



## **MIRAI Sustainability Workshop March 28-29, 2019 at Tokyo Institute of Technology**

### **Theme:** Pathways to Achieving the Sustainable Development Goals (SDGs)

The aim of this workshop is to suggest pathways to achieving the Sustainable Development Goals (SDGs). In the workshop, researchers will discuss how they can contribute to SDGs through their research and collaborations. Topics will include energy and technology, water resources, etc. which we have discussed so far, and other topics of interest.

We have already discussed a number of collaborative research projects in the previous workshops. Some projects have already started and the others were at the proposal stage. In this workshop, researchers will discuss global and cross-disciplinary research ideas and identify funding opportunities in Japan and Sweden. This workshop will be a milestone for MIRAI SSC activities in the first project term (2017-2019).

### **Sub-topics:**

- 1.) Solutions for energy Issues
- 2.) Solutions for water resources
- 3.) Solutions for other Sustainability related issues

### **Venue:**

Tokyo Institute of Technology, Ookayama Campus,  
Centennial Hall (Museum), 3th floor

<https://www.titech.ac.jp/english/maps/ookayama/ookayama.html>





**Program for Thursday, March 28:**

- 08:45-09:00 Registration (Centennial Hall (Museum), 3th floor)
- 09:00-09:05 Opening
- 09:05-09:10 Welcome to Tokyo Institute of Technology  
- Dr. Tetsuya Mizumoto, Executive Vice President, Tokyo Institute of Technology
- 09:10-09:50 “Planning Towards Sustainable Cities: Challenges of the Japanese Cities”  
- Prof Norihiro Nakai, Dean of School of Environment and Society,  
Tokyo Institute of Technology
- 09:50-10:30 Coffee/tea and group photo
- 10:30-11:05 “Pathways to societal transformations to sustainability: a cross-country comparison”  
- Prof. Björn-Ola Linnér, Linköping University
- 11:05-11:40 “Innovation, Collaboration, and Transformation for Peace and Sustainability”  
- Prof. Yohsuke Yamamoto, Executive and Vice President (Research), Hiroshima University
- 11:45-13:00 Lunch for all
- 13:00-16:30 Parallel group discussions by sub-topic (2 groups)  
15 min presentation by each participating researcher according to the following order

Coffee/tea will be served during the session.

Group 1: Solutions for energy Issues +Solutions for other Sustainability related issues	Group 2: Solutions for water resources
SC and SSC: Prof. Björn-Ola Linnér, Linköping University Prof. Hidetoshi Sekiguchi, Tokyo Tech Prof. Shigenori Fujikawa, Kyushu University Prof. Kazuhiro Ema, Sophia University	SSC: Prof. Toshinori Tsuru, Hiroshima University Prof. Huang Guangwei, Sophia University Prof. Georgia Destouni, Stockholm University
13:00- Dr. Shota Inuzuka, Sophia University 13:15- Ms. Marianne Kropf, Linköping University 13:30- Dr. Ankur Jain, Hiroshima University 13:45- Dr. Wei-Chao Chen, Uppsala University 14:00- Dr. Kei Hasegawa, Tokyo Tech 14:15- Dr. Marina Freitag, Uppsala University	13:00- Prof. Arata Katayama, Nagoya University 13:15- Dr. Thomas Petterson, Chalmers uni 13:30- Dr. Ewa Machotka, Stockholm University Dr. Mikiko Sugiura, Sophia University Dr. Takehiro Watanabe, Sophia Uni 13:45- Dr. Han Xue, Sophia University

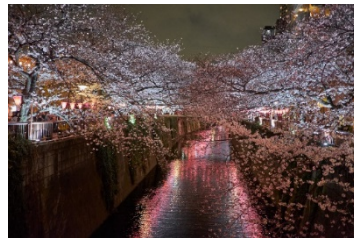
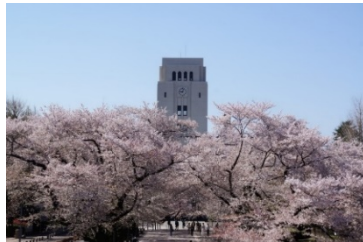


14:30- Mr. Pritam Sadhukhan, Kyushu Uni	14:00- Mr. Minh Duyen Pham, Nagoya Uni
14:45- Dr. Magnus So, Kyushu University	14:15- Dr. Tomonori Kindaichi, Hiroshima Uni
15:00- Prof. Jiayin Yuan, Stockholm University	14:30- Dr. Manabu Fujii, Tokyo Tech
15:15- Dr. Hiroki Nagasawa, Hiroshima Uni	14:45- Dr. Ryota Tsubaki, Nagoya University
15:30- Dr. Roman Selyanchyn, Kyushu Univerisy	15:00- Dr. Jonathan Roques, Uni of Gothenburg
	15:15- Dr. Takeshi Ito, Sophia University
	15:30- Dr. Federico Micolucchi, Lund University
	15:45- Dr. Annika Björn, Linköping University
	16:00- Dr. Ahmed Elreedy, Tokyo Tech
15:45- Discussions Purpose: discuss where research fits in SDGs (mapping)	16:15- Discussions Purpose: discuss where research fits in SDGs (mapping)

16:45-17:30 Laboratory visit (TBD)

17:30-19:00 Reception  
Venue: Centennial Hall (Museum) Tokyo Tech

Optional excursion: Meguro-river Yozakura walking  
<https://www.japanistry.com/event/nakameguro-cherry-blossom-illuminations/>



End of Day 1



### Program for Friday, March 29:

- 09:00-09:15 Opening of Day 2 (Ferrite Conference Room, 3F of Centennial Hall)
- 09:15-10:30 Parallel sessions and discussions by sub-sub-topic  
Purpose: discuss pathways to achieving the SDGs through collaborations
- 10:30-11:00 Coffee/tea break
- 11:00-11:30 Parallel sessions  
Summarize sub-group discussion
- 11:30-12:00 Reporting from parallel sessions
- 12:00-12:15 Wrap up  
- Prof. Hidetoshi Sekiguchi, Vice President, Tokyo Institute of Technology
- 12:15-12:25 Closing remarks by Prof. Georgia Destouni, Stockholm University
- 12:30-13:15 Farewell Lunch
- 13:30-15:30 Move to site visit by charter bus  
(Optional Tour)
- 15:45-17:15 Site visit to Kashiwa-no-ha Smart City, Kashiwa City, Chiba Pref.
- 17:30 Day 2 program ends  
All participants return to Tokyo from the station  
(about 30 minutes to Akihabara by train)

