



東京工業大学 国際原子力人材イニシアティブ事業

原子力イノベーター養成プログラム

Tokyo Tech Nuclear Innovator Cultivation Program



東京工業大学
Tokyo Institute of Technology

2024/05/14

NUCLEAR INNOVATOR CULTIVATION CAMP: NICC2024

PROGRAM

SUBJECT TO CHANGE

SUNDAY, JULY 28, 2024

Leave the US for Japan (Participants from the US)

MONDAY, JULY 29, 2024

Arrive in Tokyo and Check-in at the hotel*TBA

TUESDAY, JULY 30, 2024

Get together at [Tokyo Tech Ookayama Campus](#)

09 : 30

Opening Ceremony

10 : 00

Opening Keynote

Current Status and Future of Nuclear Development in Japan

Dr. Mitsuru UESAKA, Chairperson, Japan Atomic Energy Commission (JAEC)

11 : 30

Orientation

12 : 00

Lunch Break

13 : 00

Groupwork [Theme 1]

16 : 00

Presentation

18 : 00

Socialization

Dismiss and Return home/to the hotel

WEDNESDAY, JULY 31, 2024

Get together at Tokyo Tech Ookayama Campus

09 : 30

Lecture I

Current Status and Challenges of R&D for Decommissioning of Fukushima Daiichi Nuclear Power Station

Naoaki OKUZUMI, International Research Institute for Nuclear Decommissioning (IRID)

11 : 00

[Laboratory for Zero-Carbon Energy](#) Tour

12 : 00

Lunch Break

- 13 : 00 Groupwork [Theme 2]
16 : 00 Presentation
17 : 00 Dismiss and Return home/to the hotel

THURSDAY, AUGUST 1, 2024

- 09 : 00 Check-out at the hotel
 Head to Fukushima by bus
12 : 00 Lunch
13 : 00 Nuclear Facility Visit (TBA)
18 : 00 Arrive at the hotel
 (Check-in at the hotel in Fukushima)

FRIDAY, AUGUST 2, 2024

- 08 : 30 Check-out at the hotel
09 : 00 Visit Fukushima Daiichi NPS
12 : 30 Lunch
13 : 30 Head to Tokyo
17 : 00 Arrive in Tokyo
 Dismiss and Return home/Check-in at the hotel

MONDAY, AUGUST 5, 2024

- Get together at Tokyo Tech Ookayama Campus
09 : 30 Lecture 2
 Development of fundamentally safe Offshore Floating Nuclear Power
 Takafumi ANEGAWA, Advanced Float
11 : 00 Groupwork [Theme 3]
12 : 00 Lunch Break
13 : 00 Groupwork [Theme 3]
17 : 00 Dismiss and Return home/to the hotel

TUESDAY, AUGUST 6, 2024

- Get together at Tokyo Tech Ookayama Campus
09 : 30 Closing Keynote
 Future of Breed-and-Burn fast reactors
 Toru OBARA, Tokyo Institute of Technology

- 10 : 00 Presentation [Theme 3]
12 : 00 Completion Ceremony
 Dismiss and Return home/to the hotel

TUESDAY, AUGUST 7, 2024

Check-out at the hotel

Leave Japan for the US (Participants from the US)

GROUP WORK

Groups of three people will discuss given topics and make presentations on the results of the discussion. One of the members in each group is supposed to be a guest student from the US and the others be students or early career engineers or researchers in Japan.

THEMES OF GROUP WORK

[THEME 1]

Direction for the development of innovative nuclear reactors

- Each group examines the history of the development of nuclear reactors that have been constructed and presents the results. Reactor types covered; PWR, BWR, prismatic HTGR, pebble bed HTGR, heavy water reactor, sodium-cooled fast reactor.

[THEME 2]

Conditions for nuclear power that society expects to be realized

- Each group examines the conditions of nuclear power society expects to be realized and presents the results.

[THEME 3]

What should we develop in the future?

- Propose a project to develop a nuclear reactor. Presentations will be made on the proposed reactor's applications, concept, development roadmap, development budget, economics, and safety in light of the Fukushima accident.