



สถาบันเทคโนโลยีนิวเคลียร์แห่งชาติ  
(องค์การมหาชน)

กองบริหารงานวิจัย
เลขรับ 1003
วันที่ - 6 ก.พ. 2568
เวลา 14:27

มหาวิทยาลัยมหิดล
เลขรับ 3914
วันที่ - 4 ก.พ. 2568
เวลา 15:15

กองวิเทศสัมพันธ์

988
- 5 ก.พ. 2568
14:05

กองบริหารงานวิจัย

- 6 ก.พ. 2568

ที่ อว๕๔๒๓.๒/๒๖

๓๑ มกราคม ๒๕๖๘

เรื่อง ขอแจ้งประชาสัมพันธ์เชิญเสนอชื่อผู้สมัครเข้าร่วมโครงการ MEXT Nuclear Researchers Exchange Program FY2025

เรียน หัวหน้าหน่วยงานในเครือข่ายศูนย์วิจัยและพัฒนาพลาสมาและเทคโนโลยีนิวเคลียร์ฟิวชัน (Center for Plasma and Nuclear Fusion Technology: CPaF)

สิ่งที่ส่งมาด้วย ๑. คู่มือการสมัคร

๒. แบบฟอร์มใบสมัครเข้าร่วมโครงการฯ

๓. แบบฟอร์มเอกสารประกอบการสมัคร

สถาบันเทคโนโลยีนิวเคลียร์แห่งชาติ (องค์การมหาชน) ขอแจ้งประชาสัมพันธ์ หน่วยงาน Nuclear Safety Research Association (NSRA) ประเทศญี่ปุ่น เชิญเสนอชื่อผู้สมัครเข้าร่วมโครงการ แลกเปลี่ยน นักวิจัย MEXT Nuclear Researchers Exchange Program FY2025 รายละเอียดดังสิ่งที่ส่งมาด้วย

โครงการ MEXT Nuclear Researchers Exchange Program มีวัตถุประสงค์เพื่อสนับสนุนให้นักวิจัยจากภูมิภาคเอเชียตะวันออกเฉียงใต้ซึ่งอยู่ระหว่างการศึกษาระดับปริญญาโทหรือปริญญาเอกในสาขาการใช้พลังงานนิวเคลียร์เพื่อสันติ ได้เพิ่มพูนความรู้ทางด้านเทคนิคเฉพาะทางและปฏิบัติงานวิจัย ณ ประเทศญี่ปุ่น อันจะนำไปสู่การมีส่วนร่วมในการยกระดับความปลอดภัยทางนิวเคลียร์ของประเทศในภูมิภาคเอเชียตะวันออกเฉียงใต้ ในอนาคต โครงการ MEXT Nuclear Researchers Exchange Program 2025 เปิดรับสมัครนักวิจัยเข้าร่วมหลักสูตร จำนวน ๓ หลักสูตร ดังนี้

๑. หลักสูตร Forum for Nuclear Cooperation in Asia (FNCA) Research Course มีวัตถุประสงค์เพื่อให้นักวิจัยที่อยู่ระหว่างดำเนินโครงการวิจัยหรือกิจกรรมภายใต้โครงการ FNCA ได้ต่อยอดการทำงานวิจัย/กิจกรรมดังกล่าว

๒. หลักสูตร Individual Research Subject Course มีวัตถุประสงค์เพื่อพัฒนาศักยภาพของนักวิจัย สร้างความเชี่ยวชาญในสาขาที่เกี่ยวข้องกับการใช้รังสี (Radiation utilization) และโครงสร้างพื้นฐานด้านพลังงานนิวเคลียร์ (Nuclear power infrastructure)

และ ๓. หลักสูตร Basic Research Field Course มีวัตถุประสงค์เพื่อให้นักวิจัยและเจ้าหน้าที่ทางเทคนิคมีความรู้ความเข้าใจในสาขาต่างๆ ภายใต้โครงการ FNCA

/ สถาบันฯ...

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เรียน รองอธิการบดีฝ่ายวิจัย

ห้องรองอธิการบดีฝ่ายวิจัย

วันที่รับ 11 ก.พ. 2568

ด้วย สถาบันเทคโนโลยีนิวเคลียร์แห่งชาติ (องค์การมหาชน) และ  
หน่วยงาน Nuclear Safety Research Association (NSRA) ผู้ประสาน  
ประกาศรับสมัครนักวิจัยเข้าร่วมโครงการแลกเปลี่ยนนักวิจัย MEXT  
Nuclear Researchers Exchange Program FY2024 โดยเปิดรับ  
สมัครนักวิจัยเข้าร่วมหลักสูตร จำนวน 3 หลักสูตร ดังนี้ 1. หลักสูตร  
Forum for Nuclear Cooperation in Asia (FNCA) Research  
Course 2. หลักสูตร Individual Research Subject Course และ 3.  
หลักสูตร Basic Research Field Course

เห็นสมควรประชาสัมพันธ์ไปยังส่วนงานต่าง ๆ และขอให้ผู้สนใจ  
ดำเนินการ ดังต่อไปนี้

- 1.ดาวน์โหลดแบบฟอร์มใบสมัครและเอกสารที่เกี่ยวข้องได้จากเว็บไซต์  
<https://www.nsra.or.jp/int/iard/exchange.html>
2. ผู้สมัครเสนอคุณสมบัติ/ผู้อำนวยการกรอกข้อมูลและลงนามในเอกสาร  
Official Statement of Institute/Organization
3. ผู้สมัครส่งใบสมัครและเอกสารที่เกี่ยวข้องผ่านฝ่ายวิจัยส่วนงานต้น  
สังกัดมายังกองบริหารงานวิจัย ภายในวันที่ 28 กุมภาพันธ์ 2568 เวลา  
16.30 น. เพื่อเสนอลงนามในหนังสือนำส่งจากรองอธิการบดีฝ่ายวิจัย
4. ขอให้ผู้สมัครจัดส่งเอกสารฉบับจริงไปยังคุณวรดา จารุพูนผล ฝ่าย  
วิเทศสัมพันธ์และความร่วมมือสถาบันเทคโนโลยีนิวเคลียร์แห่งชาติ  
(องค์การมหาชน) และจัดส่งเอกสารฉบับสำเนาไปทางอีเมล  
worada.jar@tint.or.th ภายในวันศุกร์ที่ 7 มีนาคม 2568

กษิณฑ

(นางสาวสุนันทา พงษ์ศิริศักดิ์)

นักบริหารงานวิจัย

6 กุมภาพันธ์ 2568

อช

(นางศิริวัลย์ อัครเมธิน)

หัวหน้างานบริหารและส่งเสริมการวิจัย

ภกน ๖๖

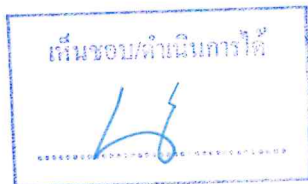
เวียนแจ้งทุกส่วนงาน  
งานบริหารเอกสารแจ้งเวียนแล้ว

13 ก.พ. 2568

นพ/นพ 11 กพ 68

(นางสาวมณีนรัตน์ จอมพุก)

ผู้อำนวยการกองบริหารงานวิจัย



(รองศาสตราจารย์ ดร.ยศชนัน วงศ์สวัสดิ์)

รองอธิการบดีฝ่ายวิจัย

งานบริหารเอกสาร ได้รับเรื่องคืน 11 ก.พ. 2568

วันที่ 13 ก.พ. 2568

(เวลา ๘:40 น.)

