

The 2nd International Seminar on Global Nuclear Human Resource Development for Safety, Security and Safeguards

-Fukushima Daiichi Accident-



February 18-26, 2013

Grand Pacific Le Daiba and Plaza HEISEI,
Tokyo International Exchange Center,
Tokyo, Japan

Organized by
Academy for Global Nuclear Safety and Security Agent,
Tokyo Institute of Technology

In Cooperation with
Embassy of France in Japan
World Nuclear University (WNU)
European Nuclear Education Network (ENEN)
Central Institute for Continuing Education and Training, Russia
International Nuclear Research Cooperation Center, Tokyo Tech.



AMBASSADE DE FRANCE
AU JAPON



PROGRAM at Glance

Time	8	9	10	11	12	13	14	15	16	17	18	19	20	21
17 Sun									Pre-Registration & Orientation (Meeting Room 3, Plaza HESEI)			Guest Speaker's Meeting (LE BOUQUET, 2F, Grand Pacific Le Daiba)		
18 Mon		Registration (Palais Royal, B1, Grand Pacific Le Daiba)												
		Opening & Plenary 1 (Palais Royal, B1)			Plenary 2 & Photo			Plenary 3 (Palais Royal, B1)	Plenary 4 (Palais Royal, B1)			Evening Session (Chatelet, B1)		
19 Tue		Registration (Ginga, 29F)												
		Plenary 5 (GINGA, 29F)	Plenary 6 (GINGA, 29F)					Lecture Session 1 (Media Hall, Plaza HESEI) Group Discussion of Students	Group Discussion with Guest Speakers					
20 Wed		Lecture Session 2 (Media Hall, Plaza HESEI) Lecture 1 Group Discussion and Q&A						Lecture Session 2 (Media Hall, Plaza HESEI) Lecture 2 Group Discussion and Q&A						
21 Thu		Lecture Session 3 (Media Hall, Plaza HESEI) Lecture 3 Group Discussion and Q&A						Lecture Session 3 (Media Hall, Plaza HESEI) L.4 G. D. and Q&A	Lecture 5 Group Discussion and Q&A					
22 Fri		Lecture Session 4 (Meeting Room 1, Plaza HESEI) Lecture 6 Group Discussion and Q&A						Lecture Session 5 (Meeting Room 1, Plaza HESEI) Lecture 7 Group Discussion and Q&A						
23 Sat			Field Work Radioactivity Measurement in Tokyo	Move to Fukushima										
24 Sun		Move	Field Work Radioactivity Measurement in Fukushima	Move to Onagawa										
25 Mon	Move	Facility Visit Onagawa NPP Tour Q&A (Lunch)			Move to Tokyo									
26 Tue		Summary Session (Media Hall, Plaza HESEI) Presentation 1 (Students)						Summary Session (Media Hall, Plaza HESEI) Presentation 2 (Students)	Special Lecture & Closing					

Opening and Plenary Sessions

Opening Session

Chair : Masayuki IGASHIRA (*Tokyo Tech., Japan*)

Address :

Yoshinao MISHIMA (*Tokyo Tech., Japan*)

TBD (*MEXT, Japan*)

Remarks :

Masaki SAITO (*Tokyo Tech., Japan*)

Plenary Session 1

Chair : Tomihiro TANIGUCHI (*Tokyo Tech., Japan*)

Keynote Speakers :

Yotaro HATAMURA (*Kogakuin University, Japan*)

TBD (*IAEA*)

Remi LAMBERT (*Embassy of France in Japan*)

Plenary Session 2

Chair : Masaki SAITO (*Tokyo Tech., Japan*)

Special Speaker :

Kenji KAMIYA (*Hiroshima University, Japan*)

Plenary Session 3

Chair : Akira OMOTO (*Tokyo Tech., Japan*)

Speakers :

Alan WALTAR (*Texas A&M (Former), USA*)

Andrey KARASEV (*Rusatom Overseas, Russia*)

Philippe JAMET (*ASN, France*)

