



Japan Science and Technology Agency (JST)
5-3 Yonbancho, Chiyoda-ku, TOKYO 102-8666 JAPAN

February 12, 2015

Ministry of Human Resource Development, Republic of India
Department of Higher Education

Request for SAKURA Science High School Program (SSHP)

Dear sir or madam

Japan Science and Technology Agency (JST) has been implementing Japan-Asia Youth Exchange Program in Science" (SAKURA Science Plan) in which Asian youth is invited to Japan to experience science and technology in Japan.

In the SAKURA Science Plan, JST promotes SAKURA Science High School Program (SSHP) in which Asian high school students is invited by JST for about one week. JST would like to ask you to select high school students and their supervisors in your country who will be invited to Japan in the framework of SSHP in this year

Number of high school students to be invited:

20 students and 2 supervisors : May 16(SAT)-23(SAT), 2015

(Each 10 high school students is attended by one supervisor.)

Detailed information on this invitation is attached as annex.
JST is very grateful to get your cooperation on SSHP.

A handwritten signature in cursive script, appearing to read 'Kazuki Okimura'.

Kazuki Okimura
Director of SAKURA Science Plan Promotion Office,
Japan Science and Technology Agency (JST).



Annex

Detailed information on the invitation

1. Purpose of "Japan-Asia Youth Exchange Program in Science" (SAKURA Science Plan : SSHP)

Asia is undergoing a period of dramatic progress. Promoting science and technology is a key engine to realize a bright future of Asia and it is vitally important to enhance the exchange of Japanese and Asian youths who will play a crucial role in the field of science and technology.

Based on this concept, "Japan-Asia Youth Exchange Program in Science" (SAKURA Exchange Program in Science) is the program for enhancing exchanges between the youths of Asia and Japan who will play a crucial role in the future in the field of science and technology through the close collaboration of industry-academia-government by facilitating short-term visits of competent Asian youths to Japan. This program aims at raising the interest of Asian youths toward the leading Japanese science and technologies at Japanese universities, research institutions and private companies.

2. Outline of SSHP plan in 2015

- (1) In SSHP plan, high school students and supervisors in your country will visit Japan sometime from May to August.
- (2) Outline of plan is as follow;
 - (a) High school students and supervisors will visit Japan for 7 nights and 8 days(including arrival day and departure day).
 - (b) High school students and supervisors will arrive at Kansai International Airport , stay for two nights in Kansai area ,leave Kansai area for Kanto area (Tokyo), stay for 5 nights in Kanto area (Tokyo) and depart Narita International Airport for your country.
 - (c) In Kansai area and Kato area high school students and supervisors will have chances to visit excellent universities, research institutions , to get



lectures or hands-on experiments from Japanese Nobel laureates and to experience Japanese cultures.

(3) Finalized plan will be sent to you from JST.

3. Conditions of high school students and supervisors to be invited

(1) High school students

- (a) Who is over 16 of age (including 16)
- (b) Who is excellent in school work
- (c) Who has never stayed in Japan
- (d) Who has a good health condition(including who has no chronic disease and who has no strong food allergy)
- (e) Who has a passport or to be able to get passport soon

(2) Supervisors

- (a) Who works for an affiliated school, education-related government agency, or public organization
- (b) Who is able to take good care of high school students while staying in Japan
- (c) Who has a good English communications skills
- (d) Who has a good health condition

4. Expenses to be covered by JST

- (1) International round-trip flight tickets(economy class)
- (2) Accommodation (including meals and transportations)
- (3) Travel insurance

5. Procedure and timing

- (1) JST would like you to give us information on your contact person (name, telephone number, e-mail address as soon as possible.