สถาบันฯ พิจารณาแล้ว เห็นว่าโครงการดังกล่าวเกี่ยวข้องและเป็นประโยชน์ต่อการดำเนินงานของหน่วยงานท่าน จึงเรียนมาเพื่อโปรดพิจารณาเสนอชื่อผู้สมัครเข้าร่วมโครงการฯ และส่งใบสมัคร เอกสารประกอบการสมัคร และรูปถ่ายผู้สมัคร ให้สถาบันฯ ภายในวันที่ ๗ มีนาคม ๒๕๖๘ จะขอขอบคุณยิ่ง ในการนี้ ได้มอบหมายให้ นางสาววรรดา จารุพูนผล ตำแหน่ง เจ้าหน้าที่วิเทศสัมพันธ์ สังกัด ฝ่ายวิเทศสัมพันธ์และความร่วมมือ ไปรษณีย์อิเล็กทรอนิกส์ worada.jar@tint.or.th เป็นผู้ประสานงาน

ขอแสดงความนับถือ



(รองศาสตราจารย์วัชชัย อ่อนจันทร์)  
ผู้อำนวยการสถาบันเทคโนโลยีนิวเคลียร์แห่งชาติ

ฝ่ายวิเทศสัมพันธ์และความร่วมมือ (นางสาววรรดา จารุพูนผล)

โทรศัพท์ ๐ ๒๔๐๑ ๙๘๘๙ ต่อ ๑๑๙๖

ไปรษณีย์อิเล็กทรอนิกส์ worada.jar@tint.or.th

## สำเนาแจ้งท้าย

๑. ผู้ว่าการการไฟฟ้าฝ่ายผลิตแห่งประเทศไทย
๒. ผู้อำนวยการสถาบันวิจัยแสงซินโครตรอน
๓. อธิการบดีจุฬาลงกรณ์มหาวิทยาลัย
๔. อธิการบดีมหาวิทยาลัยเกษตรศาสตร์
๕. อธิการบดีมหาวิทยาลัยขอนแก่น
๖. อธิการบดีมหาวิทยาลัยเชียงใหม่
๗. อธิการบดีมหาวิทยาลัยเทคโนโลยีพระจอมเกล้าธนบุรี
๘. อธิการบดีมหาวิทยาลัยเทคโนโลยีพระจอมเกล้าพระนครเหนือ
๙. อธิการบดีมหาวิทยาลัยเทคโนโลยีราชมงคลสุวรรณภูมิ
๑๐. อธิการบดีมหาวิทยาลัยเทคโนโลยีสุรนารี
๑๑. อธิการบดีมหาวิทยาลัยทักษิณ
๑๒. อธิการบดีมหาวิทยาลัยธรรมศาสตร์
๑๓. อธิการบดีมหาวิทยาลัยนครพนม
๑๔. อธิการบดีมหาวิทยาลัยบูรพา
๑๕. อธิการบดีมหาวิทยาลัยมหาสารคาม
๑๖. อธิการบดีมหาวิทยาลัยมหิดล
๑๗. อธิการบดีมหาวิทยาลัยแม่โจ้
๑๘. อธิการบดีมหาวิทยาลัยราชภัฏเพชรบูรณ์
๑๙. อธิการบดีมหาวิทยาลัยราชภัฏสุราษฎร์ธานี
๒๐. อธิการบดีมหาวิทยาลัยวลัยลักษณ์
๒๑. อธิการบดีมหาวิทยาลัยสงขลานครินทร์
๒๒. อธิการบดีมหาวิทยาลัยศรีนครินทรวิโรฒ
๒๓. อธิการบดีสถาบันเทคโนโลยีพระจอมเกล้าเจ้าคุณทหารลาดกระบัง



# The Nuclear Researchers Exchange Program FY2025

## - Invitation -

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### Attachment 1 Application Form

A. Application -----	(a)
A1. FNCA Research Course	
A2. Individual Research Subject Course	
A3. Basic Research Field Course	
B. Candidate's Statement -----	(b)
C. Official Statement -----	(c)
D. Medical Certificate -----	(d)

### Attachment 2 List of Research Subjects

- 2-1 FNCA Research Course
- 2-2 Individual Research Subject Course
- 2-3 Basic Research Field Course

Additional note for researchers who stay for more than three months

# **A. About The Nuclear Researchers Exchange Program**

## **Background**

The Nuclear Researchers Exchange Program welcomes nuclear researchers from neighboring Asian countries to Japan.

This program was established in 1985, in conjunction with the Japanese policy of promoting cooperation with neighboring countries, and was based on the decision of the Atomic Energy Commission in December 1984.

This program enables Asian researchers to obtain the state-of-the-art technical knowledge and to perform high grade research activities in Japan, for contributing to build up and to strengthen nuclear base and nuclear safety in each Asian country.

This Program is linked to the Forum for Nuclear Cooperation in Asia (FNCA) <sup>(\*)</sup>.

<sup>(\*)</sup> FNCA website: <https://www.fnca.mext.go.jp/english/index.html>

## **Basic Concept**

In this program, Japanese research institutes and universities accept Asian researchers studying and working in the field for the peaceful use of nuclear energy.

## **B. Invitation for Asian Researchers**

In FY2025, this program consists of 3 subject courses

- (1) FNCA Research Course
- (2) Individual Research Subject Course
- (3) Basic Research Field Course

## **(1) FNCA Research Course**

This Research course is set up for the researchers who currently engage in joint research and collaborative activities in the FNCA projects to advance their activities.

### **Invited Country** <sup>(\*)</sup>

Australia <sup>(\*)</sup>, Bangladesh, China, Indonesia, Kazakhstan, Republic of Korea <sup>(\*)</sup>, Malaysia, Mongolia, the Philippines, Thailand and Vietnam

(\*) FNCA member countries are invited.

(\*) Participation at own expense.

### **1. Research Category and Subject**

The Research Categories are directly linked to the FNCA 7 projects as follows. Applicants choose one research theme from the research theme list of FNCA Research Course. **(Attachment 2-1).**

1. Mutation Breeding (\*)
2. Radiation Processing and Polymer Modification for Agricultural, Environmental and Medical Applications
3. Climate Change (Evaluating the Carbon Emission from Forest Soils)
4. Radiation Oncology
5. Research Reactor Utilization
6. Radiation Safety and Radioactive Waste Management (\*)
7. Nuclear Security and Safeguards

(\*) In FY2025 application, there is no research subject in this category.

### **2. Qualification for Application**

This Research Course is set up for researchers who currently engage in joint research and collaborative activities in the FNCA projects.

### **3. Length of Assignment**

The length of assignment is basically maximum 6 months.

The length of assignment is basically as follows: Maximum 6 months

MEXT and the accepting organizations will decide the actual term.

The term might be shortened due to the circumstances in Japan during the research period.

The term beyond FY2025 is not accepted.

### **4. Accepting Organization**

In FY2025, the accepting organizations include as follows:

- Japan Atomic Energy Agency (JAEA)
- Kanagawa University
- Saitama Medical University
- The University of Tokyo
- Tokyo University of Agriculture and Technology

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## (2) Individual Research Subject Course

This course aims to develop researcher's capacity, providing expertise in the following areas associated with radiation utilization and nuclear power infrastructure. Participants carry out research on a subject which they applied for under supervision of an accepting researcher/professor.