Plenary Session 4

Chair : Masaki SAITO (*Tokyo Tech., Japan*)

Panelists :

Zoltan PASZTORY (*IAEA*)

Francois PERHET (*WNU / WNA*)

Ryoko KUSUMI (*ENEN*)

Vladimir ARTISYUK (*CICET, Russia*)

Ki-In HAN (*KINGS, Korea*)

Masaki SAITO (*Tokyo Tech., Japan*)

Plenary Session 5

Chair : Hideo NAGASAKA (*Tokyo Tech., Japan*)

Speakers :

Moon Hee CHANG (*KAERI, Korea*)

Vuong Huu Tan (*VARANS, Vietnam*)

Zaki Suud (*Bandung Institute of Technology, Indonesia*)

Plenary Session 6

Chair : Yoshihiro NISHIWAKI (*Tokyo Tech., Japan*)

Speakers :

Noramly Muslim (*IAEA (Former), Malaysia*)

Akira OMOTO (*Tokyo Tech., Japan*)

Closing :

Masayuki IGASHIRA (*Tokyo Tech., Japan*)

Lecture and Summary Sessions (Closed)

Lecture Session 1

Moderator : Kyoko OBA (*Tokyo Tech., Japan*)

Lecture Session 2

Moderators :

Akira OMOTO (*Tokyo Tech., Japan*)

Hideo NAGASAKA (*Tokyo Tech., Japan*)

Speakers :

Robert GELLER (*The University of Tokyo., Japan*)

Hideo NAGASAKA (*Tokyo Tech., Japan*)

Tsuneo FUTAMI (*Tokyo Tech., Japan*)

Lecture Session 3

Moderators :

Yoshihiro NISHIWAKI (*Tokyo Tech., Japan*)

Kenji TAKESHITA (*Tokyo Tech., Japan*)

Speakers :

Yoshihisa MATSUMOTO (*Tokyo Tech., Japan*)

Yoshirhiro NISHIWAKI (*Tokyo Tech., Japan*)

Kentaro FUNAKI (*METI, Japan*)

Miroslav PINAK (*IAEA*)

Takeshi SEKIYA (*Ministry of Environment, Japan*)

Kenji TAKESHITA (*Tokyo Tech., Japan*)

Irena MELE (*IAEA*) Video

Lecture Session 4

Moderator :

Akira OMOTO (*Tokyo Tech., Japan*)

Speakers :

Joonhong AHN (*UCB, USA*)

Frank CARRE (*CEA, France*)

Akira OMOTO (*Tokyo Tech., Japan*)

Lecture Session 5

Moderator :

Hideo NAGASAKA (*Tokyo Tech., Japan*)

Speakers :

Francois BOUTEILLE (*AREVA, France*)

Kumiaki MORIYA (*Hitachi-GE, Japan*)

Summary Session

Presenters :

Participant Students and Young Professionals

Speaker :

Noramly Muslim (*IAEA (Former), Malaysia*)

Awards and Closing :

Masaki SAITO (*Tokyo Tech., Japan*)

PROGRAM

Orientation and Guest Speaker's Meeting

February 17 (Sunday)

Pre-Registration and Orientation

15:00-17:00

(Meeting Room 3, Plaza HEISEI, Tokyo International Exchange Center)

Guest Speaker's Meeting

18:30-20:30

(LE BOUQUET, 2F, Grand Pacific Le Daiba)

Opening and Plenary Sessions

February 18 (Monday)

(Palais Royal, B1, Grand Pacific Le Daiba)

Registration

08:30-

Opening Session

Chaired by Masayuki IGASHIRA (Professor, Tokyo Institute of Technology, Japan)

09:00-09:15

Welcome Address

Yoshinao MISHIMA (President, Tokyo Institute of Technology, Japan)

Opening Address

TBD (Ministry of Education, Culture, Sports, Science and Technology, Japan)

Chairperson's Remarks

Masaki SAITO (Professor and Coordinator, Program for Leading Graduate School of Global Nuclear Human Resource Development for 3S (Safety, Security, and Safeguards), Tokyo Institute of Technology, Japan)