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- (2) JST will send your contact person detailed plan and registration form for high school students and supervisors soon.
- (3) JST would like you to give following information to our contact person (see below item 6)
 - (a) Selection procedure of high school students and supervisors
 - (b) List of selection of high school students and supervisors (name, age, gender etc.) (If high school students and supervisors are invited in separate multiple groups , this list is to be made for each group.)
 - (c) Registration form filled by high school students or supervisors

6. Contact person on JST

Izumi Nakajima
Senior Staff of Japan-Asia Youth Exchange Promotion
in Science and Promotion Office
Japan Science and Technology Office (JST)
Tel : 81-3-5214-7556
Fax : 81-3-5214-8445
E-mail : izumi.nakajima@jst.go.jp

A handwritten signature in cursive script, appearing to read 'Kazuki Okimura'.

Kazuki Okimura
Director of SAKURA Science Plan Promotion Office,
Japan Science and Technology Agency (JST).

Japan-Asia Youth Exchange Program in Science
**SAKURA Exchange Program
in Science**

<http://ssp.jst.go.jp/EN/index.html>

January, 2015

Japan-Asia Youth Exchange Program in Science Promotion Office,
Japan Science and Technology Agency

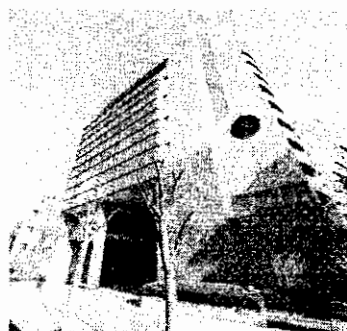


JST

(Japan Science and Technology Agency)



An Agency with Mission



Where JST Stands in the S&T Administrative System

Prime Minister



Cabinet Office: Council for S&T Policy

1. Deliberate basic policies related to S&T
2. Decide policies on resource allocation including budget and personnel
3. Evaluate nationally significant R&D



Ministry of Education, Culture, Sports, S&T (MEXT)

Ministry of Internal Affairs and Communications

Ministry of Health, Labor and Welfare

Ministry of Agriculture, Forestry and Fisheries

Ministry of Economy, Trade, Industry and Tourism

Ministry of Land, Infrastructure and Transport

Ministry of Environment

Independent Administrative Institutions



NIRS



NIED



Novel Prizes: Recent Achievements



Prof. Akasaki



Prof. Amano



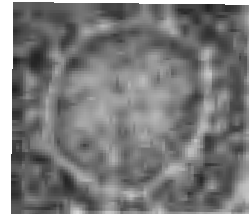
Prof. Nakamura



Prof. Yamanaka



The Nobel Prize 2014 in Physics
for the invention of efficient blue
light-emitting diodes (LEDs)