### Invited Country

Australia (\*1), Bangladesh, China, Indonesia, Kazakhstan, Republic of Korea (\*1), Malaysia, Mongolia, the Philippines, Sri Lanka, Thailand and Vietnam

(\*1) Participation at own expense.

### 1. Research Fields

The research fields in this Course are linked to the fields of the FNCA projects as follows:

- A. Radiation Utilization Development
- B. Research Reactor Utilization Development
- C. Nuclear Safety Strengthening
- D. Nuclear Infrastructure Strengthening

### 2. Research Subject

Applicants choose one research subject from the theme list of **Attachment 2-2**. A participant carries out research under discussion with an accepting researcher/professor in charge.

### 3. Length of Assignment

The length of assignment is basically maximum 6 months.

MEXT and the accepting organizations will decide the actual term.

The term might be shortened due to the circumstances in Japan during the research period.

The term beyond FY2025 is not accepted.

### 4. Accepting Organization

In FY2025, the accepting organizations include as follows:

#### ◆ Research Institutes

- Japan Atomic Energy Agency (JAEA)
- National Institutes for Quantum Science and Technology (QST)
- National Institute of Advanced Industrial Science and Technology (AIST)

#### ◆ Universities

- Hirosaki University (Institute of Radiation Emergency Medicine)
- Hokkaido University
- Ibaraki University
- Institute of Science Tokyo
- Kyoto University (Institute for Integrated Radiation and Nuclear Science)
- Kyushu University
- Nagasaki University
- Nagoya University
- The University of Tokyo

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### **(3) Basic Research Field Course**

This Research Course can enable researchers and administrative technical officers to gain a general and systematic understanding in the field of FNCA projects.

In this course, a participant acquires systematic / broader/ deeper knowledge on each field and carries out research under the guidance and the field of an accepting researcher/professor in charge. Applicants choose one course from the list of **Attachment 2-3**.

#### **Invited Country**

Australia <sup>(\*1)</sup>, Bangladesh, China, Indonesia, Kazakhstan, Republic of Korea <sup>(\*1)</sup>, Malaysia, Mongolia, the Philippines, Sri Lanka, Thailand and Vietnam

(\*1) Participation at own expense.

#### **1. Research Field**

The research fields in this Course are linked to the fields of the FNCA projects as follows:

1. Radiation Utilization Development
2. Research Reactor Utilization Development
3. Nuclear Safety Strengthening
4. Nuclear Infrastructure Strengthening

\*Applicants are required basic and general knowledge on the field which they apply.

#### **2. Length of Assignment**

The length of assignment is basically maximum 3 months.

MEXT and the accepting organizations will decide the actual term.

The term might be shortened due to the circumstances in Japan during the research period.

The term beyond FY2025 is not accepted.

#### **3. Accepting Organization**

In FY2025, the accepting organizations include as follows.

- Fukushima University (Institute of Environmental Radioactivity)
- Hachinohe Institute of Technology
- Hokkaido University
- The University of Tokyo
- University of Fukui (Research Institute of Nuclear Engineering)

## C. Qualification of Applicant

All applicants are required to:

- (1) Be a researcher of a governmental or public research, educational or medical institute including a university engaged in research and development for the peaceful use of nuclear energy;  
(Neither a student nor a professor is qualified.)
- (2) Be a researcher who has graduated from a university or college and who is involved in research activities at the time of application;
- (3) Be a nuclear researcher who could contribute to building up/strengthening nuclear base/nuclear safety in each country after returning to his/her country;
- (4) Have sufficient skills in English and/or Japanese in both speaking and writing;
- (5) In principle, be less than 50 years of age (Preference will be given to younger applicants);
- (6) Be in physically and mentally good health to perform research activities in Japan;
- (7) Be not accompanied by his/her family.
- (8) Allow to be collected personal information for the procedures.

### Number of Acceptance

Approximately 20 (\*) researchers

(\*) Number of acceptances may be subject to change under FY2025 budget by the Government of Japan.

### Approximate numbers of applications in each country

Considering the actual numbers of accepted researchers from each country in recent years, the estimated numbers of applications from each country are as follows. We would appreciate the applicants to apply for each course.

Bangladesh	10	China (*1)	20	Indonesia (*1)	20	Kazakhstan	10
Malaysia	10	Mongolia	10	the Philippines	10	Sri Lanka	10
Thailand	10	Vietnam (*1)	20	Australia and Republic of Korea: No limitation			

(\*1) As for the countries with two designated organizations (**Reference Table 2**), each estimated number of applications from each designated organization is 10.



## D. Application Procedure, Notification of Results and Allowances

### 1. Application Procedure

#### (1) Completing Application Form

Applicants must complete the attached “Application Form (e-files)” and submit it to their home organizations. Each home organization checks the application forms and submits them with their photo to the designated organization in each country (**Reference Table 2**).

We advise each home organization to send the application forms early enough for each designated organization to organize the applications before sending to NSRA, Japan.

#### **Notices of completing “Application Form”**

- 1) **A copy of one recent paper** written by each applicant on the relevant theme should be attached to his/her application.
- 2) **Official Statement of Home Organization** by an applicant’s direct supervisor or the equivalent person should be attached.

#### (2) Sending Application Form to Japan

Each designated organization in each country are requested to select the nominees by checking all the applications, and the contact person of each designated organization is requested to send the application forms (e-files) of selected nominees and “Letter of Recommendation” signed by the FNCA Coordinator of the country (for the designated organizations which FNCA Coordinators belong to) or the Chairman of Nuclear Energy Authority/Commission (for the other designated organizations or non-FNCA member country) to Nuclear Safety Research Association (NSRA) by e-mail **no later than March 21, 2025**. (***Punctuality is strongly recommended!***)

**Addressee: Ms. TAKEMURA Kyoko**  
**General Manager**  
**International Affairs and Research Department**  
**Nuclear Safety Research Association (NSRA)**  
**E-mail: [iard@nsra.or.jp](mailto:iard@nsra.or.jp)**

### 2. Notification of the results

- (1) MEXT/NSRA selection committee consisted of the experts and each accepting organization in Japan will carefully select applicants to be invited to Japan based on the research plan. In the decision of the final selection, other information (balance of numbers of accepted researchers from each country, balance among research category, age, and experiences of participating in this Program and/or the other MEXT programs) will be considered. **Preference will be given to younger applicants, applicants who have no experience or only a few experiences in participating in MEXT programs.**

- (2) The results of selection will be notified by MEXT to the each designated organization by



around July 2025.

- (3) Each successful applicant to be invited to Japan will be notified, at the same time as each designated organization will be informed, of the invitation details, including the term and the date of entry to Japan.
- (4) Those who received the notice of acceptance must not cancel the nomination except for the unavoidable reason. Neither temporary return nor traveling abroad is allowed during your invitation period except for an unavoidable reason or in an emergency.
- (5) The information in the Nuclear Researchers Exchange Program for the FY2025 is subject to change due to the unexpected situation (e.g. COVID-19, etc.).

### **3. Transportation, Allowance and Accommodation, etc**

The following will be borne by MEXT

#### (1) Transportation

- Economy class round-trip air ticket (from the international hub airport for Japan)
- Round-trip travel expenses between the arrival airport and the host organization in Japan

#### (2) Allowance

- Daily allowances (JPY4,400) from the date of arrival in Japan through the date of departure from Japan.

