



Center for Applied Physics and Technology, Peking University

Location

COE Building No. 1
Peking University
Beijing, China

Further Information: <http://capt.pku.edu.cn>

Overview

The Center for Applied Physics and Technology (CAPT) was founded on December 23, 2007, chaired by renowned Chinese theoretical physicist, Academician Xian-Tu He. It is one of the major research centers on high energy density physics in China, and caught attention among the international academic community. CAPT is dedicated to substantiate the fundamental researches for national major demands such as inertial fusion energies, to probe into challenging scientific research frontiers of high energy density physics, to promote academic interactions both domestic and international, and to train and educate devoted and innovative young scientists.



Key Contact

Professor Xian-Tu He
Academician, Director, Center for Applied Physics and Technology
Telephone: +86-10-62753944
E-mail: xthe@pku.edu.cn

Research Foci

- High energy density condensed-matter physics including warm dense matter physics, etc.;
- Exploration and computational design of new materials with novel properties;
- Atomic physics in the field of intense lasers;
- Energetic charged-particle acceleration physics under strong fields;
- Laboratory astrophysics;
- Laser-plasma physics;
- Hydrodynamic instabilities and compressible turbulence;
- Scientific computing relevant to the above subjects.