The Nobel Prize 2012 in
Physiology or Medicine for
iPS Cells

Purpose of SAKURA Science Plan

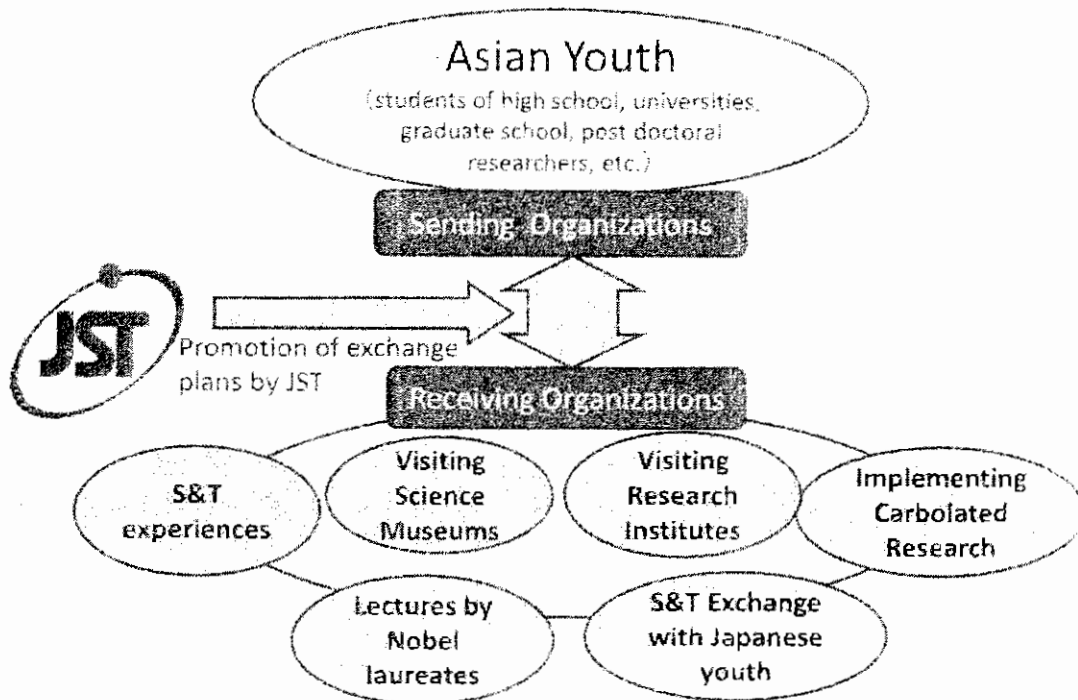
- ✓ Asia is experiencing a period of dramatic progress. Promoting science and technology is a key locomotive to bring about a bright future for Asia and it is vitally important to enhance the exchange of Japanese and Asian youth who will play a crucial role in the field of science and technology.
- ✓ “Japan-Asia Youth Exchange Program in Science” (SAKURA Exchange Program in Science) is a program for enhancing exchanges between Asia and Japan of the youth who will play a crucial role in the future field of science and technology through the close collaboration of industry-academia-government by facilitating short-term visits of competent Asian youth to Japan.
- ✓ This program aims at raising the interest of Asian youth and thus contributing towards the promotion of science and technology within Asian countries.

Outline of SAKURA Science Plan

- ✓ Eligible Asian Youth for the program
 1. High school students, undergraduates, graduates, postdoctoral researchers or teachers, etc., who are basically under the age of 40
 2. Those who have basically never stayed in Japan
- ✓ 15 Eligible countries and regions (in FY2015)

People’s Republic of China, Republic of Korea, **Republic of India**, Mongolia, Taiwan, Brunei Darussalam, Kingdom of Cambodia, Republic of Indonesia, Lao People’s Democratic Republic, Malaysia, Republic of the Union of Myanmar, Republic of the Philippines, Republic of Singapore, Kingdom of Thailand, and Socialist Republic of Viet Nam

Exchange Program by Submission (1/4)



Exchange Programs by Submission (2/4)

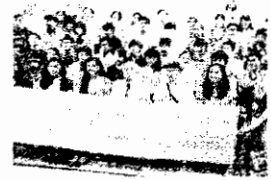
JST Development "Basic Policy of the Program" by JST

Prepare the Exchange Plan based on the Basic Policy

SAKURA Science High School Program 2014

1/2

- ✓ Implementation term : from July to August in 2014
- ✓ 271 outstanding students and 23 advisors
- ✓ Participation from 9 Asian countries
- ✓ Implemented in 3 groups
- ✓ Each school selected the participants with support from Japanese embassies and governmental agencies
- ✓ The program features:
 - Attending lectures by Japanese Nobel laureates
 - Visiting top universities and research institutes
 - Visiting science museums of public and private sectors
 - Exchanging with Super Science High school (SSH) students
 - Learning Japanese culture and history



SAKURA Science High School Program 2014

2/2

[What the Participants Say about SSP]

- I was able to grow my interests in Japan's science and technology. (Thailand)
- I was able to know Japan as it is and understand the Japanese culture deeply. (China)
- It was a good opportunity to participate in the program for widening my view to the world. (China)
- I had access to evolutionary technologies by visiting the electronics laboratory of Tokyo University. (Thailand)
- I will attach the first priority to Japan if I have a chance to start S&T research abroad. (China)
- I would like to come to Japan again and to work with Japanese researchers in future. (Thailand)



Invitation for Indian Youth in 2015

SAKURA Exchange Program

Number of Invitees: 300 Indian youth

Application Schedule in 2015

1st Call for Proposal: January 16th, 2015

2nd Call Around May

3rd Call Around September

10 days +

Max. 3 weeks.

