

BICTAM Annual Report 2017

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(Beijing International Center for Theoretical and Applied Mechanics)

BICTAM Program in 2017 includes symposium, conference, workshop and BICTAM Master Lecture Series on Mechanics. These Programs mainly focused on hydrodynamics, aerodynamics, multiphase flows, rock mechanics and their applications in earthquake, tsunami, sandstorm, etc. Over 500 researchers and graduate students participated in these activities. In addition, two distinguished scholars, IUTAM secretary-general, Professor Henryk Petryk and CISM member, Professor C. Marchioli are invited for short visits.

Since November 2017, BICTAM has started Sino-Thai Bilateral Workshop for Young Scholars with Chiang Mai University, Thailand. Sino-Thai Bilateral Workshop serves as an academic exchange platform as well provides chances for collaboration between Chinese and Thai scholars. Together with “Asia-Pacific Youth Symposium”, “BICTAM Summer School”, “BICTAM Master Lecture Series on Mechanics”, this year, BICTAM stepped forward to our commitment to promote the development and application of mechanics in Asia and Pacific region.

Symposia

US-China Collaboration at SES 2017: Current states of shared scientific interests and opportunities for the future cooperation

July 25-28, 2017, Boston, U.S.

The Symposium at the 54th Annual Technical Meeting of the Society of Engineering Science (SES) attracted 60 participants from both China and U. S. It mainly focused on soft materials and structures, dynamics of solids and structures, mechanics of hierarchical and multifunctional materials.

BICTAM Master Lecture Series on Mechanics

September 12-14, 2017, Beijing, China

Professor Daniel Weihs from Israel Institute of Technology was invited to deliver lectures titled “Animal Group Motion in a Fluid Medium” and “Introduction of Program on Autonomous Systems in Israel Institute of Technology” at Institute of Mechanics (IM, CAS). Over 80 scholars and students from IM, CAS, Peking University, Beijing Institute of Technology, Beihang University attended the program.

Conference

The 2nd International Conference on Computational Engineering and Science for Safety and Environmental Problems

October 15-18, 2017, Chengdu, China

The topics of COMPSAFE 2017 included computational mechanics, computational

engineering & science technologies and their applications related to safety, risk and disaster prevention etc. This conference gathered over 230 scientific researchers and engineers from Japan, the United States, the United Kingdom, Germany in the computational mechanics and engineering community to exchange innovative ideas and upgrade software tools for solving such complicated safety-related and environment problems.

Workshop

Sino-Thai Bilateral Workshop for Young Scholars in Theoretical and Applied Mechanics 2017

October 31-November 3, 2017, Chiang Mai, Thailand

The workshop is co-organized by BICTAM and the Faculty of Engineering, Chiang Mai University (CMU). Nearly 50 participants from more than 20 universities and institutes attended this activity, which has further enhanced the mutual understanding between scholars from two countries.

Report composed by Xiaoyan Wang