



October 20, 2020

# PROPOSAL of TV LECTURE PROGRAM

in FY 2020

by Japanese University Network for Global  
Nuclear Human Resource Development (JUNET-GNHRD)



**The Japanese University Network for Global Nuclear Human Resource Development (JUNET-GNHRD) will propose to deliver following four lectures in FY2020 through telecommunication network (Zoom & YouTube) for the further development of expertise in the nuclear field. Please join the lectures.**

JUNET-GNHRD was established in December 2010 under a cooperation of 18 universities for efficient and effective sharing of their educational resources and capabilities with close collaboration of the industry and relevant governmental agencies. The current member universities of the JUNET-GNHRD are Hokkaido University, Hachinohe Institute of Technology, Ibaraki University, Nagaoka University of Technology, Tokai University, Waseda University, University of Yamanashi, Kanazawa University, University of Fukui, Nagoya University, Kyoto University, Osaka University, Kindai University, Okayama University, Osaka Sangyo University, Kyushu University, Tokyo City University and Tokyo Institute of Technology.

## Application Form:

Please fill up the following application form to attend the TV lecture and submit it to Tokyo Tech .

**(Deadline : November 6, 2020 for Lecture 1)**

Based on your information, required Zoom address, pass word etc. will be sent to you.

[https://docs.google.com/forms/d/1pjiS1hnuNgXahHGIBtjMol-RGU\\_PDyBfGu1MZFcF10/edit?usp=sharing](https://docs.google.com/forms/d/1pjiS1hnuNgXahHGIBtjMol-RGU_PDyBfGu1MZFcF10/edit?usp=sharing)

## LECTURE 1

*Title:* **Radioactive waste management**

*Date:* **November 10, 2020**

*Lecturer:* **Prof. Takehiko Tsukahara (Tokyo Institute of Technology)**

## LECTURE 2

*Title:* **Fundamentals of radiation effects on human body**

*Date:* **December 8, 2020**

*Lecturer:* **Prof. Yoshihisa Matsumoto (Tokyo Institute of Technology)**



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### LECTURE 3

*Title:* **Plant dynamics and control**

*Date:* **January 19, 2021**

*Lecturer:* **Prof. W.F.G. van Rooijen (University of Fukui)**

### LECTURE 4

*Title:* **Fundamentals of nuclear fuel cycle**

*Date:* **February 2, 2021**

*Lecturer:* **Prof. Kazuya Idemitsu (Kyushu University)**

### | Time schedule for each country |

	Thailand Time	Malaysian Time	Japan Time
<b>Opening Remarks :</b>	<b>9:00 - 9:05</b>	<b>10:00 -10:05</b>	<b>11:00 - 11:05</b>
<b>Lecture :</b>	<b>9:05 - 10:30</b>	<b>10:05 - 11:30</b>	<b>11:05 - 12:30</b>
<b>Q&amp;A Session* :</b>	<b>10:30 - 11:00</b>	<b>11:30 - 12:00</b>	<b>12:30 - 13:00</b>

\*Question will be asked by chat in Zoom or e-mail, answer will be orally responded in the session.



**Contact:**

2-12-1-N1-15, Ookayama, Meguro-ku, Tokyo 152-8550, Japan

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Website: [http://www.lane.iir.titech.ac.jp/d-atom/English/event\\_eng.html](http://www.lane.iir.titech.ac.jp/d-atom/English/event_eng.html)



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## | Curriculum Vitae of Lectures |

### **Prof. Takehiko TSUKAHARA**

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Associate Professor, Tokyo Institute of Technology  
Laboratory for Advanced Nuclear Energy, Tokyo institute of technology  
+81-3-5734-3067  
E-mail: ptsuka@lane.iir.titech.ac.jp

Takehiko Tsukahara was born in Hiroshima, Japan, in 1975. He received his Ph.D. degree from Tokyo Institute of Technology in 2003. From 2003 to 2005 he worked as a postdoctoral fellow at Department of Chemistry, the University of Tokyo, and then from 2005 to 2008 he was an Assistant Professor at the University of Tokyo. He is now Associate Professor at Research Laboratory for Nuclear Reactors, Tokyo Institute of Technology. His research focuses on separation/analysis related with nuclear fuel cycle and radioactive waste management using functional polymer, photonic crystal, micro/nanofluidics, and green solvents.

