BICTAM Annual Report 2020 (Beijing International Center for Theoretical and Applied Mechanics)

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BICTAM promotes the development and application of mechanics and related interdisciplinary branches in the Asia-Pacific region and around the world via conferences and publications. In 2020, the COVID-19 global pandemic poses a major challenge to the Center. Several conferences were postponed to 2021 or held virtually.

Seminar on Intelligent Simulation and Control of Mechanics of Complex Systems

The Seminar was held in Beijing, China on 28-29 October 2020. It consisted of 20 keynote lectures focused on artificial intelligent simulation methods and their applications in modeling and control of complex system mechanics, as well as important engineering fields. The event provided an important platform for the intensive exchange among researchers in the field of mechanics of complex systems. More than 100 participants attended the Seminar in-person. It also attracted over 300 viewers on its online platform.

The 1st BICTAM-CISM Symposium on Dispersed Multiphase Flows: From Measuring to Modeling

The Symposium, initially scheduled for 4-6 March 2020, was successfully held online on 2-5 March 2021. More than 70 experts and scholars from 12 countries attended the Symposium on ZOOM platform. The live streaming platform attracted over 1,100 views from 23 countries around the globe. The event consisted of 8 keynote lectures and 53 regular lectures of the topics related to a wide selection of topics in the broad area of dispersed multiphase flows. The Symposium provides an opportunity to promote the exchange and sharing of achievements and ideas of dispersed multiphase flows between experts from Asia and Europe. The 2nd BICTAM-CISM Symposium will be held in Udine, Italy in 2023.

Official Publication of BICTAM: *Theoretical & Applied Mechanics Letters* (TAML)

TAML provides fast publication of letter-sized articles and invited reviews within 50 days, which greatly shortens the time for publication and guarantees that articles will be read when they are still fresh and valuable. TAML has published a total of 59 articles in 2020, including special issues of Computational Granular Mechanics and Mechanistic Machine Learning.

Report composed by Yewen Zhang