Plenary Session 1

Chaired by Tomihiro TANIGUCHI (Professor, Tokyo Institute of Technology, Japan)

09:15-11:30

Keynote Speech 1

Yotaro HATAMURA (Professor, Kogakuin University and Former Chairman, TEPCO, Fukushima Nuclear Power Plant, Accident Investigation Board, Japan)

Keynote Speech 2

TBD (IAEA)

Keynote Speech 3

Remi LAMBERT (Political Counselor, Embassy of France in Japan)

11:30-11:45

Tea Break

Plenary Session 2

Chaired by Masaki SAITO (Professor and Coordinator, Tokyo Institute of Technology, Japan)

11:45-12:30

Special Report

"Health Effects from Fukushima Accidents"

Kenji KAMIYA (Professor and Director, Research Institute for Radiation Biology and Medicine, Hiroshima University, Japan)

12:30-14:00

Photo and Lunch

Plenary Sessions

Plenary Session 3

“Changes in Light of the Fukushima Daiichi Accident”

Chaired by Akira OMOTO (Professor, Tokyo Institute of Technology, Japan)

14:00-15:30

Invited Speech 1

Alan WALTAR (Former Professor and Head, Dept. of Nuclear Engineering, Texas A&M University, USA)

Invited Speech 2

Andrey KARASEV (Director, Dept. of International Nuclear Safety and Security, Rusatom Overseas, Russia)

Invited Speech 3

Philippe JMET (Commissioner, ASN (Nuclear Safety Authority), France)

15:30-15:45

Tea Break

Plenary Session 4

“Panel Discussions on Education of Nuclear Engineering after Fukushima Accident”

Chaired by Masaki SAITO (Professor and Coordinator, Tokyo Institute of Technology, Japan)

15:45-17:45

Panelists

(15 min. Presentation/Each Panelist and Discussions)

Zoltan PASTORY (Group Leader, Nuclear Knowledge Management Section, IAEA)

Francois PERCHET (Technical Advisor, WNU (World Nuclear University) and WNA (World Nuclear Association))

Ryoko KUSUMI (Secretary General, ENEN (European Nuclear Education Network))

Vladimir ARTISYUK (Professor and Vice-Rector, CICET (Central Institute for Continuing Education and Training), Russia)

Ki-In HAN (Professor and Dean of Academic Affairs, KINGS (KEPCO International Nuclear Graduate School), Korea)

Masaki SAITO (Professor and Coordinator, Tokyo Institute of Technology, Japan)

Evening Session

Exchange Views on the Problems

18:00-20:00

(Chatelet, B1, Grand Pacific Le Daiba)

February 19 (Tuesday)
(GINGA, 29F, Grand Pacific Le Daiba)

Plenary Session 5

“Future of Nuclear Energy in Asia (1)”

Chaired by Hideo NAGASKA (Professor, Tokyo Institute of Technology, Japan)

09:00-10:30

Invited Speech 4

Moon Hee CHANG (Former Senior Vice President, KAERI (Korea Atomic Energy Research Institute), Korea)

Invited Speech 5

Vuong Huu Tan (Director General, VARANS (Vietnam Agency for Radiation and Nuclear Safety), Vietnam)

Invited Speech 6

Zaki Suud (Professor, Bandung Institute of Technology, Indonesia)

10:30-10:45

Tea Break

Plenary Session 6

“Future of Nuclear Energy in Asia (2)”

Chaired by Yoshihiro NISHIWAKI (Professor, Tokyo Institute of Technology, Japan)

10:45-11:45

Invited Speech 7

Noramly Muslim (Former Deputy Director General, Dept. of Technical Cooperation, IAEA, Malaysia)

Invited Speech 8

Akira OMOTO (Professor, Academy for Global Nuclear Safety and Security Agent, Tokyo Institute of Technology and Commissioner, Atomic Energy Commission of Japan, Japan)