SAKURA Science High School Program (Grades 10-12)

Number of Invitees : 100 Indian students

Implementation Schedule in 2015

May 9-16: 50 students + 5 supervisors

(joined by students from Thailand and the Philippines)

May 16-23: 50 students + 5 supervisors

(joined by students from Malaysia)

SAKURA
SCIENCE
HIGH SCHOOL
PROGRAM

80 Student

8 Supervisors



Mission

As a core institution responsible for the implementation of Japan's 4th Science and Technology Basic Plan, JST contributes to the creation of science and technology innovation.

Vision

1. We actualize science and technology innovation through our creative R&D.
2. We maximize research achievements by integrating the world's knowledge as a "network-type research institute".
3. We establish Japan's science and technology infrastructure to accelerate science and technology innovation.

JST at a Glance



Establishment: October 1, 1996 20th Anniversary is coming

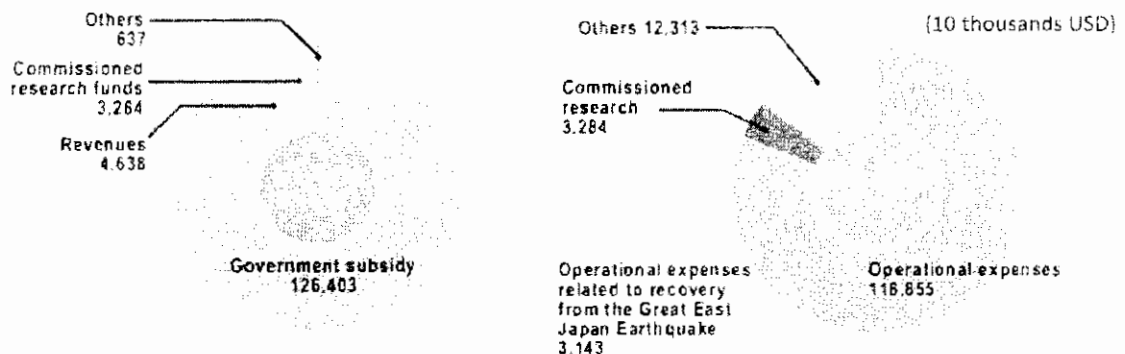
Primary Functions:

- Establishing R&D Strategies
- Building S&T Infrastructure
- Promoting Science Communication
- Operating the National Museum of Emerging Science and Innovation (Miraikan)
- R&D Funding
- Fostering Next-Generation Scientists

of Permanent Staff: 1,247 (including 251 PhDs)
of R&D Projects JST funds: 4,485 Projects

Int'l Joint Projects:
 178 Projects in 51 Countries/Areas

Revenue and Expenditures in Fiscal 2013 (Budget)



SAKURA Exchange Program in Science

- ✿ Scheme
- ✿ Implementation
- ✿ Current/Future



"We are one!"

Mr. Kenny Ho

High school student, Socialist Republic of Vietnam



Scheme of SAKURA Science Plan



Invite highly excellent students in S&T

"Collaboration"

Exchange Programs

Student exchange program
(related organizations)

Youth exchange program
(related organizations)

Private sector's program

Establish the platform and open it to promote the understanding of Japan's cutting edged S&T



Science camp



S&T Contents Platform
produced by JST



Super Science High school



Join in S&T Symposium



Visit to Research institutes



Visit to companies



Visit to Science Museum

Exchange with researchers



Lecture by famous scientist



TWO SUB-PROGRAMS UNDER SAKURA SCIENCE PLAN(1/2)

Program1: Call for Exchange Program proposals (submission type)

Hosts: Japanese high schools, universities, research institutions, private companies and public corporations, etc.,

Partnership: Required between Asian applicants and Japanese hosts

Implementation Schedule: Dates are chosen through consultation from April thru Mid-March.

Multiple calls for proposals are scheduled.

