

**WG7:Cross sectional issue****[Dec.18] 9:30-15:50**

Chair:KOTANI Motoko, Executive member of the Council for Science, Technology and Innovation (CSTI)/Professor and Principal Investigator, Graduate School of Science, Tohoku University

Sub-chair: KOBAYASHI Tadashi, Professor, Center for the Study of Co\*Design, Osaka University

**9:30-12:00 Theme 1: Ethical, Legal and Social Issues (ELSI)**

9:30-9:35 Introduction of the WG7 members and sharing discussion points	KOBAYASHI Tadashi, Osaka University
9:35-9:55 Presentation/Emerging technologies and ELSI	KOBAYASHI Shinichi, Director and Specially Appointed Professor, Research Institute for Higher Education, Hiroshima University
9:55-10:15 Presentation/From ELSI to RRI: Concept Evolution in EU Research and Innovation Policy	FUJIGAKI Yuko, Professor, Graduate School of Arts and Science, The University of Tokyo
10:15-10:35 Presentation/Emerging technologies and the policy vacuum:ELSI and the role of regulatory science	KISHIMOTO Atsuo, Professor, Osaka University Institute for Databiity Science
10:35-10:45 Break	
10:45-11:05 Presentation/ELSI in University and Research Institution projects:A Case Study of Molecular Robotics	KONAGAYA Akihiko, Professor, Tokyo Institute of Technology
11:05-11:25 Presentation/ELSI in University and Research Institution projects:A Case Study of of bioscience	SHIRAI Tetsuya, Sub-Leader, Research Administration, Kyoto University
11:25-11:50 Discussion (*Moderator)	*KOBAYASHI Tadashi, Osaka University
	KAMISATO Tatsuhiro, College of Liberal Arts and Sciences, Chiba University
	KOBAYASHI Shinichi, Hiroshima University
	FUJIGAKI Yuko, The University of Tokyo
	KISHIMOTO Astuo, Osaka University Institute for Datability Science
	KONAGAYA Akihiko, Tokyo Institute of Technology
	SHIRAI Tetsuya, Kyoto University
11:50-12:00 Summary of the session	KOBAYASHI Tadashi, Osaka University

Break : 12:00-13:00

**13:00-15:50 Theme 2: Mathematical Science as cross-sectional for MS goals**

13:00-13:30 Presentation (Video link)	Emmanuel Candès,The Barnum-Simons Chair in Mathematics and Statistics, the co-director of the Data Science Institute, Stanford University
13:30-14:00 Presentation	NISHIURA Yasumasa, Emeritus Professor, Hokkaido University
14:00-14:30 Presentation	Christian Ratsch, Deputy Director, Institute for Pure and Applied Mathematics(IPAM), University of California, Los Angeles (UCLA)

<p>14:30-15:00 Presentation (Video link)</p>	<p>Wim van Saarloos, President of the Royal Netherlands Academy of Arts and Sciences</p>
<p>15:00-15:50 Panel Discussion (*Moderator)</p>	<p>*KOTANI Motoko, CSTI/Tohoku University</p>
	<p>Christian Ratsch, UCLA</p>
	<p>WAKAYAMA Masato, Executive Vice President, Kyushu University</p>
	<p>NISHIURA Yasumasa, Emeritus Professor, Hokkaido University</p>
	<p>SUITO Hiroshi, Deputy Director, Advanced Institute for Materials Research (AIMR), Tohoku University</p>