11:45-12:00

Closing Remarks of Plenary Sessions

Masayuki IGASHIRA (Professor, Tokyo Institute of Technology, Japan)

12:00-13:30

Lunch

13:30

Students/Young Professionals Move to Lecture Session Room (Media Hall, Plaza HEISEI, Tokyo International Exchange Center)

Lectuer Sessions (Closed)

(Only for Students/Young Professionals with Pre-Registration)

February 19 (Tuesday)

(Media Hall, Plaza HEISEI, Tokyo International Exchange Center)

Lecture Session 1

“Students Discussions with Guest Speakers in Plenary Session”

Moderated by *Kyoko OBA (Associate Professor, Tokyo Institute of Technology, Japan)*

13:45-15:00 **Group Discussions**
Preparation of Questions to Guest Speakers

(14:30) *Guest Speakers in the Plenary Sessions Move to Seminar Room*

15:00-17:00 **Discussions with Guest Speakers**

Yotaro HATAMURA (Professor, Kogakuin University and Chairman, TEPCO, Fukushima Nuclear Power Plant, Accident Investigation Board, Japan)

TBD (IAEA)

Remi LAMBERT (Political Counselor, Embassy of France in Japan)

Kenji KAMIYA (Professor and Director, Hiroshima University, Japan)

Alan WALTAR (Former Professor and Head, Dept. of Nuclear Engineering, Texas A&M University, USA)

Andrey KARASEV (Director, Dept. of International Nuclear Safety and Security, Rusatom Overseas, Russia)

Philippe JAMET (Commissioner, ASN (Nuclear Safety Authority), France)

Zoltan PASTORY (Group Leader, Nuclear Knowledge Management Section, IAEA)

Francois PERCHET (Technical Advisor, WNU (World Nuclear University) and WNA (World Nuclear Association))

Ryoko KUSUMI (Secretary General, ENEN (European Nuclear Education Network))

Vladimir ARTISYUK (Professor and Vice-Rector, CICET (Central Institute for Continuing Education and Training), Russia)

Ki-In HAN (Professor and Dean of Academic Affairs, KINGS (KEPCO International Nuclear Graduate School, Korea)

Moon Hee CHANG (Former Senior Vice President, KAERI (Korea Atomic Energy Research Institute), Korea)

Vuong Huu Tan (Director General, VARANS (Vietnam Agency for Radiation and Nuclear Safety), Vietnam)

Zaki Suud (Professor, Bandung Institute of Technology, Indonesia)

Noramly Muslim (Former Deputy Director General, Dept. of Technical Cooperation, IAEA, Malaysia)

Lectuer Sessions (Closed)

(Only for Students/Young Professionals with Pre-Registration)

February 20 (Wednesday)

(Media Hall, Plaza HEISEI, Tokyo International Exchange Center)

Lecture Session 2

“What Happened and Why Unexpected ?”

09:00-10:00

Lecture 1

“3.11 Earthquake and Tsunami”

Moderated by Akira OMOTO (Professor, Tokyo Institute of Technology, Japan)

Robert GELLER (Professor, Geophysics, The University of Tokyo, Japan)

10:00-11:30

Group Discussions and Q&A

(Including Tea Break)

11:30-13:00

Lunch

13:00-15:30

Lecture 2

“Plant Design, Response, Accident Management and Offsite Release”

Moderated by Hideo NAGASAKA (Professor, Tokyo Institute of Technology, Japan)

Hideo NAGASAKA (Professor, Academy for Global Nuclear Safety and Security Agent, Tokyo Institute of Technology, Japan)

Tsuneo FUTAMI (Professor, Global Human Resource Development, Tokyo Institute of Technology, Japan)

15:30-17:00

Group Discussions and Q&A

(Including Tea Break)

Lectuer Sessions (Closed)

(Only for Students/Young Professionals with Pre-Registration)

February 21 (Thursday)

(Media Hall, Plaza HEISEI, Tokyo International Exchange Center)

Lecture Session 3

"Environmental Consequences of the Accident and Remediation"