Program2: Sakura Science High School Program

Host: JST (Japan Science and Technology Agency)

Partnership: JST with the relevant Asian government agencies

Implementation Schedule: Mid-May through August (fixed)

The schedule is proposed by JST to the Asian relevant government agencies.



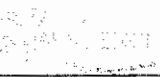
Two Sub-Programs under SAKURA Science Plan(2/2)

Program1: Call for Exchange Program proposals (submission type)

- ✓ Japan's receiving organizations (host institutes) submit to JST the exchange plan negotiated in cooperation with Asian sending organizations.
- ✓ JST selects the well-planned programs with rigorous selection of participants.
- ✓ JST awards the successful receiving organization with the appropriate funds for the operational costs of the selected plan. The plan will be implemented by the Japanese host in close cooperation with the sending organization.

Program2: Sakura Science High School Program

- ✓ JST(host institute) invites outstanding Asian high school students recommended by government agencies to participate in the 8-day program.
- ✓ Invited Asian high school students experience Japan's advanced science and technology through visiting Japan's top level universities and research institutes, attending the lectures by Japanese Nobel laureates, etc.



Exchange Program by Submission (3/4)

Three courses of Exchange Program

(A) Science and Technology Exchange Activity Course:

In this course the Asian youth coming to Japan participate in activities such as attending special lectures, visiting research laboratories at the receiving organization (it is available to include activities at another organizations) based on the arrangements made by the receiving organization, including university, research institution and private company.

Up to ten days.

(B) Collaborative Research Activity Course:

In this course university or graduate school students and postdoctoral researchers from Asia conduct short-term collaborative research activities with Japanese researchers based on the arrangements made by the receiving organization, including university, research institution and private company. Up to three weeks.

(C) Planned Activity Course:

In this course the Asian youth coming to Japan participate in exchange activities such as visiting universities or corporate research laboratories, visiting schools and science museums, participating in scientific experiments and events, based on the arrangements made by the receiving organization. Eligible organizations for becoming receiving organizations are limited to a local government, a zaidan-houjin (social foundation) or a shadan-houjin (social corporation) that does not conduct any educational activity or research activity in science and technology. Up to ten days.

Exchange Program by Submission(4/4)

- ✓ Implementation term: from July 2014 to Mid-March 2015
- ✓ 283 plans were selected by JST
- ✓ A total of over 2,600 youth will be invited
- ✓ Exchange plans have been conducted all over Japan



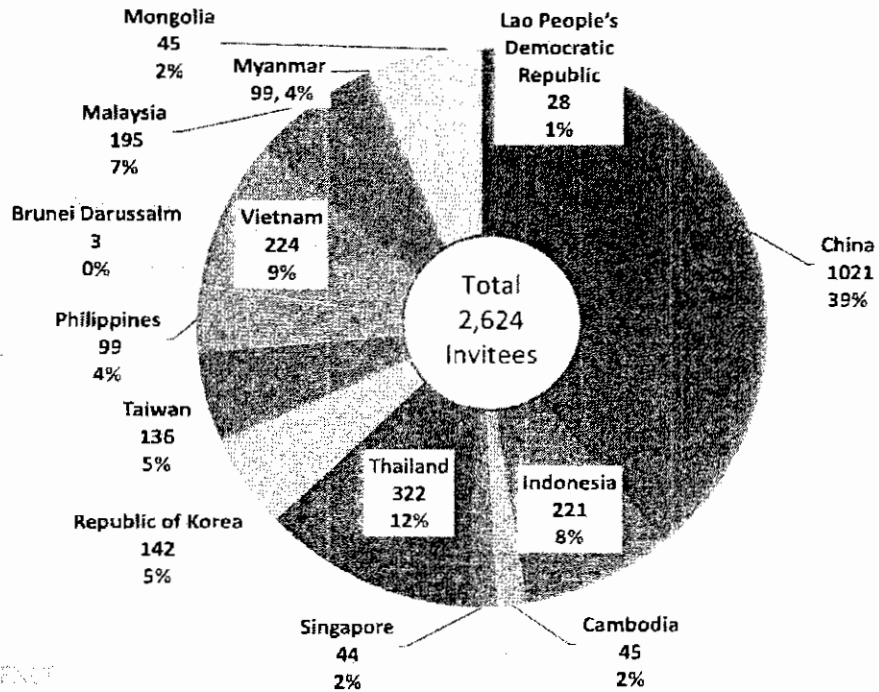
Seminar of functionality sitology program
at Hiroshima University
(from Indonesia, Thailand, Philippine, Korea, Taiwan)



