

北京大学

PEKING UNIVERSITY

Dear Professor Mourou

By this letter we want to express our enthusiasm to join the International Zetta-Exawattcenter IZEST, which was created a year ago (Nov29th 2011) under the initiative of the ECOLE POLYTECHNIQUE and the COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES. This letter of support will be replaced within six months by an MOU between IHIP and IZEST. The IHIP, subscribe fully to IZEST mission that is:

1. to definite novel laser architectures and road map of the next generation of ultra high peak power/Intensity and also the High average power lasers.
2. to facilitate the scientific and technical coordination among members of the international scientific community eager to discover new paradigms under pinned by extreme high intensity lasers. Particular attention will be devoted to:
 - prompt acceleration
 - high energy fundamental physics, physics beyond the Standard Model
 - vacuum structure
 - dark matter search
 - TeV Astrophysics and to the development of very high intensity lasers.
 - societal application like proton therapy, nuclear transmutation.

The Institute of Heavy Ion Physics (IHIP) funded by the Peking University (China) is one of pioneering lab in accelerator physics at China. IHIP contribution to IZEST will be in the areas of:

- novel sources of high energy radiations and particles
- application of laser plasma accelerator
- TeV particle acceleration

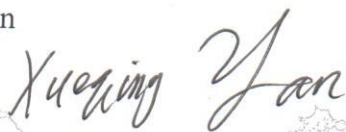
The IHIP will actively seek State and National funding in the IZEST's relevant area of interest.

IHIP is expected to be an active member of the participant council formed by the heads of the IZEST supporting laboratories. By meeting twice a year the participating council will help to define IZEST's strategy before it is submitted for approval by the steering committee composed of the Ecole Polytechnique and the CEA. The participant council provides also constant scientific and technical guidance to its management.

Lastly, it is IHIP intention to participate at the first Participant Council that will be held at the next IZEST Conference on Laser-based High Energy Physics at Strathclyde, Scotland on Nov.12, 2012.

Sincerely

Xueqing Yan



IHIP, Peking University