09:00-10:30

Lecture 3

"Public Health, Environmental Effect and Crisis Management"

Moderated by Yoshihiro NISHIWAKI (Professor, Tokyo Institute of Technology, Japan)

Yoshihisa MATSUMOTO (Associate Professor, Research Laboratory for Nuclear Reactors, Tokyo Institute of Technology, Japan)

Yoshihiro NISHIWAKI (Professor, Academy for Global Nuclear Safety and Security Agent, Tokyo Institute of Technology, Japan)

10:30-12:00

Group Discussions and Q&A

(Including Tea Break)

12:00-13:00

Lunch

13:00-13:30

Lecture 4

"Offsite Remedial Actions"

Moderated by Yoshihiro NISHIWAKI (Professor, Tokyo Institute of Technology, Japan)

Kentaro FUNAKI ((Director, Nuclear Accident Response Office, ANRE (Agency of Natural Resources and Energy), METI (Ministry of Economy, Trade and Industry), Japan)

13:30-14:15

Group Discussion and Q&A

(Including Tea Break)

14:15-16:15

Lecture 5

"Onsite Remedial Activities"

Moderated by Kenji TAKESHITA (Professor, Tokyo Institute of Technology, Japan)

Miroslav PINAK (Head, Radiation Safety and Monitoring Section, IAEA)

Takeshi SEKIYA (Director, International Cooperation Office for Decontamination of Radioactive Materials, Environmental Management Bureau, Ministry of the Environment, Japan)

Kenji TAKESHITA (Professor, Research Laboratory for Nuclear Reactors, Tokyo Institute of Technology, Japan)

Irena MELE (Head, Waste Technology Section, IAEA) *Video*

16:15-17:30

Group Discussions and Q&A

(Including Tea Break)

Lectuer Sessions (Closed)

(Only for Students/Young Professionals with Pre-Registration)

February 22 (Friday)

(Meeting Room 1, Plaza HEISEI, Tokyo International Exchange Center)

Lecture Session 4

“What Lessons Are Universal and What Changes Are Necessary?”

09:00-11:00

Lecture 6

Moderated by Akira OMOTO (Professor, Tokyo Institute of Technology, Japan)

Joonhong AHN (Professor, Dept. of Nuclear Engineering, University of California, Berkeley, USA)

Frank CARRE (Scientific Director, Nuclear Energy Division, CEA (French Commission for Atomic and Alternative Energies), France)

Akira OMOTO (Professor, Academy for Global Nuclear Safety and Security Agent, Tokyo Institute of Technology and Commissioner, Atomic Energy Commission of Japan, Japan)

11:00-12:30

Group Discussions and Q&A

(Including Tea Break)

12:30-13:30

Lunch

Lecture Session 5

“Safety Design of Future Nuclear Energy System”

13:30-15:00

Lecture 7

Moderated by Yoshihiro NISHIWAKI (Professor, Tokyo Institute of Technology, Japan)

Francois BOUTEILLE (Senior Vice President, Safety and Licensing, AREVA, France)

Kumiaki MORIYA (Chief Nuclear Engineer, Nuclear Energy, Hitachi-GE, Japan)

