



Tokyo Tech



Open Innovation Platform
Tokyo Tech

Tokyo Tech SSI International Symposium

Creating next-generation social infrastructure through open innovation

“SSI-Sustainable Social Infrastructure” is a strategic field of Tokyo Tech that aims to build next-generation social infrastructure to support the safety, security, and happiness of each individual for 100-year life. SSI Team Tokyo Tech, led by the School of Environment and Society, is working to solve four global social challenges: building a resilient society, designing voices of the Earth, creating smart cities, and innovation. SSI Team Tokyo Tech aims to create new “knowledge” and make practical contributions to society through collaboration with business, industry and public sector as well as international research partnerships.

This symposium will introduce cutting-edge researches in Tokyo Tech and its overseas partner universities, and discuss challenges and solutions for the creation of social infrastructure with a focus on “people”. We hope that all participants in this symposium will consider and attempt to connect diverse research seeds and businesses, thereby realizing an ecosystem for the creation of next-generation social infrastructure.

Date & Time : March 13(Monday), 2023 15 : 00-19 : 15(Tokyo)

Location : Hybrid - Ookayama Campus Auditorium & Online

Language : Japanese & English(simultaneous translation)

Entry fee : Free

How to join : advance registration required

Tokyo Tech
GLOBAL Webinars

For online participation, please register here.



Click here to join us at the 70th Anniversary Auditorium,
Tokyo Tech Ookayama Campus



Host organization :

School of Environment and Society/Open Innovation Platform, Tokyo Institute of Technology

Contact us : ssi@ori.titech.ac.jp

PROGRAM

Moderator: Mika Goto (Associate Dean, School of Environment and Society)

Session 1 15:00-15:30

- 15:00-15:05 Opening remarks/Osamu Watanabe
(Executive Vice President for Research, Tokyo Tech Director, Open Innovation Platform)
- 15:05-15:10 Greeting /Norihiro Nakai
(Advisor for SSI Research, Tokyo Tech Professor, School of Environment and Society)
- 15:10-15:30 Introduction "Tokyo Tech SSI Vision and Strategy"
/Mitsuyasu Iwanami (Associate Dean, School of Environment and Society)

Session 2 15:30-18:10 Research introduction

1. Building a Resilient Society

- 15:30-15:50 "Toward the prediction of floods and water scarcity in the world"
Shinjiro Kanae (Professor, Department of Civil and Environmental Engineering)
- 15:50-16:10 "Community resilience to climate change"
Research, awareness and practical contributions to society
Mona Gamal Eldin Ibrahim (Professor, Egypt-Japan University of Science and Technology)

2. Designing Voices of the Earth

- 16:10-16:30 "Energy Transformation and Energy Divergence"
Junichiro Otomo (Professor, Department of Transdisciplinary Science and Engineering)
- 16:30-16:50 "Overview of the Research at Ecole des Ponts Paris Tech on Energy Transition
and Sustainable Development"
Jérôme Lesueur (Professor, Dean of Research, Ecole des Ponts Paris Tech)

3. Creating Smart Cities

- 16:50-17:10 "Measurement, Modeling, and Simulation of Human Behavior toward Smart Cities"
Toshihiro Osaragi (Professor, Department of Architecture and Building Engineering)
- 17:10-17:30 "Smart City Activities at NECTEC: From Lab Prototypes to Nation-Wide Platforms"
Panita Pongpaibool (Deputy Executive Director, The National Electronics
and Computer Technology Center, Thailand)

4. Innovation

- 17:30-17:50 "Computational Social Science and Social Innovation"
Kazutoshi Sasahara (Associate Professor, Department of Innovation Science)
- 17:50-18:10 TBA
Central Saint Martins, University of the Arts London

<Break 18:10-18:25>

Session 3 18:25-19:15

- 18:25-19:00 Panel discussion by young researchers
"The direction Tokyo Tech should take through the promotion of SSI"
Panelists : Kazuya Mitsui/Kazuhide Nakayama/Yuki Taoka (School of Environment and Society)
Moderator: Nobuhiro Chijiwa (Associate Professor, School of Environment and Society)
Commentator : Jun-ichi Takada (Dean, School of Environment and Society)
- 19:00-19:10 "Ecosystem creating project developed by the Open Innovation (OI) Platform"
Yoichi Oshima (Vice President for Government and Industry Relations, Tokyo Tech
/General Creative Manager Open Innovation Platform)
- 19:10-19:15 Closing remarks /Kazuya Masu (President, Tokyo Tech)