage the submission of abstracts by electronic mail.

Prospective mini-symposium organizers are invited to submit a proposal as soon as possible. The proposal should consist of a title, an outline, a list of speakers and titles of their presentations. The organizing committee will review the proposals of mini-symposia. The number of mini-symposia may be limited to retain the level of parallelism in the meeting sessions.

OFFICIAL LANGUAGE: The language for the conference will be English.

#### IMPORTANT DATAS:

Submission of Abstracts and Symposium proposals: As soon as possible

Notification of Acceptance: 1 October, 2006

Submission of Full Papers: 1 January, 2007

Final Notice of Acceptance: 1 February, 2007

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