15:00-16:30

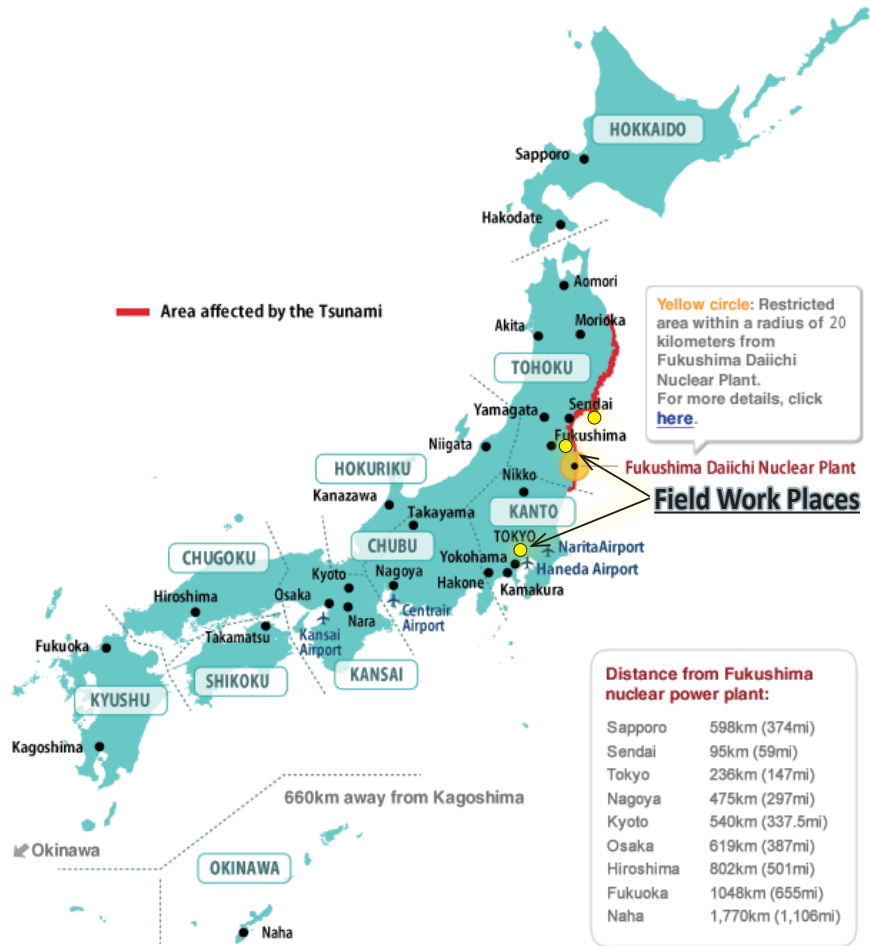
Group Discussions and Q&A

(Including Tea Break)

Field Work in Tokyo and Fukushima (Closed)

(Only for Students/Young Professionals with Pre-Registration)

February 23 (Saturday)
February 24 (Sunday)



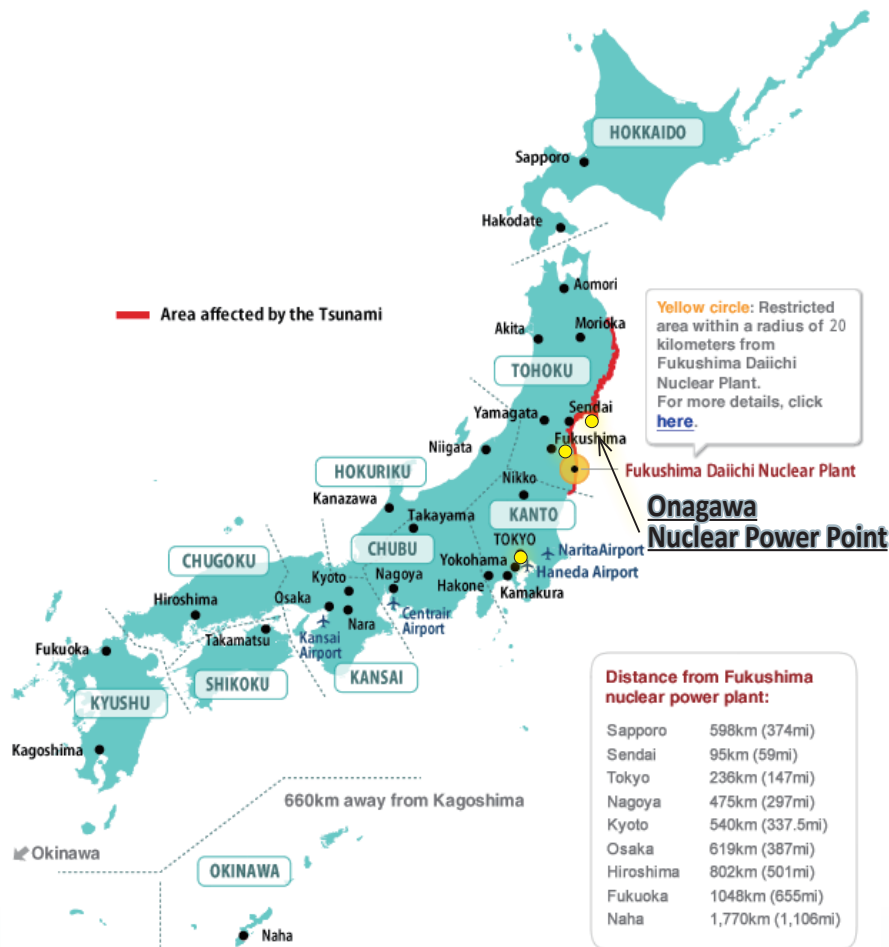
<http://www.jnto.go.jp/eq/img/eng/map.png>



