

# Japan-IAEA Nuclear Energy Management School 2018

July 17-August 2, 2018  
Tokyo & Fukushima, JAPAN

## Programme

July 17, Tuesday @ Annex, Yayoi Auditorium, the University of Tokyo

Time	Opening		Room
8:30~ 9:30	Registration		Annex
9:30~10:15	Opening Ceremony		Annex
10:15~10:30	Group Photographs, BREAK		
Time	Key Note: History and Future of Nuclear Energy		Room
10:30~11:30	Utilization of nuclear energy	Prof Oka (Japan Atomic Energy Commission)	Annex
11:30~12:15	Current Status and Future Vision of Nuclear Energy	Mr Huang (International Atomic Energy Agency)	Annex
Time	Orientation		
12:15~13:30	LUNCH		
13:30~14:45	Orientation	Prof Uesaka (The University of Tokyo)	Annex
Time	Lectures		
14:45~15:15	BREAK		
15:15~17:00	International Regime of Nuclear Safety and Security	Mr Tonhauser (International Atomic Energy Agency)	Annex
17:30~19:30	WELCOME RECEPTION (Hosted by The University of Tokyo)		

July 18, Wednesday @ The University of Tokyo

Time	Lectures		Room
8:50~9:00	Administration		4F-423
9:00~11:30	International Regime of Compensation for Nuclear Damage Discussion about Nuclear Law	Mr Tonhauser (International Atomic Energy Agency)	4F-423
11:30~13:00	LUNCH		
13:00~13:45	International Nuclear Non-Proliferation Regimes and Japan's Efforts	Mr Tamai (Japan Atomic Energy Agency)	2F-31
13:45~14:45	IAEA's role on Safeguards	Mr Hurt (International Atomic Energy Agency)	2F-31
14:45~15:00	BREAK		
15:00~17:00	Lessons learned from experiences of the Great East Japan Earthquake at Fukushima Daini NPP	Mr Masuda (Tokyo Electric Power Company Holdings, Inc.)	2F-31

## July 19, Thursday @ The University of Tokyo

Time	Lectures	Room
8:50~9:00	Administration	4F-34
9:00~10:20	<b>Milestone Approach</b>	<b>Mr Yagi</b> (Ministry of Economy, Trade & Industry)
10:20~11:30	<b>Principles of Industrial Involvement</b>	<b>Mr Yagi</b> (Ministry of Economy, Trade & Industry)

Time	Case Studies	Room
11:30~13:00	LUNCH	
13:00~14:30	<b>Nuclear Power Project in UK</b>	<b>Mr Yoshimura</b> (Hitachi-GE Nuclear Energy, Ltd.)
14:30~14:50	BREAK	
14:50~15:50	<b>Industrial Involvement in EPC Projects</b>	<b>Mr Yamabe</b> (Mitsubishi Heavy Industries, Ltd.)
15:50~16:10	BREAK	
16:10~17:10	<b>Fuel Supply for LWRs</b> --Fuel fabrication and core management--	<b>Mr Kitayama and Mr Ushio</b> (Nuclear Fuel Industries, Ltd.)

## July 20, Friday @The University of Tokyo

Time	Lectures	Room
8:50~9:00	Administration	4F-423
9:00~10:00	<b>Strengthening Safety and Improving Safety Culture</b>	<b>Mr Sekimura</b> (The University of Tokyo)
10:00~10:20	BREAK	
10:20~11:30	<b>Risk Analysis and Management</b>	<b>Mr Yamaguchi</b> (The University of Tokyo)
11:30~13:00	LUNCH	
13:00~13:45	<b>Management of Nuclear Power Projects</b>	<b>Mr Anahara</b> (Tokyo Electric Power Company Holdings, Inc.)
13:45~14:45	<b>R&amp;D for Decommissioning of Fukushima Daiichi NPS</b>	<b>Mr Okamoto</b> (Japan Atomic Energy Agency & The University of Tokyo)
14:45~15:00	BREAK	
15:00~16:00	Nuclear Power Industry Economics and Policy in the Global Market	<b>Ms Murakami</b> (The Institute of Energy Economics Japan)

Time	Social Events	Room
16:00~17:30	<p><b>Alumni Association</b></p> <ul style="list-style-type: none"> <li>• Report from WNU(World Nuclear University) – SI (Summer Institute) Alumni <ul style="list-style-type: none"> <li>-Mr. Akihiro Ide, Mitsubishi FBR Systems (WNU-SI 2017 Fellow)</li> </ul> </li> <li>• Country Reports from Foreign Participants <ul style="list-style-type: none"> <li>-Mr. Mohammed Albrak, King Abdullah City for Atomic &amp; Renewable Energy(KACARE), Saudi Arabia</li> <li>-Mr. Thiago Capel Krempel, Electrobras Electronuclear S.A., Brazil</li> <li>-Mr. Mehmet Özcan, Akkuyu Joint Stock Company, Turkey</li> </ul> </li> <li>• Introduction of IAEA INMA (International Nuclear Management Academy) <ul style="list-style-type: none"> <li>-Prof. Mitsuru Uesaka, The University of Tokyo</li> </ul> </li> <li>• Introduction of IAEA INMA Student Session <ul style="list-style-type: none"> <li>-Mr. Shota Ueda, The University of Tokyo</li> </ul> </li> <li>• Introduction of a Technical Tour <ul style="list-style-type: none"> <li>-Ms. Yuko Ikuta, Japan Atomic Energy Agency (JAEA)</li> </ul> </li> </ul>	4F-35
	Conductor: <b>Prof Uesaka</b> (The University of Tokyo)	