Visiting research laboratory of soft & wet matter engineering
at Yamagata University
(from Thailand, Malaysia, China, Taiwan)

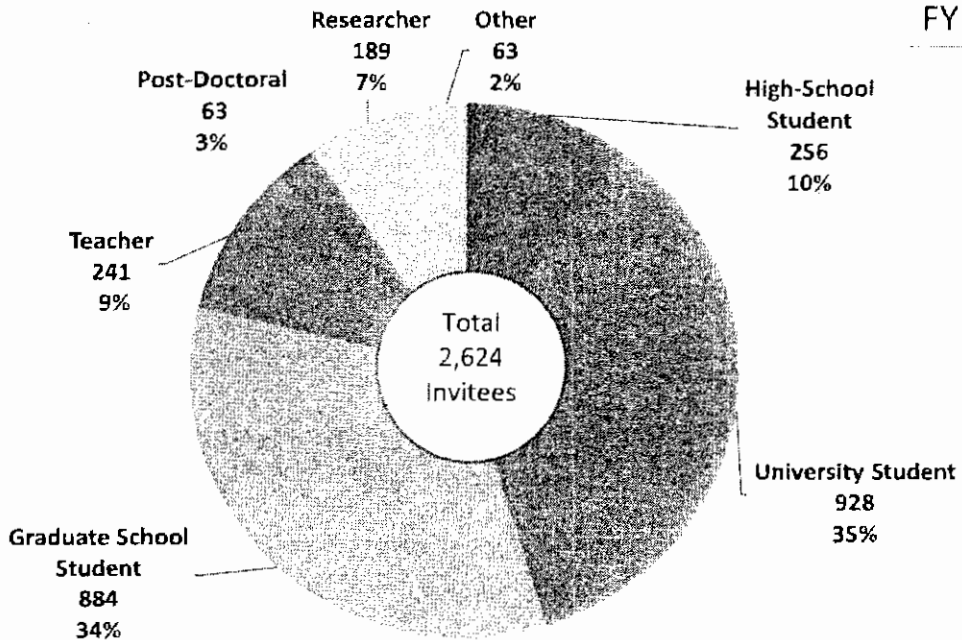
Number of Invitees by Country/Region

FY 2014



Number of Invitees by Affiliation

FY 2014



Japan-Asia Youth Exchange Program in Science SAKURA Exchange Program in Science



Let's build
the future of Asia
on science

The Sakura Exchange Program in Science (Sakura Science Program: SSP), a short-term invitational program, is designed for those who wish to experience Japan and to learn more about research and development going on in Japanese universities and research institutes.

Join the Sakura Science Program to deepen your R&D knowledge in Japan and widen your possibilities in Asia.

SAKURA
SCIENCE

Exchange Program in Science

Applicant Eligibility

• Aspiring youth (under the age of 40) from the following countries and regions:

The People's Republic of China, Republic of Korea, Mongolia, Taiwan, Brunei Darussalam, Kingdom of Cambodia, Republic of Indonesia, Lao People's Democratic Republic, Malaysia, Republic of the Union of Myanmar, Republic of the Philippines, Republic of Singapore, Kingdom of Thailand, Socialist Republic of Viet Nam, and Republic of India.

• Preference is given to those who have not previously visited Japan.

Application for SSP Programs

- Through cooperation with a Japanese host institute (university)
- Several calls for exchange plan proposals will be made in 2015.
- Applications should be made in coordination with an Asian institute in your own country and a Japanese host institute, not on an individual basis.