Facility Visit to Onagawa NPP (Closed)

(Only for Students/Young Professionals with Pre-Registration)

February 25 (Monday)



Summary Session (Closed)

(Only for Students/Young Professionals with Pre-Registration)

February 26 (Tuesday)

(Media Hall, Plaza HEISEI, Tokyo International Exchange Center)

Summary Session

08:30-12:00 **Presentation by Students/Young Professionals (1)**

10 min. Presentation per Person and Q&A

(Including Tea Break)

12:00-13:00 **Lunch**

13:00-16:30 **Presentation by Students/Young Professionals (2)**

10 min. Presentation per Person and Q&A

(Including Tea Break)

16:30-17:00 **Special Lecture**

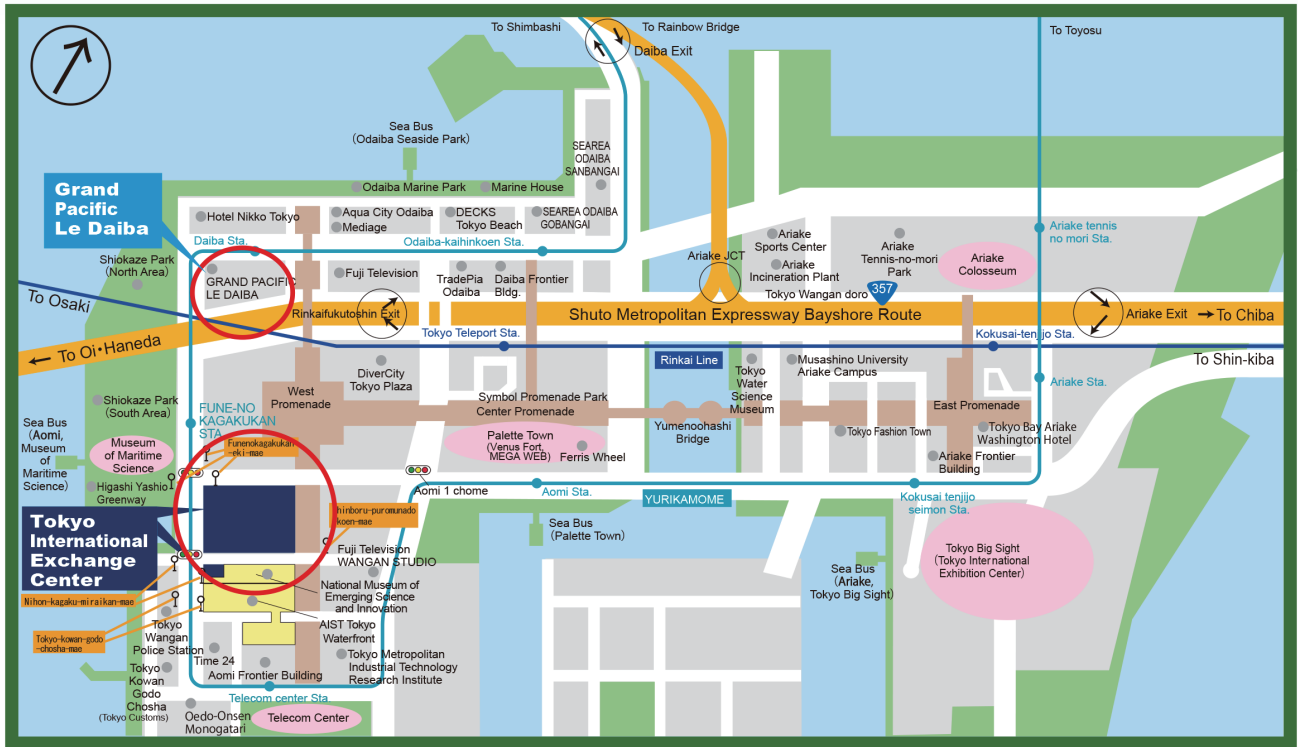
“Peaceful Use of Nuclear Energy for Sustainable Growth in the World in Future (*Tentative*)”

