

**The US-China NSF Workshop of
Young Investigator Awardees in Bio and Nano Mechanics and Materials**
(Monitored and Guided by Dr. Ken P. Chong)

December 19 – 21, 2005

Boao (Sanya), Hainan Province, China

Nano mechanics and materials are playing an increasingly important role in biological and biomedical applications, such as biocompatible implant materials and novel materials for drug delivery. This new generation of bio materials has unique structures and properties and could revolutionize not only the medical practice in particular but also the life science and engineering in general. To promote the international collaboration among young researchers, the US-China NSF Workshop of Young Investigator Awardees in Bio and Nano Mechanics and Materials will be held in Boao (Sanya) during 19 – 21 December 2005, which is sponsored by both US-NSF and China-NSF, as well as Dalian University of Technology and Tsinghua University.

Presentations and papers are solicited in all the subtopics related to bio and nano mechanics and materials, which include but are not limited to the following:

1. Applications of nano and bio mechanics and materials
2. Impact of nanomaterials on human safety and health
3. Multiscale modeling and simulation in bio mechanics
4. Nanomechanics of biomaterials and composites
5. Nano-scale experiments in life science and engineering
6. Optimization of multiscale microstructures of biomaterials
7. Nanomaterials for drug delivery and treatment
8. Compatibility of nanomaterials with biological materials
9. Reliability of nanomaterials for biomedical applications
10. The interface between nano and bio mechanics

Both invited and contributed abstracts will be published in the workshop proceedings and posted on the website. The workshop participants are encouraged to submit full papers for possible publication as a special volume in an international journal after a peer-reviewed process.

Deadline

One-page abstracts are due by 1 November 2005, and the acceptance of the abstracts will be determined by 15 November 2005.

Contact Information

For US participants, contact Professor Zhen Chen via Email (chenzh@missouri.edu).
For China participants: contact Professor Guo Xu via Email (guoxu@dlut.edu.cn)

Workshop Website for Updated Information

<http://denm.dlut.edu.cn/050912/index.htm>