

2007 年国际计算力学研讨会 暨国际华人计算力学协会成立大会

2007 年 7 月 30 日至 8 月 1 日
北京昌平九华山庄

预通知

计算力学目前在国际上方兴未艾。其方法和理念正向广泛的领域推广，如生物、医学、物理、化学等。国际国内从事计算力学的华裔科研技术人员、大学教师、研究生是这支队伍的主力之一，有数万人之多。计算力学在科学计算、工程应用中已经得到了广泛的发展。航空航天、汽车、石油、建筑、水利、化工、物理、生物医学工程无不用到计算力学。今年七月在洛杉矶召开的第 7 届世界计算力学大会就有 2000 人与会，仅大陆一地参会人员就有 139 人。

华人之间进行广泛的学术交流、增进国内外同行之间的合作，对中国国民经济的可持续发展和建设和谐社会，对增进两岸四地的交流和合作和世界华人的交流都有很大的作用。在今年第 7 届世界计算力学大会期间，已有六十位华人聚集一堂，对召开世界华人计算力学大会表现了强烈的渴求，并已建立了广泛的联系。基于以上共识，本人受大家委托筹备第一次会议。现将会议筹备工作汇报如下：

1. 第一次会议定于 2007 年 7 月 30 日至 8 月 1 日在北京昌平小汤山九华山庄举行。会议语言为中文和英文。会后组织西藏（飞机或火车）、新疆游。
2. 本会议拟办成系列会议，两年一次（奇数年），轮流在世界各地召开。
3. 拟成立“国际华人计算力学协会”（暂定名），并于第一次会议期间拟定协会章程、选举组织机构，建立网页。
4. 会议主题：

多尺度与多物理计算	纳米力学与数值模拟
无网格法与维度减缩算法	高性能计算
网格生成	计算流体动力学
计算结构工程与结构力学	计算材料科学
计算力学软件与 CAE	结构优化
反问题与耦合问题	非线性力学
等	

本次会议的论文提交和注册手续都通过会议网站在线进行。网址：<http://www.cacm.cn/iscm/>。

重要日期：

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|-------------------|---|
| 2007. 1. 15. | Call for paper, start to accept one page abstract |
| 2007. 4. 1. | Deadline for submission of Abstract |
| 2007. 4. 15. | Announcement of acceptance |
| 2007. 5. 15. | Deadline for full-length paper submission, Pre-registration start |
| 2007. 7. 1. | Deadline for pre-registration, Visa Application |
| 2007. 7.30~8. 1. | Conference |
| 2007. 8. 2.~8. 9. | Post Tour |

相信这次会议一定能取得圆满成功。

祝各位新年快乐。

北京大学教授 袁明武
2006.12.27.

**2007 International Symposium on Computational Mechanics
with the Establishment of
“Chinese International Association for Computational Mechanics”**

July 30-August 1, 2007
Jiuhua Spa & Resort, Changping, Beijing

**Preliminary Announcement (Dec. 27, 2006)
and
Call for Paper**

Motivation: Chinese is one of the major working groups in the field of computational mechanics. Now, this field is in developing rapidly and the wide application in sciences and technologies have already happened. To exchange the research results and promote the collaboration is beneficial to the economy progress of China and the establishment of the harmony society. Also there are a great chance to exchange the human resource between two side of the gorge and 4 regions and even the whole world. During the WCCM7, many of them expressed they are eager to participate this event. Meanwhile, the connection network has already established. I am pleased to organize the first conference. The success of this conference is expected for sure. The main frame of the planning conference is as follows.

1. The first conference will be held in Beijing from July 30 to August 1, 2007. The conference language will be both Chinese and English. The post tour for Tibet(either by train or airplane) and Xingjiang will be arranged.
2. The series conference will be continuously happened once for two years(odd year)
3. To establish “Chinese International Association on Computational Mechanics” is in plan. The constitution of the association and the organization will be discussed and elected during the coming conference. A website will be also established.
4. The topics of the First Conference are as follows.
 - ✓ Multiscale and Multi-Physics Computation,
 - ✓ Nano Mechanics and simulation,
 - ✓ Meshless/Meshfree Methods and Dimension-Reduction Methods,
 - ✓ High Performance Computing,
 - ✓ Mesh Generation,
 - ✓ Computational Fluid Dynamics,
 - ✓ Computational Structural Mechanics and Engineering,
 - ✓ Computational Material Sciences,
 - ✓ Software on Computational Mechanics and CAE
 - ✓ Structure Optimization
 - ✓ Inverse and Coupling Problems
 - ✓ Nonlinear Mechanics etc.

Now the conference website is in creating. Paper submission and the conference registration will be on line <http://www.cacm.cn/iscm/>.

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2007. 7.30~8. 1. Conference
2007. 8. 2.~8. 9. Post Tour

We believe that The 2007 Conference will be a great successful event.

Happy New Year.

**Mingwu Yuan
Professor, Peking University**