Noramly Muslim (Former Deputy Director General, Department of Technical Cooperation, IAEA, Malaysia)

17:00-17:15 **Awards and Closing**

Masaki SAITO (Professor and Coordinator, Tokyo Institute of Technology, Japan)

VENUE



Opening and Plenary Sessions

(Feb. 18 - 19 Morning)
Grand Pacific Le Daiba

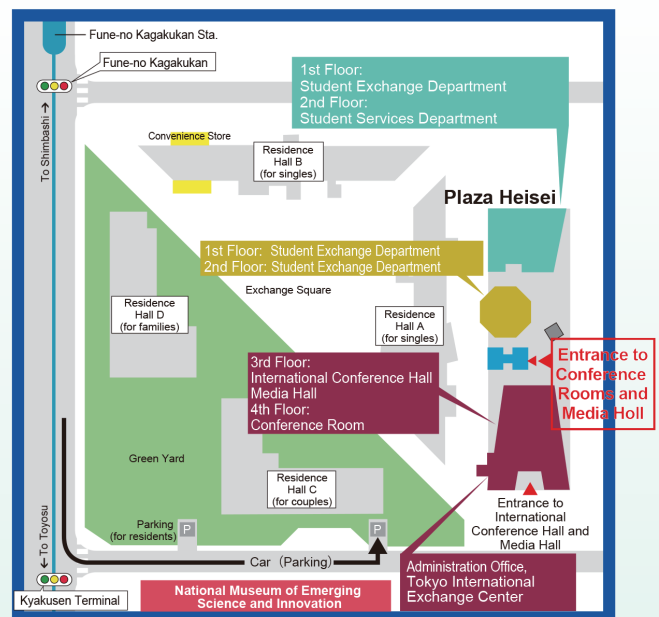
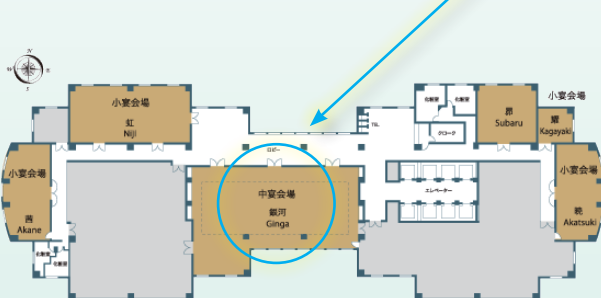
Lecture and Summary Sessions (Closed)

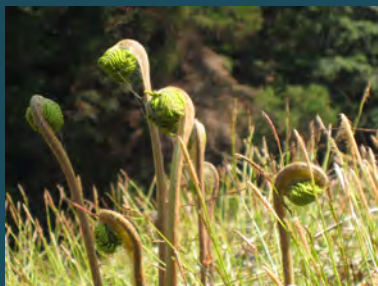
(Feb. 19 Afternoon - 22 and Feb. 26)
Tokyo International Exchange Center

B1F



29F





千
分
客

