

The DR Student Business Trip Report
Tokyo Tech COE INES ~ Indonesia International Symposium :
“ The Prospect of Nuclear Energy in Indonesia ”,
March 1 ~ 5, 2005, Grand Aquila Hotel, Bandung, Indonesia

ISMAIL (04D19135)
Prof. Sekimoto Laboratory

The Symposium was held in Grand Aquila Hotel, Bandung, West Java, Indonesia on March 2 ~ 4, 2005. It was the collaborated Scientific Meeting between Japan and Indonesia on Nuclear Energy Science and Engineering. The participants are from several following institutions of the two countries,

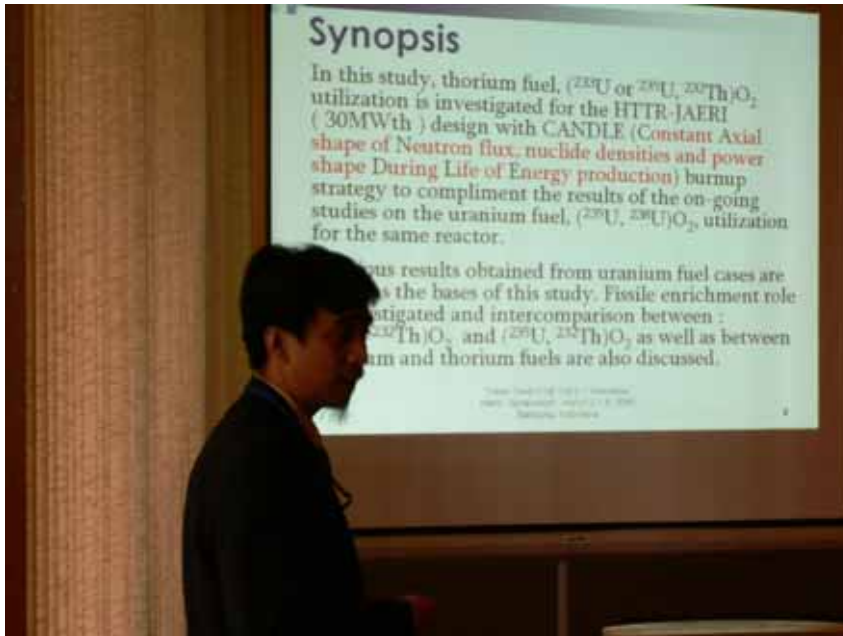
- Research Laboratory for Nuclear Reactors, Tokyo Tech. (TITech) of Japan
- Japan Atomic Industrial Forum, The Indonesia Office, of Japan
- The Institute of Applied Energy of Japan
- Reactor Physics Laboratory, Department of Physics, Bandung Tech. (ITB) of Indonesia
- Department of Nuclear Engineering, Gadjah Mada University of Indonesia
- The National Nuclear Energy Agency (BATAN) of Indonesia
- The Nuclear Energy Regulatory Agency (BAPETEN) of Indonesia

In the event, there were three Plenary Session included the Opening Ceremony. Some Keynote Speakers were invited to the session. They are the VIP (Very Important Person) of the collaborated institutions from the countries,

- Prof. Hiroshi Sekimoto, The Leader of Tokyo Tech, COE~INES
- DR. Sedyartomo Soentono, The Head of BATAN
- DR. Mukaiyama of JAIF (Indonesia Office)
- DR. Azhar Djalois, The Head of BAPETEN
- DR. Hudi Hastowo, The Head's Deputy of BATAN

All Indonesian invited speakers talked about the prospect of the near future for nuclear energy implementation included human resources development, regulatory preparation and political will and commitment of the Indonesian Government. BATAN's keynote speaker said that Indonesian nuclear community has been trying to introduce the First NPP (Nuclear Power Plant) in Indonesia by 2016 and they realized that the urgent achievement point for the preparation is the final economic and political decision from the Government that should be made by 2008. However, the big problem on the issue is the on-going economic and political crisis and low level of public acceptance about nuclear energy implementation in Indonesia.

Three parallel sessions were also conducted for discussing many research outcomes on Nuclear Science and Engineering field of both countries. I did my oral presentation in Parallel Session-I (Room-B) on the 2nd day afternoon with a title : **Feasibility Study of Thorium Fuel Utilization on HTGRs with CANDLE Burnup Strategy**. There were six presenters in the session, two from Japan and four from Indonesia. All presenters talked about the innovative reactor concept.



In the last day, before Closing Ceremony, it was conducted Panel Discussion with four panelists, two Senior Nuclear Scientists/Engineers and two Students of Nuclear Engineering field of both countries. The session discussed about (i) Education in Nuclear Science and Engineering

field and (ii) how should the nuclear engineering student feel attractive to the field and construct a good vision for the future.

I asked one question to the Indonesian panelist, he was a former Head of BATAN, it was : **As we know, Indonesia has several National/Governmental Energy Agencies but so far there is no integrated energy policy among them. In my opinion, it is a big problem for the national energy implementation program in the country. Could you express your opinion or experiences about it ?** Unfortunately, he did not give comprehensive answer for the question.





Two additional programs were also held in the last day afternoon for all Japanese participants. The first activity was a visiting program to one of BATAN's Research Reactor (TRIGA MARK 2000kW) in Bandung area. The reactor is usually used for irradiation of testing material of many radioactive researches. And finally, we visited an ITB's Teleconference facility in Inter

University Research Center building inside ITB's area. The last visiting activity was held to see a possibility for conducting distance learning or virtual academic meeting between Tokyo Tech and ITB using the facility.

