Report on European Summer School & 2nd Japanese-German Student Workshop

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This European Summer School provided me not only plenty of opportunities to communicate with other students and scholars about plasma experiments, but also a large number of beneficial lectures on plasma science. For me, this Summer School was an excellent opportunity to learn about plasma physics, atomic processes, electron kinetics, plasma diagnostics, etc; these lectures can prepare me with an overall knowledge on plasma science. Meanwhile 2nd Japanese-German Student Workshop after the summer school was an ideal platform to learn other people's presentations and introduce my own experiment on laser triggered Sn fueled discharge produced plasma (DPP) extreme ultraviolet (EUV) source to the attendee. The discussion and advices really help me understand my experiment much better, which is very helpful for my future research.

Although both the European Summer School and the workshop mainly focused on low temperature and my experiment lies in the field of thermal plasma; the fundamentals, especially discharge mechanism and diagnostic of low temperature plasma are applicable for high temperature plasma as well.

For example, the lecture of Gas Discharge Plasma delivered by Prof. Lieberman in University of California, Berkeley showed us an overall view of the fundamental of gas discharge plasma and the principle of generation. And the series of lectures on Plasma Diagnostics (Measuring the Electron Density and Ion Flux; Basics of Plasma Spectroscopy; Advanced Optical Diagnostics; Molecules and Radicals.) was really helpful to my experiments.

What I must mention is the tour to visit the plasma

laboratories in the Buhr University Bochum. With theirs experimental setups we communicated much more efficiently with each other. I have learnt very much about their methods of plasma diagnostics.

In sum, the plasma lectures and discussion platform provided by the European Summer School and the 2nd Japanese-German Student Workshop greatly broadened my horizon on plasma science and technology and at the same time, helped me obtain an in-depth insight towards my experiment. All of these will definitely benefit to my future research.