#### (3) Accommodation

- Furnished single room (The applicant must not be accompanied by his/her family)

### **4. Personal Agreement**

The home organization of each researcher and the researcher himself/herself are to conclude an agreement covering obligations and responsibilities of the researcher with each host organization.

## Reference Table 1 The Accepting Organizations in Japan

### ◆ Research Institutes

<b>JAEA) Japan Atomic Energy Agency</b>
HQ) 765-1 Funai-shikawa, Tokai-mura, Naka-gun, Ibaraki, 319-1184, Japan Site) Oarai, Tokai, Tsuruga
<b>QST) National Institutes for Quantum Science and Technology</b>
HQ) 4-9-1, Anagawa, Inage-ku, Chiba-shi, Chiba, 263-8555, Japan Site) Inage, Takasaki
<b>AIST) National Institute of Advanced Industrial Science and Technology</b>
HQ) Central 2, 1-1-1 Umezono, Tsukuba, Ibaraki, 305-8568, Japan

### ◆ Universities

<b>Fukushima University</b>
1 Kanayagawa, Fukushima-shi, Fukushima, 960-1296, Japan
<b>Hachinohe Institute of Technology</b>
88-1, Myo Ohbiraki, Hachinohe, 031-8501, Japan
<b>Hirosaki University (Institute of Radiation Emergency Medicine)</b>
66-1 Hon-cho, Hirosaki-shi, Aomori, 036-8564, Japan
<b>Hokkaido University</b>
Kita8, Nishi5, Kita-ku, Sapporo-shi, Hokkaido, 060-0808, Japan
<b>Ibaraki University</b>
Mito: 2-1-1, Bunkyo, Mito, 310-8512, Japan Tokai: 162-1, Shirakata, Tokai, Naka, 319-1106, Japan
<b>Institute of Science Tokyo (Laboratory for Zero-Carbon Energy)</b>
2-12-1, Ookayama, Meguro-ku, Tokyo, 152-8550, Japan
<b>Kanagawa University</b>
Rokkakubashi 3-27-1, Kanagawa-ku, Yokohama-shi, Kanagawa, 221-8686, Japan

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URL <https://flowsoft.tint.or.th/archive/identityTags>

<b>Kyoto University (Institute for Integrated Radiation and Nuclear Science)</b>
Kumatori-cho, Sennan-gun, Osaka, 590-0494, Japan
<b>Kyushu University</b>
744, Motooka, Nishi-ku, Fukuoka-shi, Fukuoka, 819-0395, Japan
<b>Nagasaki University</b>
Sakamoto 1-12-4, Nagasaki, 852-8523, Japan
<b>Nagoya University</b>
Furo-cho, Chukusa-ku, Nagoya-shi, Aichi, 464-8601, Japan
<b>Saitama Medical University</b>
38 Morohongo Moroyama-machi, Iruma-gun, Saitama 350-0495, Japan
<b>The University of Tokyo</b>
Graduate School of Engineering, MALT) 7-3-1, Hongo, Bunkyo-ku, Tokyo, 113-0033, Japan Graduate School of Frontier Sciences) 5-1-5 Kashiwanoha, Kashiwa-shi, Chiba, 277-8561, Japan
<b>Tokyo University of Agriculture and Technology</b>
3-5-8 Saiwai-cho, Fuchu-shi, Tokyo 183-8509, Japan
<b>University of Fukui (Research Institute of Nuclear Engineering)</b>
1-2-4, Kanawacho, Tsuruga-shi, Fukui, 914-0055, Japan

For any questions about the application guide, please contact with NSRA by e-mail at [iard@nsra.or.jp](mailto:iard@nsra.or.jp).

**Reference Table 2**  
**The Designated Organizations and Contact Persons**

<b>Australia</b>	<p><b>Ms. Natascha SPARK</b>  ANSTO  Locked Bag 2001, Kirrawee DC, NSW 2232, AUSTRALIA  tel: +61-2-424 782 144  e-mail: <a href="mailto:sparkn@ansto.gov.au">sparkn@ansto.gov.au</a></p>
<b>Bangladesh</b>	<p><b>Dr. Md. Idris Ali</b>  Director  International Affairs Division &amp; NLO to the IAEA  Bangladesh Atomic Energy Commission (BAEC)  E-12/A, Agargaon, Sher-e-Bangla Nagar, Dhaka-1207, BANGLADESH  tel: +880 2 222218419 cell: +880-1926182535  e-mail: <a href="mailto:miali6691@gmail.com">miali6691@gmail.com</a>; <a href="mailto:nlo.baec@gmail.com">nlo.baec@gmail.com</a></p>
<b>China</b>	<p><b><u>China Atomic Energy Authority (CAEA)</u></b>  <b>Mr. BAI Yufei</b>  Project Officer  Department of International Cooperation  A8, Fucheng Road, Haidian District, Beijing, 100048, P.R. CHINA  tel: +86-10-88581067  e-mail: <a href="mailto:baiyufei_caea@163.com">baiyufei_caea@163.com</a></p> <hr/> <p><b><u>National Nuclear Safety Administration (NNSA)</u></b>  <b>Mr. BIE Chao</b>  Deputy Director of International Cooperation on Nuclear Safety  Department of International Cooperation  National Nuclear Safety Administration  Ministry of Ecology and Environment of the P.R.C  No.12, East Chang'an Avenue, Dongcheng District, Beijing, 100006, CHINA  tel: +86-10-65645798 fax: +86-10-66645794  e-mail: <a href="mailto:bie.chao@nro.mee.gov.cn">bie.chao@nro.mee.gov.cn</a></p>
<b>Indonesia</b>	<p><b><u>National Research and Innovation Agency (BRIN)</u></b>  <b>Mr. Totti Tjiptosumirat</b>  National Liaison Officer of Indonesia  <b>Ms. Ros Intan Purbasari</b>  Senior staff of Bureau for Legal and Cooperation  <b>Mr. Dimas Irawan</b>  Nuclear Energy Policy Analyst  Jalan M.H. Thamrin No. 8, Central Jakarta, 10340, INDONESIA  tel: + 62 811-1064-6843 ; +62 811-1933-3639  e-mail: <a href="mailto:tott001@brin.go.id">tott001@brin.go.id</a>, <a href="mailto:rosi007@brin.go.id">rosi007@brin.go.id</a>, <a href="mailto:dimas.irawan@brin.go.id">dimas.irawan@brin.go.id</a></p>



