The DR Student Business Trip Report

Fourteenth International Conference on Nuclear Engineering (ICONE14), July 17~20, 2006, InterContinental Hotel, Miami, Florida, USA.

ISMAIL (04D19135)
Prof. Sekimoto Laboratory

ICONE14 was held in InterContinental Hotel, Miami, Florida, USA; in July 17 ~ 20, 2006. It was organized by the American Society of Mechanical Engineers (ASME). The participants were from several kinds of institution of many countries, such as University, Research Center and Nuclear Industries.

According to my plan, I attended all four days of the conference. I did my Oral-Presentation in 2nd day, Tuesday (July 18, 2006) at 02:00 ~ 04:00 PM. The session title is 4-1 "Nuclear Power in the Future, New Plant Concepts", chaired by **Romney Duffey** of Atomic Energy of Canada Limited (AECL), Chalk River, Ontoria, Canada.

I was the last presenter of the total of four presenters. The following are the detail of the session :

4-1 : <u>Nuclear Power in the Future, New Plant Concepts</u>

Session Chair : Romney Duffey, AECL, Canada

ICONE14-89062 : ACR-1000 Passive Features
Boris Lekakh et.al., AECL, Canada

ICONE14-89133 : Potential Advantages of Underground Nuclear Parks
Wes Myers et.al., LANL, USA

ICONE14-89743 : Is Nuclear Power Also the Key to Economically Clean Coal Gasification ?
Jay Kunze et.al., Idaho State University, USA

ICONE14-89140 : Systems of Symbiotic Large-FBRs and Small HTGRs with Both Natural Uranium and Thorium

There were a question and a comment both from the Chair in my presentation. There were relatively very common comment and question, i.e. about why we choose thorium fuel and that kind of symbiotic system, between FBRs and HTGRs.

In the conference, during out of my session, I attended some selected sessions according to my interest. Most the attended sessions are about fast reactor, high temperature reactor, fuel cycles and safety aspects of nuclear reactor.

In the last day, Thursday (July 20, 2006), I joined to the Student Technical Tour. In the tour, we visited St. Lucie Nuclear Plant that belongs to Florida Power and Lighting (FPL) company.

In the Plant, we were explained by the owner about many things of their company activities. And we were also showed about : How they train the public around the plant about what nuclear power plant is, in the FPL's Training Center. There are many educational scientific accessories about nuclear science and engineering at the center provided for common people and children education. All of the educational facilities are very important to achieve a good public acceptance of their power plant.

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