

BICTAM Annual Report 2013

(Beijing International Center for Theoretical and Applied Mechanics)

As one of the affiliated organizations of IUTAM, the Beijing International Center for Theoretical and Applied Mechanics (BICTAM) is an international non-governmental scientific organization. The main objectives of the Center are to improve the advancement of education, research and applications of mechanics and to establish of a platform of relevant scientists and graduate students, especially in the areas of Asia and the Pacific, through the organizations of conferences, symposia, workshops and summer schools for subjects falling within the field of theoretical and applied mechanics and interdisciplinary branches. Detailed information on BICTAM can be accessed under the BICTAM homepage: <http://www.bictam.org.cn/>

First BICTAM Symposium for Asia-Pacific Young Scholars

The first BICTAM symposium for Asia-Pacific Young Scholars on Mechanics was successfully held in Singapore during December 11 – 14, 2013. Jointly organized by BICTAM and CSTAM, the symposium aims at promoting academic exchange and cooperation among young scholars from different countries. The main topic of this symposium was computational mechanics of biological materials and cells. A total of over 40 participants from Australia, China, Hong Kong of China and Korea exchanged their newest research works in the field of computational biomechanics during the meeting.

26th International Tsunami Symposium

The 26th International Tsunami Symposium (ITS) of IUGG Tsunami Commission was held in Fethiye-Göcek, Turkey and Rhodes Island, Greece during September 25 – 28, 2013. This symposium provided a favorable venue for scientists, practitioners and decision makers, as witnessed by the wide distribution of countries and institutions and highest number of contributions in any ITS. 182 abstracts from 28 countries were submitted and reviewed. 130 abstracts were selected for oral and 18 for poster presentations. Following the success of the 1st Workshop on Natural Hazards-Tsunami in Beijing in 2012, as one of the sponsors of ITS2013, BICTAM provided funding support to assist eight scholars from Asia and Pacific region to attend this symposium.

Short Course on Micromechanics and Damage – Healing Mechanisms for Heterogeneous and Composite Materials

Invited by the Scientific Committee of the Center, Prof. J. Woody Ju from the University of California visited the Center and gave a series of talks entitled with “Micromechanics and Damage – Healing Mechanisms for Heterogeneous and Composite Materials” in two half-days in August of 2013. In this short course, recent advances in three innovative areas within the scope of micromechanics and damage-healing mechanics were reviewed. A total of over 200 senior students from

China participated in this course.

International Visiting Scholars Program

During the year 2013, six scientists from United States, United Kingdom, France, and Australia visited the Center as guest scholars. They worked at the Center for a period and closely contacted relevant scientists in China with common research interests and efficiently exchanged their most recent research achievements.

Other Events

During the year 2013 BICTAM took an active part in the scientific activities in the Asia and Pacific region.

- Supported the 14th Asian Congress of Fluid Mechanics as one of the Silver Sponsors.
- Sponsored the 13th International Conference on Fracture (ICF13), which was hold during June 19 – 24, 2014 at Beijing
- Co-hosted IUTAM Symposiums in 2013 in China (Recent Development of Experimental Techniques under Impact Loading, Xi'an, May; Dynamics of Extreme Events influenced by Climate Change, Lanzhou, September).
- Appointed the journal of Theoretical and Applied Mechanics to be the official publication of the Center from January of 2013.