

# The International Symposium on Sustainability in the Dynamic Earth

## Program

### 10:00-10:20 Welcome address

Hideo OHNO (President, Tohoku University)

#### Guest speech

Higher Education Bureau, Ministry of Education, Culture, Sports, Science and Technology

#### Director speech

Masahiro YAMAGUCHI (Director, Institute for Promoting Graduate Degree Programs, Tohoku University)

### 10:20-10:40 Introduction of WISE program for Sustainability in the Dynamic Earth (SyDE)

Michihiko NAKAMURA (Coordinator, Graduate School of Science, Tohoku University)

### 10:40-11:10 Keynote lecture

#### Building a 21st century social science to take on 21st century problems

David B. GRUSKY (School of Humanities and Sciences / Center on Poverty and Inequality, Stanford University)

### 11:10-11:30 Lecture

#### Natural disaster and rehabilitation from the viewpoint of human and social sciences

Toshiaki KIMURA (Graduate School of Arts and Letters, Tohoku University)

### 11:30-11:50 Lecture

#### A special doctoral course for working at the United Nations and other international organizations in the area of disaster risk reduction - First attempt by a Japanese public university

Yuichi ONO (International Research Institute of Disaster Science, Tohoku University)

### 11:50-12:10 Lecture

#### JICA's assistance on disaster risk reduction

#### ~Contributing to the Sendai Framework~

Kozo NAGAMI (Deputy Director General and Group Director for DRR Group, Global Environment Department, Japan International Cooperation Agency (JICA))

### 12:10-13:30 Break

### 13:30-13:50 Lecture

#### Observation and forecasting

Ryota HINO (Graduate School of Science, Tohoku University)

### 13:50-14:10 Lecture

#### Partnership for building a disaster-resilient society

Masaaki NAGAMURA (Fellow, General Manager, International Initiatives Corporate Planning Department, Tokio Marine & Nichido Fire Insurance Co., Ltd.)

### 14:10-14:30 Lecture

#### Data-driven numerical simulations for improving resilient infrastructure

Kenjiro TERADA (International Research Institute of Disaster Science, Tohoku University)

### 14:30-14:50 Lecture

#### Decommissioning of Fukushima Daiichi Nuclear Power Station: University's Roles and Challenges

Yutaka WATANABE (Center for Fundamental Research on Nuclear Decommissioning / Graduate School of Engineering, Tohoku University)

### 14:50-15:20 Keynote lecture

#### Understanding uncertainty: risk and resilience to disaster in Japan

Peter SAMMONDS (Institute for Risk and Disaster Reduction, University College London)

# TU x SDGs Forum

## Program

**16:00**    **Introduction**

Michihiko NAKAMURA (Coordinator, Graduate School of Science, Tohoku University)

**16:05**    **Keynote Speech**

Mami MIZUTORI (Special Representative of the United Nations Secretary-General for Disaster Risk Reduction)

**16:30**    **Questions from Students**

**16:45**    **Panel Discussion**

**"Role of Science and education in proactively responding to risks, including the COVID-19, climate change, and low-frequent large-scale disasters and expectation from students"**

Moderator: Michihiko Nakamura

Panelists:

- Mami Mizutori, SRSG for DRR
- Jo Scheuer, UNDP Resident Representative in Mali
- Tetsuo Kondo, Director, UNDP Representation Office in Japan
- Kimio Takeya, Former Distinguished Technical Advisor to the President, JICA

**17:45**    **Questions from students**

**17:55**    **Closing**