

## COURSE PROSPECTUS

### Special Educational Course on Nuclear Engineering for Installation, Operation and Regulation of Nuclear Power Plant

By

Japanese University Network for Global Nuclear Human Resource Development  
(JUNET-GNHRD)

#### Introduction

Bandung Institute of Technology in collaboration with the Japanese University Network for Global Nuclear Human Resource Development (JUNET-GNHRD) will organize the inaugural Special Education Course on Nuclear Engineering for Installation, Operation and Regulation of Nuclear Power Plant, to be held at Bandung Institute of Technology from 15 – 19 October 2012.

The objective of the course is to provide nuclear power education to participants who are currently or will be related to the installation, operation and regulation of a nuclear power plant. This course is also intended to learn from the Japanese experiences in developing their nuclear power plant projects in their country. Through this course, the participants are expected to disseminate the information gathered to their peers, colleagues and nuclear power community in Mongolia.

This Program consists of lectures, including questions and answers sessions, and is open to researchers, scientists, engineers, academicians and students from Governmental Agencies, Private Sectors, Industries, Universities and NGO's.

#### Tentative Curriculum Schedule

### October 15 (Monday)

9.00-9:30

Opening

By Prof. T. Obara, Tokyo Institute of Technology

By Vice Rector of Bandung Institute of Technology

9:45- 10:30

"Current Status of Nuclear Program and Research in Indonesia"

By Prof. Dr. Zaki Su'ud

10:30-12:00

"Nuclear Power Plant"

-Current Status and Perspectives-

By Prof. A. Kawahara

12:00 -12:30

Q&A

## **October 16 (Tuesday)**

08:30-10:00

“Reactor Physics”

By Prof. T. Obara

10:00-10:15

Break

10:15-11:00

Q&A

12:30-14:00

“Nuclear Reactor Core & Fuel”

By Prof. A. Nishimura

14:00-14:15

Break

14:15-15:00

Q & A

## **October 17 (Wednesday)**

08:30-10:00

“Nuclear Reactor Safety”

By Prof. Y. Himeno

10:00-10:15

Break

10:15-11:00

Q&A

12:30-14:00

“Accident of Fukushima Daiichi NPP”

By Prof. J. Sugimoto

14:00-14:15

Break

14:15-15:00

Q&A

## **October 18 (Thursday)**

08:30-10:00

“Reactor Thermal Hydraulics (Thermodynamics and Heat Transfer in Power Plants) “

By Prof. Y. Yoshizawa

10:00-10:15

Break

10:15-11:00

Q&A

12:30-14:00

“Nuclear Fuel Cycle & Nuclear Waste Management”

By Prof. K. Fukuda

14:00-14:15

Break

14:15-15:00

Q&A

## October 19 (Friday)

08:30-10:00

Presentations by Students

10:00-11:00

Closing Remarks

By Prof. T. Obara, Tokyo Institute of Technology

By Dr. Ferhat Aziz (Deputy Chairman of BATAN)

### Lecturers

The course will be conducted by 7 professors from Japanese University Network

1. Prof. T. Obara – Tokyo Institute of Technology
2. Prof. J. Sugimoto – Kyoto University
3. Prof. A. Kawahara– Tokyo Institute of Technology
4. Prof. K. Fukuda– Tokyo Institute of Technology
5. Prof. Y. Yoshizawa– Tokyo Institute of Technology
6. Prof. Y. Himeno– Tokyo Institute of Technology
7. Prof. A. Nishimura- Tokyo Institute of Technology

### Fee

**The course is free of charge. The organizer will provide coffee break but the lunch can be bought by participans in nearby area.**

### Application

Those who wish to participate in the program should fill the Application Form as in **APPENDIX I**. The Application Forms should reach **Organization** by fax or email no later than **October 10, 2012**. Please forward the Application Form to the Course Director;

Prof. Dr. Zaki Su'ud or Ms. Nuri Trianti  
Dept. of Physics, Faculty of Mathematics and Natural Sciences, Bandung Institute of  
Technology  
Tel : 0222500834 ext. 238, HP: 08122419204 (Zaki ), 08172324447 (Nuri)  
Fax : 0222506452  
Email : [szaki@fi.itb.ac.id](mailto:szaki@fi.itb.ac.id), [nuri.trianti@gmail.com](mailto:nuri.trianti@gmail.com)

**APPLICATION FORM**

**Special Educational Course on Nuclear Engineering for Installation, Operation and  
Regulation of Nuclear Power Plant**

**Date : 15 – 19 October 2012**

**Venue : Bandung Institute of Technology**

**Title** : \_\_\_\_\_

**Name** : \_\_\_\_\_

**Organization** : \_\_\_\_\_

**Address** : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Tel** : \_\_\_\_\_

**Fax** : \_\_\_\_\_

**Email** : \_\_\_\_\_

\*\*Maximum of 50 participants will be accepted and application is based on first come first serve basis.

\*\*Confirmation will be sent upon payment clearance and receipts will be issued during on-site registration.