



■ **Symposium: Innovations in DRR**

15:50-17:50, Saturday, March 14, 2015

Tokyo Electron Hall Miyagi, Room 601

Venue D in http://www.bosai-sendai.jp/public_map.html

Directions: 5 min. walk from Sendai Subway Kotodai Station.

Co-organized by

Japan Cabinet Office (Bureau of Science, Technology and Innovation), Japan Science and Technology Agency (JST)

Symposium Abstract

The programs for innovations in DRR will be discussed in this symposium. The symposium will focus on the Impulsing Paradigm Change through Disruptive Technologies (ImPACT) Program on “Tough Robotics Challenge” and the Cross-ministerial Strategic Innovation Promotion Program (SIP) on “Enhancement of societal resiliency against natural disasters”.

Program:

15:50-16:00 Kazuo Kyuma, Executive member, Council for Science, Technology and Innovation,
Japan Cabinet Office

Opening speech (outline of SIP and ImPACT (tentative))

16:00-16:20 Sudhir Jain, Indian, director, Indian Institute of Technology(Gandhinagar), India

Keynote speech: Disaster Mitigation in Developing Countries

16:20-16:30 Satoshi Tadokoro, Program Manager of ImPACT

Impact R&D program(tentative)

16:30-16:40 Masayoshi Nakashima, Program Director of SIP

SIP: Enhancement of Societal Resiliency Against Natural Disasters

16:40-17:45 Panel discussion

(Panelist)

Sudhir Jain, director of IIT Gandhinagar, India

Satoshi Tadokoro, PM of ImPACT, Japan

Masayoshi Nakashima, PD of SIP (facilitator)

Shin Aoi, National research Institute for Earth Science and Disaster Prevention, Japan

Nobuhiro Takahashi, National Institute of Information and Communications Technology,
Japan

Hiroshi Kumagai, National Institute of Information and Communications Technology, Japan

17:45-17:50 Yuko Harayama, Executive member, Council for Science, Technology and
Innovation, Japan Cabinet Office

Related Session Organized by Prof. Satoshi Tadokoro, Tohoku University

■Session 1: Current State, Gap and Action Plans for the Future

13:30-15:30, Saturday, March 14, 2015

Tokyo Electron Hall Miyagi, Room 601

Venue D in http://www.bosai-sendai.jp/public_map.html

Directions: 5 min. walk from Sendai Subway Kotodai Station.

Session Abstract:

This symposium introduces the current state of disaster robots and the gap to their social implementation by the world top-runners, and discusses the action plans to be taken for the future disaster mitigation.

Program:

13:30-13:50 Hajime Asama, University of Tokyo, Japan

Japan's disaster robotics (tentative)

13:50-14:20 Robin Murphy, Texas A&M University, USA

Current state and achievement of disaster robotics (tentative)

14:20-14:40 Gerald Steinbauer, Technical University of Graz, Austria

Research and application of disaster robotics in EU (tentative)

14:40-15:00 Geert De Cubber, Royal Military Academy, Belgium

Integrating robots in disaster management

15:00-15:20 Raj Madhavan, University of Maryland, USA

Activities of IEEE Special Interest Group of Humanitarian Technology (tentative)

15:20-15:30 Satoshi Tadokoro, IEEE Robotics and Automation Society President-Elect

For the Future Use of Robotics

15:30-15:50 break