Visit Destinations

Japanese universities / research institutes / high schools with additional visits to give a flavor of Japanese culture

Expenses

Air fare, hotel accommodation, meals and travel insurance are covered by the Japanese host institute. You only need to bring yourself and your curiosity.



Japan Science and
Technology Agency

Inquires to

Japan-Asia Youth Exchange Program in Science Promotion Office, Japan Science and Technology Agency (JST)

Science Plaza 5-3, Yonbando, Chiyoda-ku, Tokyo 102-8666 Japan TEL: +81-3-5214-7556 FAX: +81-3-5214-7379 E-mail: ssp@jst.go.jp URL: <http://ssp.jst.go.jp/Eh/index.html>

Classification	Organization	URL	Contact person	Title	Email
Public	Osaka University	http://www.osaka-u.ac.jp/en/index.html	Dr. Toshifumi Ise	Professor, Division of Electrical, Electronic and Information Engineering, Graduate School of Engineering	ise@eei.eng.osaka-u.ac.jp
Public	Osaka University	http://www.osaka-u.ac.jp/en/index.html	Prof. Mihoko Katsumata	Specially Appointed Associate Professor, Project to Create Research and Educational Hubs for Innovative Manufacturing in Asia	katsumata@jwri.osaka-u.ac.jp
Public	Osaka University	http://www.osaka-u.ac.jp/en/index.html	Prof. Yoshinobu Onishi	Professor and Deputy Director, International College of Global Admissions Office(GAO)	y-onishi@mail.osaka-u.ac.jp
Public	Kumamoto University	http://ewww.kumamoto-u.ac.jp/	Ms. Miyuki Miyayama	Center for Globalization, International Affairs Division	gji-kikaku@jimu.kumamoto-u.ac.jp
Public	Shizuoka University	http://www.shizuoka.ac.jp/english/	Ms. Yukie Nakayasu	Specially appointed staff, Organization for the Promotion of Global Education Programs	oynakay1@ipc.shizuoka.ac.jp
Public	Shizuoka University	http://www.shizuoka.ac.jp/english/	Ms. Sayaka Uchikawa	Specially appointed assistant teacher, Organization for the Promotion of Global Education Programs	uchikawa.sayaka@shizuoka.ac.jp
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Private	Shibaura Institute of Technology	http://global.shibaura-it.ac.jp/en/	Prof. Muralidhar Miryala	Professor, Superconducting Materials Laboratory, Center for Promotion of Educational Innovation	i035916@ow.shibaura-it.ac.jp
Private	Sophia University	http://www.sophia.ac.jp/english_top	Ms. Machiko Sato	Office of Global Education and Collaboration	Machiko_Sato@cl.sophia.ac.jp
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Public	The University of Tokyo	http://www.u-tokyo.ac.jp/en/	Mr. Kentaro Sugiura	Director, International Affairs Division	sugiura.kentaro@mail.u-tokyo.ac.jp
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Public	Nagaoka University of Technology	http://voice.nagaokaut.ac.jp/	Ms. Mitsuko Seki	Assistant Manager, Division of International Affairs	ryugaku@com.nagaokaut.ac.jp
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Public	Nagoya Institute of Technology	http://www.nitech.ac.jp/english/index.html	Mr. Tsubasa Shibano	International Affairs Office	shibano.tasuku@nitech.ac.jp
Public	Nara Institute of Science and Technology	http://www.naist.jp/en/	Ms. June Iwatsuki	International Activities Coordinator, Center for International Relations	kokusai@ad.naist.jp
Private	Ritsumeikan University	http://www.ritsumei.ac.jp/english/	Ms. Hiromi Yamada	Administrative Manager, Office of Academic Affairs, Faculty of Science and Engineering	hiromi-y@st.ritsumei.ac.jp
Private	Ritsumeikan University	http://www.ritsumei.ac.jp/english/	Mr. Yoshiro Hamasaki	Assistant Administrative Manager, Division of General Planning and Development, Office of Global Planning and Partnerships	yoshi-h@st.ritsumei.ac.jp, oics@st.ritsumei.ac.jp
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