

## ICSS2009 Plenary Session

### Panel discussion 1: *Sustainability Science for Industry*

**Date:** February 6, 2009, 15:00-16:00

**Venue:** Main Hall, Sanjo Conference Hall, the University of Tokyo

#### **Outline:**

Sustainability Science investigates the relationships among natural, social, and human systems in order to formulate ways to tackle international problems such as global warming mitigation, conservation of biological diversity, poverty alleviation, and resolving water resources conflicts. Sustainability Science is a trans-disciplinary science providing directions to accomplish global and regional sustainability.

Industrial activities bring progress to the society by providing various goods and services; however, they can simultaneously cause environmental pollution at the regional and global scale if appropriate precaution is not taken. Sustainable industrial activities could be a key player to balance equilibrium among the natural, social, and human systems.

This panel aims to discuss how the industry and the academia can collaborate in order to create a sustainable society. Especially, the panel seeks to identify the respective roles of industry and academia, and the effective methods of partnership. Additionally, the role of ICSS for the development of international partnership between industry and academia will be discussed.

#### **Moderator:**

Keisuke Hanaki

Professor, Department of Urban Engineering, and IR3S, The University of Tokyo, Japan

#### **Panelists:**

Fabio Orecchini

Professor, Interuniversity Research Centre for Sustainable Development (CIRPS),  
Sapienza University of Rome, Italy

Greg Morrison

Interim Director, Food and Water Flagship Program, Water Environment Transport,  
Chalmers University of Technology, Sweden

Katsumi Yoshida

Senior Assistant to General Manager, Planning and Administration Section  
R&D division, Showa Shell Sekiyu K.K., Japan

Masayuki Sasanouchi

Senior General Manager / Project General Manager, Environmental Affairs Dept.,  
CSR & Environmental Affairs Div.  
Project General Manager, Tokyo Engineering Div., Toyota Motor Corporation, Japan

Yasunori Abe

Vice President, Environmental Affairs, Japan Airlines, Japan

## ICSS2009 Plenary Session

### Panel discussion 2: *Network of Networks for Sustainability Science*

**Date:** February 6, 2009, 16:00-17:00

**Venue:** Main Hall, Sanjo Conference Hall, the University of Tokyo

#### **Outline:**

The "Sapporo Sustainability Declaration," which was adopted at G8 University Summit held in Sapporo from June 29 to July 1, 2008, stated a necessity of developing Network of Networks (NNs) in academic area in order to tackle complicated problems such as climate change. ICSS aim to organize such NNs for Sustainability Science. ICSS2009 was proposed by Hiroshi Komiyama, president of the University of Tokyo as well as executive director of IR3S, who chaired the G8 University Summit. In order to initiate ICSS, IR3S requested existing institutional networks as well as individual universities and research institutions to organize ICSS2009 to discuss the methodology of the development of NNs for Sustainability Science. This panel aims to identify roles of existing networks to develop a higher level of network in Sustainability Science.

#### **Moderator:**

Akimasa Sumi

Professor, IR3S, the University of Tokyo, Japan

#### **Panelists:**

Chongrak Polprasert

Professor, Asian Institute of Technology, Thailand

James L. Buizer

Science Policy Advisor to the President & Director for Strategic Institutional Advancement,  
Office of the President, Arizona State University, USA

Jean-Louis Armand

Counselor for Science and Technology, French Embassy in Japan

Kazuhiko Takeuchi

Deputy Executive Director of the Integrated Research System for Sustainability Science (IR3S)  
Professor Graduate School of Agricultural and Life Sciences, the University of Tokyo, Japan

Nancy Dickson

Senior Researcher, Sustainability Science Program, Center for International Development,  
Kennedy School of Government, Harvard University, USA

Peter J. Edwards

Professor, Institute of Integrative Biology, Swiss Federal Institute of Technology, Switzerland

Vincenzo Naso

Director, Interuniversity Research Centre for Sustainable Development (CIRPS),  
Professor of Sapienza, University of Rome, Italy