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

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Through this program, which was entitled "European Summer School & 2nd Japanese-German Student Workshop", I got the chance to get an insight in the fundamentals of Plasma physics and learn about some of the internationally most advanced research going on in the field of Plasma Physics. This valuable experience helped me to place my own research in a larger context.

The first half of the European Summer School was held at the "Physikzentrum Bad Honnef" while the second half of this program, the "2nd Japanese-German student Workshop", was held at the Ruhr University in Bochum.

Many students from all over the world participated in the European Summer School entitled 'Low Temperature Plasma Physics: Basics and Application'. In this program, renowned professors gave lectures, in addition, a poster session for students was held. In the first part of the lecture, many informative talks about plasma fundamentals (ex. Microwave-induced plasma, inductively coupled plasma, capacitive coupled plasma, optical diagnostics, fluid modeling, etc.) and the applications of Plasma Physics were held. Through these lectures, I could deepen the knowledge I had acquired before and, at the same time, get more in-depth knowledge about Plasma Physics. In the poster session, the participants presented their research and their topics were actively discussed. Many participants gave me their valuable comments and suggestions concerning my own research

In the second part, entitled master class on "The Physics and Technology of Fusion Plasma", some topics of fusion plasmas were lectured. In addition to the fundamentals (optical diagnostics, fusion reactors etc.) of this field, cutting-edge research and the problems related to it were discussed here.

Further discussions among the participants and lecturers from the all over the world about not only their researches but also their cultures were fostered during coffee breaks and dinner time. I experienced a very valuable time which extended and developed my knowledge.

The last part, the "2nd Japanese-German Student Workshop", was held at the Ruhr University in Bochum and some students from Japan and Ruhr University took part in this program. This program consisted of three parts; presentations by all students participating, a laboratory tour in the Ruhr University (Experimental Physics II, V and Electrical Engineering Departments), and finally a tour to

Dusseldorf.

During and after the different presentations, there were many interesting comments brought up which led to fruitful discussions. I learned not only about the contents of their work, but also the attitudes of the researchers in the Ruhr University in Bochum. This was also a chance to learn a lot of things about Plasma Physics for me.

We could have a look at their research equipment, as well as learn about their research topics. Their approaches to their research and well thought out-equipments were very impressive for me.

In the Dusseldorf tour, we visited the House of Parliament, the Rhine Tower churches, etc. and walked through the old town while being taught about the history of Dusseldorf. The old streetscapes and buildings were appealing to me.

Through the European Summer School & 2nd Japanese-German Student Workshop, I developed and further extended my knowledge about Plasma Physics and experienced a very valuable time, which will help me to become an internationally active researcher. I deeply acknowledge the JSPS International Training Program for giving me this valuable chance and their generous support. I am sure that this program will be very effective for training Japanese students and researchers to become internationally active and capable researchers.