

COE-INES Business Trip Report

The 4th Asian Specialist Meeting on Future Small Sized LWR Development 出張報告

出張期間：2007 年11 月11 日～11 月16 日

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出張先：Pathumwan Princess Hotel, バンコック , タイ

The fourth Asian Specialist Meeting on Future Small Sized LWR Development was held on Nov. 11-14 in Pathumwan Princess Hotel in Bangkok, Thailand. There were more than 30 participants coming from Japan, Thailand, Indonesia and Vietnam. The purpose of this meeting is to promote the development of nuclear energy in Thailand, Indonesia and Vietnam. Recently, Thailand, Indonesia and Vietnam are planning to introduce the first nuclear power plant in 2020 to meet their energy requirement for economy development. Before introducing the first nuclear power plant, they are planning to construct a small-sized LWR for research.

About one third of the meeting program was spent for discussing about the situation and preparation for nuclear energy of the three Asian countries. According to their presentations, many issues are pointed out such as policy, work force, and so on. In Nov. 12-13, there were 4 sessions of small reactor concept. The presenters came from Tokyo Institute of Technology, Nuclear Fuel Transport Co. Ltd, Toshiba Corporation Mitsubishi Heavy Industries Ltd, Hitachi-GE Nuclear Energy Ltd, JAEA, etc.

I contributed a poster presentation in this meeting. (Fig. 1) The title was “Optimization of burnable poison loading in pebble bed HTGR cores with OTTO refueling”. In this study, an attempt has been done to eliminate the problem of the high power peaking factor in pebble bed cores with OTTO refueling. The results will contribute to improve core performances and high safety level while simplifying plant system by the lack of fuel handling system.

During this meeting, I and two other students of Tokyo Institute of Technology had a lot of time to talk with some Thai students of Chulalongkorn University. We had dinner together and they told us many things about Thailand and Chulalongkorn University. It was really an interesting time for me. (Fig. 2)

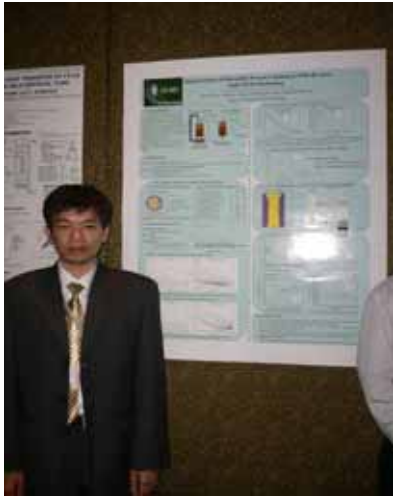


Fig. 1 Poster presentation Fig. 2 Enjoying a dinner and talking with Thai students

In this meeting, I met Dr. Hoang Anh Tuan from Vietnam Atomic Energy Commission and prof. Duong Ngoc Hai from Institute of Vietnam Academic Science and Technology. We talked about the development plan of nuclear energy in Vietnam. I explained them my study and my poster presentation. We also talked about job opportunities and they suggested me some places where I should work for when I return to Vietnam.

Overall, I consider this business trip as a great chance to witness the situation of the nuclear development in Thailand, Indonesia and Vietnam. I am thankful to COE-INES for supporting me to participate this meeting.