	<p><b><u>Nuclear Energy Regulatory Agency (BAPETEN)</u></b></p> <p><b>Mr. Auzan Shadiq</b>  Policy Analyst, Legal Affairs, Cooperation, and Public Communication Bureau  Jl. Gajah Mada No.8, Jakarta10120, INDONESIA  tel: +62-21 63858269-70  e-mail: <a href="mailto:a.shadiq@bapeten.go.id">a.shadiq@bapeten.go.id</a></p>
<b>Kazakhstan</b>	<p><b>Ms. Nurgul Kurmangaliyeva</b>  Head of International Project Support Group, Department of Public Relations  National Nuclear Center (NNC) of the Republic of Kazakhstan  2B, Beibyt atom st., Kurchatov, 180010, KAZAKHSTAN  tel:+7-722-51-3-33-33 mobile:+77051357008  e-mail: <a href="mailto:nurgulya@nnc.kz">nurgulya@nnc.kz</a></p>
<b>Republic of Korea</b>	<p><b>Mr. LEE Jeong-kong</b>  International Cooperation Team  Korea Atomic Energy Research Institute (KAERI)  105-1 Deokjin-Dong, Yuseong, Daejeon, KOREA  tel: +82-42-868-8248  e-mail: <a href="mailto:jklee4@kaeri.re.kr">jklee4@kaeri.re.kr</a></p> <p><b>Ms. Teresa W. Na</b>  Team Leader, International Affairs and Coordination Team  Korea Institute of Radiological &amp; Medical Sciences (KIRAMS)  215-4 Gongneung-Dong, Nowon-Gu, Seoul, KOREA  tel: +82-2-970-1740  e-mail: <a href="mailto:wkna@kirams.re.kr">wkna@kirams.re.kr</a></p>
<b>Malaysia</b>	<p><b><u>Malaysian Nuclear Agency (Nuclear Malaysia)</u></b></p> <p><b>Mr. Zakaria Dris</b>  Director, Human Resources Development Division</p> <p><b>Ms. Azhani Mohd Razali</b>  Research Officer, Human Resources Development Division  Bangi, 43000 Kajang, Selangor, MALAYSIA  tel: +60-3-8911-2000  e-mail: <a href="mailto:zakariadris@nm.gov.my">zakariadris@nm.gov.my</a>, <a href="mailto:azhani@nm.gov.my">azhani@nm.gov.my</a></p>
<b>Mongolia</b>	<p><b>Ms. GERELMAA Gombosuren</b>  Acting Head of the Foreign Affairs Division  Executive Office of Nuclear Energy Commission (NEC)  Khan-Uul District-20, Uildverchdiin street-2, Ulaanbaatar, 17032, MONGOLIA  tel: +976-51-267158 Mobile: +976-99087979  e-mail: <a href="mailto:g.gerelmaa@nea.gov.mn">g.gerelmaa@nea.gov.mn</a>, <a href="mailto:office@nea.gov.mn">office@nea.gov.mn</a></p>
<b>The Philippines</b>	<p><b>Mr. Gilbert PORALAN</b>  Section Head, International Cooperation Section, Technology Diffusion Division  DOST-Philippine Nuclear Research Institute (DOST-PNRI)  Commonwealth Ave., Diliman, Quezon City 1101, The PHILIPPINES  tel: + 632-89296011 to 19 ext. 258  e-mail: <a href="mailto:gmporalanjr@pnri.dost.gov.ph">gmporalanjr@pnri.dost.gov.ph</a>, <a href="mailto:ics@pnri.dost.gov.ph">ics@pnri.dost.gov.ph</a></p>

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URL <https://flowssoft.tint.or.th/archive/identityTags>

<b>Sri Lanka</b>	<p><b>Mr. H.M.N.R. Bandara</b>  Director, International Cooperation Division National Liaison Officer to IAEA - TC  Sri Lanka Atomic Energy Board  60/460, Baseline Road, Orugodawatta, Wellampitiya, SRI LANKA  tel. +94-11-207 5230 (Direct), +94-11-253 3427-8,  +94-71- 858 3132 (Mobile/WhatsApp)  e-mail: <a href="mailto:bandara@aeb.gov.lk">bandara@aeb.gov.lk</a>, <a href="mailto:bandaraaea72@gmail.com">bandaraaea72@gmail.com</a></p>
<b>Thailand</b>	<p><b><u>Thailand Institute of Nuclear Technology (Public Organization)</u></b>  <b>Ms. Chatchawan Mansaithong</b>  International Cooperation Officer, Professional Level  <b>Ms. Worada Jarupoonphol</b>  International Cooperation Officer  9/9 Moo 7, Saimoon Sub-district, Ongkarak District, Nakhon Nayok 26120,  THAILAND  tel. +66 2 401 9889 ext. 1196  e-mail: <a href="mailto:chatchawan@tint.or.th">chatchawan@tint.or.th</a>, <a href="mailto:worada.jar@tint.or.th">worada.jar@tint.or.th</a></p>
<b>Vietnam</b>	<p><b><u>Vietnam Atomic Energy Institute (VINATOM)</u></b>  <b>Ms. Tran Ngoc Hoan</b>  Deputy Director of International Cooperation Department  <b>Ms. Pham Thanh Huong</b>  International Cooperation Department  59 Ly Thuong Kiet str., Hoan Kiem dis., Ha Noi City, VIETNAM  tel: +84-979-371787  e-mail: <a href="mailto:hoantran1311@gmail.com">hoantran1311@gmail.com</a>, <a href="mailto:phamthanhuong.139@gmail.com">phamthanhuong.139@gmail.com</a></p> <p><b><u>Vietnam Agency for Radiation and Nuclear Safety (VARANS)</u></b>  <b>Ms. Bui Thi Thuy Anh</b>  Deputy Director, Division of Legislation and International Cooperation  14th Floor, Headquarter of Ministry of Science and Technology,  113 Tran Duy Hung Str., Hanoi, VIETNAM  tel: +84-24-39410213 cell: +84-9-04532218  e-mail: <a href="mailto:btanh@most.gov.vn">btanh@most.gov.vn</a></p>

( for NSRA use)	Plan	Result	<b>FR-25 -</b>

<b>MEXT</b> <b>Nuclear Researchers Exchange Program FY2025</b> <b>Application for INVITATION to JAPAN</b> (1) FNCA Research Course	Research Code No.

<b>I. Profile</b>			
<i>NAME</i> (as printed in PASSPORT) If you have two last or first names, leave a space between them.			
FAMILY (SUR) Name ONLY		First and Middle Name(s)	
		<i>Chinese characters, if you have.</i>	
Passport No.	Nationality	Gender	Marital Status
	Place of Birth	F: Female	S: Single
expiry date yy/ mm/ dd	(in Chinese character)	M: Male	M: Married
	Date of Birth	yy/ mm/ dd	
Home Address (address where you are living)		Town/City	Province
		<i>(Chinese characters, if any)</i>	
			Post code
Tel	Mobile	Fax	
E-mail 1 e.g. tom@gmail.com			
E-mail 2 e.g. tom@nsra.or.jp			

<b>Current Employment</b>		
Organization		
Position / Division		
Office Address	<small>(※)Neither P.O.Box nor G.P.O.Box are available</small>	
Town/City	Province	Post code
Tel	Fax	

<b>Your Direct Supervisor</b>		
Name	Position	
Tel	Fax	
E-mail		

<b>Emergency Contact</b>		
Name	Relationship	
Address		
Tel	Fax	
E-mail		

<b>2. Research Theme</b>	
(Code No.)	Research Theme

<b>3. Term of stay you desire (for reference)</b>	<b>*The term beyond FY2025 (March 2026) is not accepted</b>		
	<i>FROM:</i> 2025/	<input type="text"/>	month/
		<input type="text"/>	date
	<i>TO:</i> 20 _/	<input type="text"/>	month/
		<input type="text"/>	date

<b>4. Research Plan (Describe detailed research plan)</b>



<b>5. The current research related to this FNCA project</b>	
Theme	
Institute	
Period	yy/ mm/ dd - yy/ mm/ dd
(Details)	

<b>6. The reason why you apply for this program</b>

**7. How is this experience made the best use of?**

**8. Language Ability**

Can you perform the research/training in English and/or Japanese in Japan?