### July 21(Saturday), 22 (Sunday) @ Tokyo

Time	
	Free

### July 23, Monday, Hitachi and Iwaki

Time	Technical Tour
	Moving to Hitachi
11:00~15:50	<b>Technical Tour at Hitachi</b>
15:50~17:45	Moving to Hotel
18:00~19:30	<b>WELCOME RECEPTION</b> (Hosted by National Institute of Technology & IAEA)

**July 24, Tuesday @ Futaba County, Fukushima**

Time	Technical Tour
7:30~9:00	Moving to Technical Tour
9:00~17:00	<b>Technical Tour at Fukushima Dai-ichi Nuclear Power Station</b>
	LUNCH
	<b>Technical Tour at Fukushima Daini Nuclear Power Stations</b>

**July 25, Wednesday @ Iwaki City**

Time	Technical Tour
7:30~9:00	Moving to Technical Tour
9:00~16:30	<b>Technical Tour at Remediation and Monitoring Activities in Iwaki City</b>

**July 26, Thursday @ JAEA Facilities in Fukushima  
And NIT Fukushima Campus**

Time	Lectures
8:15~9:00	Moving to Technical Tour
9:00~11:40	<b>Technical Tour at JAEA Facilities</b>
	- <b>Naraha Remote Technology Center</b> - <b>Collaboration Laboratories for Advanced Decommissioning Science</b>
11:45~12:50	LUNCH
12:50~14:00	Moving to Technical Tour NIT Fukushima Campus
14:00~15:10	<b>Nuclear Knowledge Management</b> <span style="float:right"><b>Mr Ganesan</b> (International Atomic Energy Agency)</span>
15:10~15:30	BREAK
15:30~17:00	<b>Radioactive Waste Management in Japan</b> <span style="float:right"><b>Mr Nakayama</b> (Japan Atomic Energy Agency)</span>

**July 27, Friday @ NIT Fukushima Campus**

Time	Lectures
9:10~9:20	Administration
9:20~10:30	<b>Emergency Preparedness and Response</b> <span style="float:right"><b>Mr Watanabe</b> (Japan Atomic Energy Agency)</span>
10:30~10:50	BREAK
10:50~12:00	<b>Country Report</b>
12:00~13:30	LUNCH
13:30~14:40	<b>Current Status of Advance Reactor Development</b> <span style="float:right"><b>Mr Yan</b> (Japan Atomic Energy Agency)</span>

Time	Social Event	
14:40~15:00	BREAK	
15:00~17:00	Communication with the Local Residence (Social Events with College Students)	Mr Takada & Mr Suzuki (National College of Technology)

### July 28 (Saturday) & 29 (Sunday)

Time	
	Free

### July 30, Monday @ The University of Tokyo

Time	Lectures	Room
8:50~9:00	Administration	4F-423
9:00~12:00	<b>Nuclear Sectors in Japan</b>	<b>Mr Toba</b> (JAIF International Cooperation Center)
	<b>Nuclear Sectors in Korea</b>	<b>Mr Hah</b> (KEPCO International Nuclear Graduate School)
	<b>Nuclear Sectors in China</b>	<b>Mr Yang</b> (China Nuclear Energy Association)

Time	Lectures / Exercise	Room
12:00~13:30	LUNCH	
13:30~14:00	<b>Nuclear Security</b>	<b>Mr Naoi</b> (Japan Atomic Energy Agency) 4F-423
14:00~14:30	<b>Introduction of Group Project</b>	<b>Mr Murakami</b> (Nagaoka University of Technology) 4F-423
14:30~17:00	<b>Scenario Planning (1): Identification of possible issues in the future</b>	4F-423
	<b>Scenario Planning (2): Clustering of the issues, selection of important issues</b>	

### July 31, Tuesday @The University of Tokyo

Time	Exercise	Room
8:50~9:00	Administration	4F-423
9:00~15:00	<b>Scenario Planning (3): Discussion on Basic Structure of Future Scenario</b>	4F-423
	<b>Scenario Planning (4): Planning Detail Scenarios</b>	
	<b>Scenario Planning (5): Implementation</b>	

Time	Lectures	Room
15:00~17:00	<b>Safety Standards and Post-Fukushima Activities of IAEA</b>	<b>Mr Caruso</b> (International Atomic Energy Agency) 4F-423

### August 1, Wednesday @ The University of Tokyo

Time		Room
8:50~9:00	Administration	4F-423
9:00~10:30	Presentation of Group Project	4F-423
10:30~12:00	Presentation of Group Project (15 min × 5 groups)	4F-423
12:00~13:30	LUNCH	
13:30~15:30	Examination	4F-423
15:30~16:00	BREAK	
16:00~17:00	Explanation of the Examination	4F-423
17:30~19:30	FAREWELL RECEPTION at abreuvoir (Hosted by Japan Atomic Industrial Forum & JAIF International Cooperation Center)	

### August 2, Thursday @ The University of Tokyo

Time		
9:20~9:30	Administration	4F-423
9:30~11:30	Closing Ceremony	4F-423
	- Speech from IAEA	
	- Speech from Japan	