

# Tsuruga Summer Institute on Nuclear Energy 2008

—Report—

**1. Date : September 8, 2008 (Mon) – September 12, 2008 (Fri)**

**2. Students : Total 43 students**

- 20 students from Fukui University;
- 4 students from Fukui University of Technology;
- 6 students from Kyoto University;
- 4 students from Osaka University;
- 1 student from Kinki University;
- 2 students from Kobe University;
- 1 student from Toyama University;
- 1 student from Tokyo Institute of Technology;
- 3 students from Musashi Institute of Technology
- 1 student from Shizuoka University;

### **3. Contents**

(1) “Lectures”

4 lectures

- Energy Situation of Japan and Contribution of FBR (JAEA),
- Safety of LWR and Public Acceptance (INSS)
- Ways of thinking FBR Safety (JAEA)
- Concept of FBR (Fukui Univ.)

(2) “Practical Trainings”

- Simulator Operation
- Sodium Handling Technology,
- Nondestructive Testing Technology

(3) “Topics”

- English Discussion: Public Acceptance of Nuclear Energy
- Discussion with MONJU researchers and technicians: Qs and As, and discussions concerning overall “MONJU”
- Introduction of IAEA Activities (JAIF)

(4) “Facility Visits”

- MONJU
- Mihama NPP”
- Tsuruga NPP No. 3 & 4 units (under construction)
- Decommissioning Center Fugen
- Wakasa-wan Energy Research Center

(5) "Lecture for Opening to the Public"

- Development Program in Japan towards Commercialization of Nuclear Fuel Cycle

Speaker: Mr. T. Yanagisawa (Special Adviser of JAEA)

- Energy situation and scheduled introduction of nuclear power generation in Indonesia

Speaker: Mr. ADIWARDJO (Badan Tenaga Nuklir Nasional (BATAN)/ National Nuclear Energy Agency)

- Japan's nuclear technology developments and oversea operation

Speaker: Mr. Yasuo Komano

(Mitsubishi Heavy Industries Ltd.)

- Development Program of Innovative Reactor Systems in the World

Speaker: Mr. Renault, F. Carre

(CEA, Nuclear Energy Division, France)

#### 4. Summary

This is the 3<sup>rd</sup> time, and 43 students from 8 universities in Kansai/Chukyo/Tokyo areas in addition to 2 universities in Fukui Prefecture. The number of students is the largest ever (34 students in 2006, 38 students in 2007), and it shows that this summer institute has become established as a significant educational and training activity.

TSINE consists of 1) "Lectures", 2) "Practical Trainings", 3) "Facility Visits" and 4) "Topics".

- 1) "Lectures" part had 4 lectures.
- 2) "Practical Trainings" part includes "English discussion", 3 types of "trainings" at training facilities.
- 3) "Facility visits" are done at actual nuclear power plants.
- 4) We also provided some programs to have a wide range of learning on nuclear energy such as "Lecture for Opening to the Public" by speakers from overseas and Japan. We added a new topic program "Discussion with MONJU researchers and technicians" to learn "MONJU" which will restart in this fiscal year.

According to the overall questionnaire, 42 out of 43 students answered "Satisfied (26 students answered "Excellent" and 4 students answered "Very good")". We can suppose this institute was well-received in.

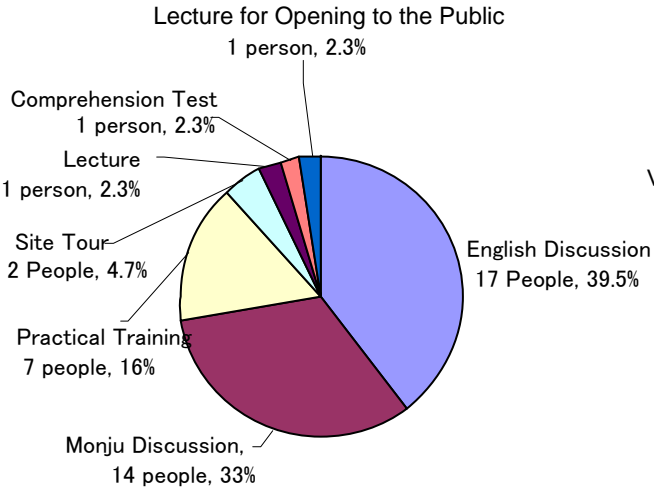
According to the questionnaires of each lecture and training:

What is the "most impressive" and "most useful" plan in the TSINE 2008?

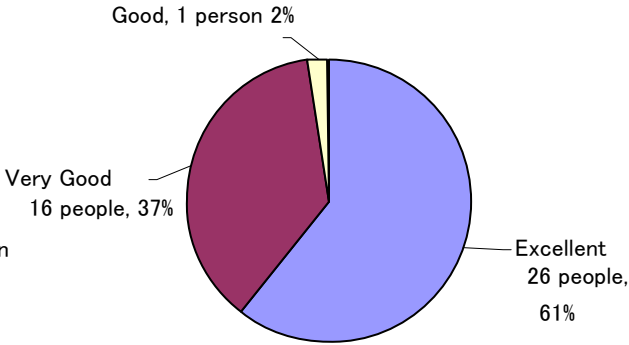
1. English Discussion (17 students answered)
2. Discussion with MONJU researchers and technicians (14 students answered)
3. Practical Training (7 students answered)

We verified that the students greatly wanted the programs above, which they cannot experience at school.

**The “most impressive” and “most useful” program**



**Overall Evaluation**



**6. Pictures**



【Lecture (Concept of FBR)】



【English Discussion】



【Discussion with MONJU researchers and technicians】



【Practical Training】



【Site Tour: MONJU】



【Site Tour: Tsuruga NPP No. 3 & 4 units (under construction)】



【Lecture for Opening to the Public】



【Group Photo】