→  1. YES    2. NO

(1) Test Score (English & Japanese)

*TOEIC		<input type="text"/>
*TOEFL		<input type="text"/>
*Others [	]	<input type="text"/>
	[	<input type="text"/>

(2) Classify your proficiency of language ability from A to C and enter it into the boxes:

- A. Excellent (Fully Comprehension)
- B. Good (Moderate Comprehension)
- C. Poor (Have Difficulty)

	<b>English</b>	<b>Japanese</b>
* <i>Listening</i>	<input type="text"/>	<input type="text"/>
* <i>Speaking</i>	<input type="text"/>	<input type="text"/>
* <i>Writing</i>	<input type="text"/>	<input type="text"/>
* <i>Reading</i>	<input type="text"/>	<input type="text"/>

<b>9. Research Experience( including post graduate studies, studies abroad)</b>		
From	To	Organization/Place/Country
Subject		
From	To	Organization/Place/Country
Subject		

<b>10. Thesis or Paper (List any published materials)</b>		
Date	Title	Bibliographical Data

<b>11. Education</b>			
Name of Institution	Field of Study	Diploma/Degree	Date earned or expected

<b>12. Employment History</b>		
From	To	Organization/Place/Country
Subject		
From	To	Organization/Place/Country
Subject		

( for NSRA use)	Plan	Result	<b>IR-25-</b>

<b>MEXT</b> <b>Nuclear Researchers Exchange Program FY2025</b> <b>Application for INVITATION to JAPAN</b> (2) Individual Research Subject Course	Research Code No.

<b>1. Profile</b>			
<b>NAME</b> (as printed in PASSPORT) If you have two last or first names, leave a space between them.			
FAMILY (SUR) Name ONLY		First and Middle Name(s)	Chinese characters, if you have.
Passport No.	Nationality	Gender	Marital Status
expiry date	Place of Birth	F: Female	S: Single
yy/ mm/ dd	(in Chinese character)	M: Male	M: Married
	Date of Birth		
	yy/ mm/ dd		
Home Address (address where you are living)		Town/City	Province
		(Chinese characters, if any)	Post code
Tel	Mobile	Fax	
E-mail 1	e.g. tom@gmail.com		
E-mail 2	e.g. tom@nsra.or.jp		

<b>Current Employment</b>			
Organization			
Position / Division			
Office Address			
<small>(*)Neither P.O.Box nor G.P.O.Box are available</small>			
Town/City	Province	Post code	
Tel	Fax		
<b>Your Direct Supervisor</b>			
Name	Position		
Tel	Fax		
E-mail			

<b>Emergency Contact</b>			
Name	Relationship		
Address			
Tel	Fax		
E-mail			



**2. Research Theme**

(Research Code No.)	Research Theme

**3. Term of stay you desire (for reference)** \*The term beyond FY2025 (March 2026) is not accepted

**FROM:** 2025/  month/  date

**TO:** 20 \_ /  month/  date

**4. Research Plan (Describe detailed research plan)**

***5. The reason why you apply for this program***



<b>8. Research Experience( including post graduate studies, studies abroad)</b>		
From	To	Organization/Place/Country
Subject		
From	To	Organization/Place/Country
Subject		

<b>9. Thesis or Paper (List any published materials)</b>		
Date	Title	Bibliographical Data

<b>10. Educational Background (Starting from undergraduate level of university)</b>				
Name of Institution/School	Location	Field	Diploma/Degree	Graduation Year

<b>11. Employment History</b>		
From	To	Organization/Place/Country
Subject		
From	To	Organization/Place/Country
Subject		



( for NSRA use)	Plan	Result	<b>BR-25 -</b>

<b>MEXT</b> <b>Nuclear Researchers Exchange Program FY2025</b> <b>Application for INVITATION to JAPAN</b> (3) Basic Research Field Course	Code No.

<b>I. Profile</b>			
<i>NAME</i> (as printed in PASSPORT) If you have two last or first names, leave a space between them.			
FAMILY (SUR) Name ONLY		First and Middle Name(s)	Chinese characters, if you have.
Passport No.	Nationality	Gender	Marital Status
expiry date yy/ mm/ dd	Place of Birth (in Chinese character)	F: Female	S: Single
	Date of Birth	M: Male	M: Married
	yy/ mm/ dd		
Home Address (address where you are living)		Town/City (Chinese characters, if any)	Province Post code
Tel	Mobile	Fax	
E-mail 1 e.g. tom@gmail.com			
E-mail 2 e.g. tom@nsra.or.jp			

<b>Current Employment</b>		
Organization		
Position / Division		
Office Address	<small>(※)Neither P.O.Box nor G.P.O.Box are available</small>	
Town/City	Province	Post code
Tel	Fax	
<b>Your Direct Supervisor</b>		
Name	Position	
Tel	Fax	
E-mail		

<b>Emergency Contact</b>		
Name	Relationship	
Address		
Tel	Fax	
E-mail		

**2. Field you desire**

(Code No.)	Field

**3. The reason why you apply for this program AND the background which your country or institute wish to dispatch you to Japan under this program**

--

**4. Your contribution can be made to build up/strengthen nuclear base/nuclear safety of your county**

**5. Language Ability**

Can you perform the research/training in English and/or Japanese in Japan?

→  1. YES    2. NO

(1) Test Score (English & Japanese)

*TOEIC		<input type="text"/>
*TOEFL		<input type="text"/>
*Others [	]	<input type="text"/>
		<input type="text"/>

(2) Classify your proficiency of language ability from A to C and enter it into the boxes:

- A. Excellent (Fully Comprehension)
- B. Good (Moderate Comprehension)
- C. Poor (Have Difficulty)

	<b>English</b>	<b>Japanese</b>
* <i>Listening</i>	<input type="text"/>	<input type="text"/>
* <i>Speaking</i>	<input type="text"/>	<input type="text"/>
* <i>Writing</i>	<input type="text"/>	<input type="text"/>
* <i>Reading</i>	<input type="text"/>	<input type="text"/>

<b>6. Employment History</b>		
From	To	Organization/Place/Country
Subject		
From	To	Organization/Place/Country
Subject		
From	To	Organization/Place/Country
Subject		
From	To	Organization/Place/Country
Subject		

<b>7. Educational Background (Starting from undergraduate level of University)</b>			
Name of Institution/School	Field of Study	Diploma/Degree	Date earned or expected



## Candidate's Statement

I certify that the statements below are true and correct. If selected as a research fellow under the Nuclear Researchers Exchange Program, I undertake to:

1. conduct myself always in a manner compatible with my status:
2. refrain from engaging in political or commercial activities or any other activities not related to the research program:
3. accept no remuneration other than the exchange program stipend nor render any service for pay:
4. return to my country on completion of my research:
5. refrain from declining the nomination, and
6. refrain from using the information obtained in Japan except for the peaceful use of nuclear energy.

