

# Disasters and Human Survivability:

## Enhancing Resilience to Risks Threatening the Future of Humanity

### 21-22 November 2016, Kyoto, JAPAN

### The main goals of the symposium

The organizer of the symposium GSAIS/ Shishukan aims to provide a fresh look at the global challenges facing humanity in areas such as energy, water, food, population, diseases, etc. This year's international symposium will focus on unexpected extreme disasters and more specifically, on how to enhance our resilience to such disasters. Another goal of the symposium is to develop a holistic approach that integrates various research fields by considering the past, present and future dimensions. The symposium will bring together scholars from natural and social sciences, as well as humanities. The idea behind this is that we need to go beyond the "silo-based" approach, where handling disasters is something left to experts with specialized knowledge.

Participation is free of charge but advance registration is required

#### Registration is open at:

<http://www.gsais.kyoto-u.ac.jp/symposium2016/reg/>

Registration can be done either in English or in Japanese

**Language:** English (no translation will be provided)

**Capacity:** 200 (each day)

**Venue:** Shirankaikan Inamori Hall, Kyoto University, Japan

<http://www.shirankai.or.jp/e/facilities/access/>

For any questions and further information, please send an e-mail to [shisyukan-sympo-invitees-2016@mail2.adm.kyoto-u.ac.jp](mailto:shisyukan-sympo-invitees-2016@mail2.adm.kyoto-u.ac.jp)

## PROGRAM 2016

Day 1: Monday, 21 November 2016 ▶▶▶	
13:30 – 14:00	Registration
14:00 – 15:30	Opening speeches and keynote lecture Moderator: Prof. Eriko Ishida Kawai, GSAIS, Kyoto University
	14:00 – Opening speeches by Prof. Masao Kitano, Executive Vice-President for Education, Information Infrastructure, and Evaluation, Kyoto University, and by Prof. Shuichi Kawai, Dean of GSAIS, Kyoto University
	14:15 – <b>Keynote lecture</b> "A Classification of Risks Threatening the Future of Humanity" Dr. Shahar Avin and Julius Weitzdoerfer, University of Cambridge, UK
15:00 – Discussion	
15:30 – 16:00	Break
16:00 – 16:15	Presentation by Prof. Yosuke Yamashiki about the main idea of the symposium and some concepts that will be discussed
16:15 – 18:00	1. FUTURE session "What lies ahead? The risks of extreme disasters (high-impact, low-probability events) in the future" Moderator: Prof. Yosuke Yamashiki, GSAIS, Kyoto University
	16:15 – Introduction by Prof. Yosuke Yamashiki, GSAIS, Kyoto University
	16:20 – <b>Presentation</b> "Extreme Space Weather as an Emerging Risk" Prof. Hiroaki Isobe, GSAIS, Kyoto University
	16:45 – <b>Presentation</b> "The 2011 Tohoku Earthquake and Tsunami: an Unexpected Disaster" Prof. James Mori, Disaster Prevention Research Institute (DPRI), Kyoto University
17:10 – Discussion	
▶▶▶ Day 2: Tuesday, 22 November 2016	
09:00 – 09:30	Registration
09:30 – 09:40	Summary of Day 1 and preview of Day 2 by Prof. Dimitar Ilnazov, GSAIS, Kyoto University, Head of the Organizing Committee
09:40 – 10:15	Introduction to the student poster session
	09:40 – General introduction by Prof. Marc-Henri Deroche, GSAIS, Kyoto University 09:50 – Student presentations
10:15 – 12:00	2. PAST session "What can we learn from the history of extreme disasters?" Moderator: Prof. Takura Izumi, GSAIS, Kyoto University
	10:15 – Introduction by Prof. Takura Izumi, GSAIS, Kyoto University
	10:20 – <b>Presentation</b> Prof. Satoshi Koyama, Graduate School of Letters, Kyoto University
	10:45 – <b>Presentation</b> "Lessons from the Global Outbreaks of Infectious Diseases in the Past" Prof. Masao Mitsuyama, GSAIS, Kyoto University
11:10 – Discussion	
12:00 – 13:15	Break
13:15 – 15:00	3. PRESENT session "How to enhance resilience to extreme disasters from the perspective of economics and management" Moderator: Prof. Takashi Kanamura, GSAIS, Kyoto University
	13:15 – Introduction by Prof. Takashi Kanamura, GSAIS, Kyoto University
	13:20 – <b>Presentation</b> "The timing of investments for adaptation to climate impacted hazards" Prof. Stefan Trueck, Centre for Financial Risk, Macquarie University, Australia
	13:45 – <b>Presentation</b> "When should a CAT Index Futures be Created? Limits of Insurance Risk Securitization due to Basis Risk and Adverse Selection" Prof. Kazuhiko Ohashi, Graduate School of International Corporate Strategy (ICS), Hitotsubashi University
14:10 – Discussion	
15:00 – 16:00	Break and student poster session
16:00 – 17:30	Panel discussion Moderator: Prof. Yosuke Yamashiki, GSAIS, Kyoto University Panelists: Dr. Shahar Avin, Julius Weitzdoerfer and the speakers of sessions 1, 2 and 3
17:30 – 17:40	<b>Closing remarks</b> Prof. Shuichi Kawai, Dean of GSAIS, Kyoto University
18:00 – 20:00	Reception

To download the program, the poster and the flyer of the symposium, please visit <http://www.gsais.kyoto-u.ac.jp/symposium2016/>

More info >> <http://www.gsais.kyoto-u.ac.jp/> (in Japanese) or <http://www.gsais.kyoto-u.ac.jp/en-top/> (in English)