### **Prof. Yoshihisa MATSUMOTO**

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Associate Professor, Tokyo Institute of Technology  
Research Laboratory for Nuclear Reactors  
2-12-1-N1-30 Ookayama, Meguro-ku, Tokyo, 152-8550, JAPAN  
+81-3-5734-3703  
yoshim@nr.titech.ac.jp

He was graduated from University of Tokyo, Department of Biochemistry and Biophysics in 1993 and received Ph.D. degree in 1998. Meanwhile, he was a predoctoral fellow supported by Japan Society for the Promotion of Sciences.

He was an assistant professor at University of Tokyo, Graduate School of Medicine, Department of Radiation Oncology and Department of Radiation Research from 1998 to 2006. He has been in the current position from December 2006.

He is pursuing the mechanisms of the recognition and repair of DNA double-strand breaks using molecular biological approaches.

He received Young Scientist Award from Japan Radiation Research Society in 2005, Tokyo Tech Award for Challenging Research in 2007, Young Investigator Award in the Strategic Promotion Program for Basic Nuclear Research in 2011 and Award of Japanese Group of Radiation Biology in Japanese Society for Therapeutic Radiology and Oncology in 2014.



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## **Prof. Dr. W.F.G. van ROOIJEN**

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Associate Professor, University of Fukui  
The Research Institute of Nuclear Engineering

Willem van Rooijen holds an M.Sc. degree in Applied Physics of Delft University of Technology (The Netherlands), an post-graduate degree in Japanese Business, Language and Culture of Leiden University (The Netherlands), and a Ph.D. in nuclear reactor physics from Delft University of Technology. He has worked as an assistant professor at GeorgiaTech in the USA and at JAEA as a special researcher. He is currently Associate Professor at the University of Fukui in Japan. His specialism is nuclear reactor physics, numerical simulation, fuel cycle analysis, and reactor design & analysis.

## **Prof. Kazuya IDEMITSU**

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Professor, Kyushu university  
Graduate school of engineering,  
Department of Applied Quantum Physics and Nuclear Engineering  
Motooka 744, Fukuoka 819-0395, Japan  
+81-92-802-3492  
idemitsu@nucl.kyushu-u.ac.jp

He was graduated from Kyushu university, Department of Applied Nuclear Engineering in 1980 and received Master degree of Applied Nuclear Engineering in 1982. After then, he worked for Power Reactors and Nuclear Fuel Development Corporation (Now JAEA) from 1982 to 1989 concerning reprocessing of spent fast reactor fuel and radioactive waste management. He backed to Kyushu university in 1989 as a research associate and received Ph.D. degree in 1994. He has been in the current position from April 2002. His current research fields are Radioactive waste management and Nuclear fuel including minor actinides related nuclear fuel cycle.



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## QUESTIONNAIRE for TV LECTURES BY JUNET-GNHRD

Please fill up the following questionnaire. The address of online version is as follows;  
<https://forms.gle/tSzPLIGJZPCtpgw68>

Name: \_\_\_\_\_

University: \_\_\_\_\_

Faculty, School: \_\_\_\_\_

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

**Please check appropriate box on level, usefulness, interest and expectation.**

Level	Usefulness	Interest	Expect more lectures
<input type="checkbox"/> Too advanced	<input type="checkbox"/> Much useful	<input type="checkbox"/> Much interesting	<input type="checkbox"/> Strongly expect
<input type="checkbox"/> Advanced	<input type="checkbox"/> Fairly useful	<input type="checkbox"/> Fairly interesting	<input type="checkbox"/> A little expect
<input type="checkbox"/> Just right	<input type="checkbox"/> Useful	<input type="checkbox"/> Interesting	<input type="checkbox"/> Different Topics
<input type="checkbox"/> Elementary	<input type="checkbox"/> A little useful	<input type="checkbox"/> A little interesting	(                      )

**Thank you very much for your cooperation!**