Date: \_\_\_\_\_

Name in print (block letter): \_\_\_\_\_

Signature: \_\_\_\_\_



The \_\_\_\_\_  
(Name of the Institute)

nominates \_\_\_\_\_  
(Name of the Candidate)

as a candidate for Nuclear Researchers Exchange Program, notes the above statements, and gives assurance that:

1. all the information given by the candidate is true and correct;
2. The Ministry of Education, Culture, Sports, Science and Technology (MEXT) and the host organization have no financial responsibility for incidental expenses connected with travel incident in the research work, or for death, injury, sickness, or the other disability arising from participating in research;
3. the position of the nominee will be retained during his/her absence and he/she will continue to receive, during the period of the research work in Japan, a salary and related emoluments enabling him/her to commitment to his/her home country.

The Candidate's Direct Supervisor

Date \_\_\_\_\_

Name in print \_\_\_\_\_

Position \_\_\_\_\_

Signature \_\_\_\_\_

**INSTRUCTIONS:** This report shall be completed in duplicate by a registered physician after through clinical and laboratory examination, including a chest X-ray. The Ministry of Education, Culture, Sports, Science and Technology (MEXT) reserves the right to require the candidate to undergo further medical examinations, if necessary.

Record of candidate's occupational radiation exposure shall be attached herewith.

<i>Medical Certificate</i>		<b>2025 MEXT Nuclear Researchers Exchange Program</b>
First Name	Last Name	
Address: _____		
Age: _____		Gender: ( Female / Male )
Height: _____ cm		Weight: _____ kg

<b>Medical Report</b>	
<b>ATTENTION: Please Describe Specifically.</b>	
1	Describe candidate's present health condition.
2	Does the candidate show any PHYSICAL deficiencies that would limit his/her performance? <div style="text-align: center; margin: 5px 0;"> <input type="checkbox"/> Yes                      <input type="checkbox"/> No         </div> If yes, please explain.
3	Does the candidate show any MENTAL deficiencies that would limit his/her performance? <div style="text-align: center; margin: 5px 0;"> <input type="checkbox"/> Yes                      <input type="checkbox"/> No         </div> If yes, please explain.
4	Does the candidate have a history of illness or disorders that would limit his/her ability to research conduct researches? <div style="text-align: center; margin: 5px 0;"> <input type="checkbox"/> Yes                      <input type="checkbox"/> No         </div> If yes, please explain.
5	List any infectious diseases that the candidate might be carrying.
6	Describe any present condition or illness that would require the candidate to seek medical treatment while participation in the research program.

I hereby certify that the above statements are true and correct.

Date: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Physician:  
 Clinic:  
 Address:



MEXT Nuclear Research Exchange Program 2025 - FNCA Research Course						
Research Code No.	Research Theme	Summary of Research	Organization	Duration (Months) (*)	Capacity (Persons)	Qualification for Application
<b>1. Radiation Processing and Polymer Modification for Agricultural, Environmental and Medical Applications</b>						
FR - 1	Bio-Stimulant Microorganisms for Crops	The effects of microbial bio-stimulants on crops and improvement of the effectiveness and application technologies using radiation. Basic knowledge on molecular biology, microbiology, plant physiology will be provided through lab work and literature review.	Tokyo University of Agriculture and Technology Institute of Agriculture (Tokyo)	3	1	• Bachelor's degree in agriculture, science and technology
<b>2. Climate Change (Evaluating the Carbon Emission from Forest Soils)</b>						
FR - 2	Study on soil organic carbon cycle using stable and radioactive carbon isotope analysis	Understanding the soil organic carbon dynamics is the key to predicting the future climate change. In this study, we conduct field and laboratory experiments to evaluate the storage and decomposition processes of soil organic carbon and their responses to global warming, using stable and radioactive carbon isotope analysis.	JAEA Research Group for Environmental Science, Chemistry, Environment, and Radiation Division, Nuclear Science and Engineering Center (Tokai)	2	1-3	• Master's degree in science and technology, or Bachelor's degree in science and technology
FR - 3	Radiocarbon dating of soil sediment samples by accelerator mass spectrometry	Under the FCNA project, "Evaluating the Carbon Emission from Forest Soils", the radiocarbon (C-14) dating of the soil samples collected from each participating country is conducted by the Accelerator Mass Spectrometry. The concept and technique of the radiocarbon dating will be learned by a training program: 1) Extraction and purification of carbon dioxide from soil, 2) Accelerator Mass Spectrometry, 3) Data analysis.	The University of Tokyo MALT (Micro Analysis Laboratory, Tandem accelerator) (Hongo)	3	2	• Basic knowledge of mathematics, physics and chemistry with the level of the 1st grade of the university

3. Radiation Oncology				
FR - 4	High-precision radiotherapy for predominant cancers in Asia	Optimum treatment for predominant cancers in Asia will be established using high-precision radiotherapy including IMRT, SBRT, MRI-guided RT, and 3D-IGBT.	Saitama Medical University Department of Radiation Oncology, International Medical Center (Hidaka)	2.5
				1-2
				- Radiation oncologist and/or medical physicist engaged in radiotherapy
4. Research Reactor Utilization				
FR - 5	Chemical characteristics of geological and cosmochemical samples	Metal elements abundances are determined in geological and cosmochemical samples by using neutron activation analysis (PGA and INAA) and/or ICP-MS. Based on the obtained analytical results, the behavior of metal elements abundances will be investigated during their formation process.	Kanagawa University Faculty of Science (Yokohama)	5
				1
				- Master's degree in science and technology - Experience in organic analytical chemistry

5. Nuclear Security and Safeguards					
FR - 6	Enhancing Capacity on Nuclear Security	The research focuses on the implementation and capacity building of the specific topic on nuclear security to enhance human capacity of the nominee's country on nuclear security.  Research topics : Physical protection, Nuclear security culture, Training curriculum development, etc.	<p>JAEA            Integrated Support Center for Nuclear Nonproliferation and Nuclear Security (Tokai)</p>	up to 2	<ul style="list-style-type: none"> <li>Working experience in the field of nuclear security</li> </ul>
		The research focuses on the implementation and capacity building of the specific topic on Safeguards(SG) to enhance human capacity of the nominee's country on SG.  Research topics : State Systems of Accounting for and Control of Nuclear Material(SSAC), Non-Destructive Assay (NDA) of Nuclear Materials, Nuclear Material Accountancy, Additional Protocol, etc.		up to 2	
FR - 7	Enhancing Capacity on Safeguards(SG)			1-2 in total	

MEXT Nuclear Research Exchange Program 2025 - Basic Research Field Course						
Code	Research Field	Summary of Research	Organization	Duration (Months)	Capacity (Persons)	Qualification for Application
BR-1	Research on education and human resource development contributing to fostering literacy on nuclear science and technology, with focusing on Naturally Occurring Radioactive Materials	<p>Contributing to education and HRD that will lead to the fostering of nuclear science and technology literacy, with focusing on NORM</p> <p>(1) Development of education and HRD methods (2) Development of tools, modules and curricula that can be utilized in education and HRD (3) Practice of education and HRD and analysis of its effectiveness (4) Research on risk management and risk communication, etc.</p>	<p>The University of Tokyo Environmental Safety Management Group, Department of Environment Systems, Graduate School of Frontier Sciences (Hongo)</p>	5	1	<ul style="list-style-type: none"> <li>Graduate or undergraduate degree in science, engineering or education.</li> <li>Experience in practice and planning of education and human resource development related to nuclear science and technology.</li> <li>The applicant should have basic knowledge of risk management, risk communication and radiation protection.</li> </ul>
BR-2	Radiation safety and radiation protection	<p>Participants belong to the supervisors' laboratory to conduct experiments and practices.</p> <p>The research area of each supervisor is as follows.</p> <ul style="list-style-type: none"> <li>Radiation Chemistry, Radiation Biology, Radiation Protection</li> <li>Radiation Physics, Radiation Measurement, Radiation Monitoring and Emergency Preparedness &amp; Response</li> <li>Radiation Biology, Radiation Protection</li> <li>Radiation Detector, Radiation Measurement, especially Development of reactor neutrino monitor</li> </ul> <p>During this course, lectures are given to acquire overall and basic knowledge related nuclear energy. Also, an opportunity for technical visit to nuclear facilities in Fukui prefecture will be provided, if possible.</p>	<p>University of Fukui Research Institute of Nuclear Engineering (Tsuruga)</p>	3	1-2	<ul style="list-style-type: none"> <li>Bachelor's degree in science and engineering</li> </ul>

