

# Report on ASHULA travel

## The University of Science and Technology China

### March 2012

T. Yabuuchi (Osaka University)

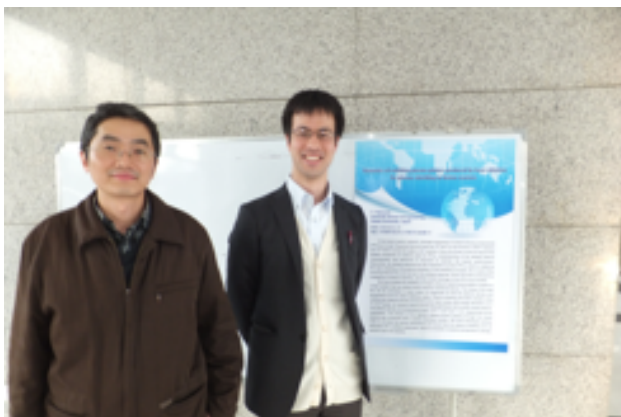
Prof. K. A. Tanaka and myself (T. Yabuuchi) visited Prof. Jian Zheng and his research group in the University of Science and Technology of China (USTC) on March 25, 2012 supported by ASHULA program. The university is located in the downtown of Hefei in Anhui province in China.

During our visit to the university, I have gave a seminar on our research, which was followed by the overview introduction of ASHULA program by Prof. Tanaka. Titles of these presentations are followings.

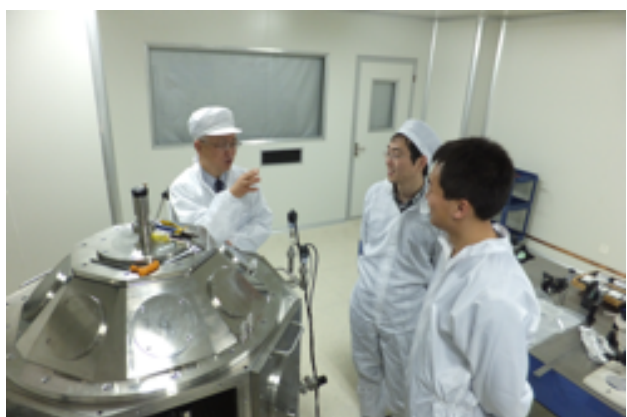
1. T. Yabuuchi: “Dynamics of Colliding Plasma Plumes Produced by Laser Ablation for Plasma Shielding in Fusion Reactors”
2. K. A. Tanaka: “Asian Core Program for High Energy Density Science Using Strong Laser Photons: ASHULA”

We have took a tour in Basic Plasma Physics Labs and discussed on our future collaborations. We have introduced their short pulse laser system, which is currently under development and will be operational in a couple of months. The short pulse laser will be synchronized with a long pulse laser. Researchers in USTC explained the diagnostics and laser pulse monitor for experiments.

Discussions on future collaborations were conducted with professors and scientists in the group of Prof. Zheng. After information exchanges about recent research progresses and experimental facility situations in Japan and China, we discussed not only the experimental or computational researches but also students exchanges between Osaka Univ. and USTC to strengthen the collaboration.



T. Yabuuchi with Prof. J. Zheng in front of the notice panel about his seminar at USTC



Prof. K. A. Tanaka discussing with researchers of USTC next to the target chamber in the intense laser lab.