<p><b>BR-3</b></p>	<p>Research of the environmental radioactivity and their measurement techniques related to radioactive materials</p>	<p>Research of the environmental radioactivity using mass spectrometry, Ge detectors, liquid scintillation and development of measurement techniques using high performance mass-spectrometry for radionuclides.</p>	<p><u>Fukushima University</u> Institute of Environmental Radioactivity (Fukushima)</p>	<p>3</p>	<p>1</p>	<ul style="list-style-type: none"> <li>• Bachelor's degree in science and technology</li> <li>• Preferred : Chemistry or Environmental Chemistry</li> </ul>
<p><b>BR-4</b></p>	<p>Radioactive waste management</p>	<p>Participants belong to the supervisors' laboratory to conduct experiments and practices. The research area of each supervisor is as follows:  <ul style="list-style-type: none"> <li>• Fuel Cycle, Nuclear Fuel Engineering for Fuel Cycle</li> <li>• Decommissioning</li> <li>• Waste Proposal, Decommissioning</li> </ul>                     During this course, lectures are given to acquire overall and basic knowledge related nuclear energy. Also, an opportunity for technical visit to nuclear facilities in Fukui prefecture will be provided, if possible.</p>	<p><u>University of Fukui</u> Research Institute of Nuclear Engineering (Tsuruga)</p>	<p>3</p>	<p>1-2</p>	<ul style="list-style-type: none"> <li>• Bachelor's degree in science and engineering</li> </ul>
<p><b>BR-5</b></p>	<p>Nuclear Reactor Physics</p>	<p>Nuclear data and numerical methods are verified through nuclear reactor core analyses</p>	<p><u>Hokkaido University</u> Nuclear Reactor Engineering Laboratory, Graduate School of Engineering (Sapporo)</p>	<p>3</p>	<p>1</p>	<ul style="list-style-type: none"> <li>• Bachelor's degree in science and technology</li> </ul>
<p><b>BR-6</b></p>	<p>Nuclear engineering/Nuclear safety engineering ①</p>	<p>Participants belong to the supervisors' laboratory to conduct experiments and practices. The research area of each supervisor is as follows:  <ul style="list-style-type: none"> <li>• Reactor Physics</li> <li>• Nuclear Safety Engineering, Thermal hydraulics</li> </ul>                     During this course, lectures are given to acquire overall and basic knowledge related nuclear energy. Criticality calculations, etc. will be performed using nuclear calculation codes to acquire knowledge of nuclear reactor physics and techniques for using nuclear calculation codes.</p>	<p><u>University of Fukui</u> Research Institute of Nuclear Engineering (Tsuruga)</p>	<p>3</p>	<p>1-2</p>	<ul style="list-style-type: none"> <li>• Bachelor's degree in science and engineering</li> </ul>



BR-7	Nuclear Engineering/ Nuclear Safety Engineering ②	<p>Scrubbing equipment is used to reduce the release amounts of radioactive substances into the environment during nuclear power plant accidents. It is aim to understand the decontamination mechanism at scrubbing equipment using our laboratory equipment.</p>	<p><u>Hokkaido University</u> Laboratory of Nuclear System and Safety Engineering, Graduate School of Engineering (Sapporo)</p>	3	1-2	<ul style="list-style-type: none"> <li>Minimum requirement: Bachelor's degree in science and technology</li> </ul>
BR-8	Nuclear Engineering/ Nuclear Safety Engineering	<p>Aomori area, where HIT sites are located, has various kinds of large-scale nuclear facilities, such as nuclear power plants, facilities for re-processing nuclear fuel, uranium enrichment facilities, nuclear waste disposal sites, and the fusion energy directorate. Participants are expected to have on-site experiences and knowledge of the total nuclear systems by visiting these facilities and receiving lectures and experimental experiences described below.</p> <p>Main items to be discussed: Participants acquire basic knowledge through the activities such as</p> <ul style="list-style-type: none"> <li>Introduction to nuclear engineering (seminar)</li> <li>- Concepts of nuclear fission and power plants.</li> </ul> <p>Introduction to nuclear materials (seminar)</p> <ul style="list-style-type: none"> <li>- Basics of nuclear fuels and structural materials.</li> </ul> <p>Introduction to radiation measurement (seminar)</p> <ul style="list-style-type: none"> <li>- Concept of radiation detectors and radiation decay.</li> </ul> <p>Basic experiment</p> <ul style="list-style-type: none"> <li>- Measurement of gamma-rays from environmental materials.</li> <li>- Fabrication of a radiation detector using a GM tube.</li> </ul> <p>Visiting nuclear plants and research facilities.</p>	<p><u>Hachinohe Institute of Technology</u> (Hachinohe)</p>	3	2-3	<ul style="list-style-type: none"> <li>Bachelor's degree in science and engineering</li> </ul>
BR-9	Fuels and materials engineering	<p>Participants belong to the supervisors' laboratory to conduct experiments and practices.</p> <p>The research area of each supervisor is as follows.</p> <ul style="list-style-type: none"> <li>• Nuclear Fuel, Analysis &amp; Property of Nuclear Fuel Using Simulated Materials</li> <li>• Cladding Material, Nuclear Materials, Irradiation Effects of Reactor Materials</li> </ul> <p>During this course, lectures are given to acquire overall and basic knowledge related nuclear energy. Also, an opportunity for technical visit to nuclear facilities in Fukui prefecture will be provided, if possible.</p>	<p><u>University of Fukui</u> Research Institute of Nuclear Engineering (Tsuruga)</p>	3	1-2	<ul style="list-style-type: none"> <li>Bachelor's degree in science and engineering</li> </ul>



Attachment 2-3  
FY2025 - Basic Research Field Course

<p><b>BR-10</b></p>	<p>Applied seismology &amp; nuclear disaster prevention</p>	<p>Participants belong to the supervisor's laboratory to conduct experiments and practices. The research area of the supervisor is as follows.  <ul style="list-style-type: none"> <li>- Earthquake &amp; Tsunami</li> </ul>                     During this course, lectures are given to acquire overall and basic knowledge related nuclear energy. The curriculum will include lectures and exercises focusing on strong motion prediction methods and microtremor surveys. Also, an opportunity for technical visit to nuclear facilities in Fukui prefecture will be provided, if possible.</p>	<p>University of Fukui Research Institute of Nuclear Engineering (Tsuruga)</p>	<p>3</p>	<p>1-2</p>	<p>•Bachelor's degree in science and engineering</p>
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