

**The 2nd International Symposium on Sentinel Earth**  
**- Advanced Utilization Studies of Satellite Data and Imagery Data**  
 November 4-5, 2009 at Hokkaido University Conference Hall

<b>Program</b>		<b>Final version</b>	
Nov. 4	WED	<b>10:00-11:00</b>	<b>1. Overall session</b> <span style="float: right;">[Chair: Honma (Hokkaido Univ.) ]</span>
		10:00-10:30 (30)	1-1 Takashi Moriyama (JAXA/Hokkaido Univ.): Introduction of "Informatics for System Sensing (Hokudai/JAXA Cooperative Chair)" and the GOSAT & F/O mission
		10:30-11:00 (30)	1-2 Kristina B. Katsaros (Univ. of Miami): Insights and Discoveries about Tropical Cyclones provided by Remote Sensing leading to Applications
		<b>11:00-15:00</b>	<b>2. ALOS and its related application</b> -Disaster, Mapping & Agriculture- <span style="float: right;">[Chair: Tadono (JAXA/Hokkaido Univ.) ]</span>
		11:00-11:30 (30)	2-1 Takeo Tadono (JAXA/Hokkaido Univ.): Introduction of the "Daichi" (ALOS) & F/O mission
		11:30-12:00 (30)	2-2 Lal Samarakoon (Asian Institute of Technology): Utilization of ALOS Satellite Data for Technology Transfer in Asia - Summary of 2007-2008 Mini-Projects
		12:00-13:30 (90)	(Lunch)
		13:30-13:55 (25)	2-3 Ken Tsutsui (NTT data): Geographical Applications of Remote Sensing - ALOS Geometric Performance, Base Mapping and 3-D Analysis
		13:55-14:20 (25)	2-4 Chinatsu Yonezawa (Tohoku Univ.): Agricultural Observation and Disaster Monitoring Using Remote Sensing Data
		14:20-14:45 (25)	2-5 Masami Kaneko (Rakuno Gakuen Univ.): The Sharing and Disclosure of Agricultural and Environmental Information Using GIS in Hokkaido
		14:45-15:00 (15)	Discussion
		15:00-15:20 (20)	(Break)
		<b>15:20-17:20</b>	<b>3. GCOM and its related application</b> -Ocean and Atmosphere- <span style="float: right;">[Chair: Moriyama (JAXA/Hokkaido Univ.) ]</span>
		15:20-15:50 (30)	3-1 Masahiro Hori (JAXA/Hokkaido Univ.): Overview of JAXA's Global Change Observation Mission (GCOM)
		15:50-16:15 (25)	3-2 Sei-Ichi Saitoh (Hokkaido Univ.): Societal Applications in Fisheries & Aquaculture Using Satellite Remote Sensing and Marine-GIS
		16:15-16:40 (25)	3-3 Naoto Ebuchi (Hokkaido Univ.): Global Observation of Marine Surface Vector Winds by Microwave Scatterometer
		16:40-17:05 (25)	3-4 Hajime Akimoto (Japan Environmental Sanitation Center): Asian Regional Air Pollution and Global Change
		17:05-17:20 (15)	Discussion
		18:00-20:00	<b>Reception (Restrant "Kya-ra Tei")</b>
Nov. 5	THU	<b>10:00-12:00</b>	<b>3. GCOM and its related application</b> -Land and Cryosphere- <span style="float: right;">[Chair: Hori (JAXA/Hokkaido Univ.) ]</span>
		10:00-10:30 (30)	3-5 Reginald R. Muskett (GI/UAF): Gravity Recovery and Climate Experiment (GRACE) Derived Water Storage Changes of the Arctic Watersheds
		10:30-10:55 (25)	3-6 Hideyuki Fujii (JAXA): Global Soil Moisture Monitoring Using a Passive Microwave Radiometer
		10:55-11:20 (25)	3-7 Rikie Suzuki (JAMSTEC): Possible Contribution of Satellite Remote Sensing for Terrestrial Vegetation Change
		11:20-11:45 (25)	3-8 Hiroyuki Enomoto (Kitami Institute of Technology): Early Detection of Sea Ice Change by Satellite Data
		11:45-12:00 (15)	Discussion
		12:00-13:30 (90)	(Lunch)

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Nov. 5	THU	13:30-17:15	4. Sentinel Asia	[Chair: Fukuda (IARC/UAF) ]
		13:30-14:00 (30)	4-1	Masami Fukuda (IARC/UAF): Overview of Sentinel Asia Wildfire Control Initiative
		14:00-14:30 (30)	4-2	Frank V. Cole (State of Alaska): Application of the Canadian System of Forest Fire Danger Rating to Alaska
		14:30-15:00 (30)	4-3	Koji Nakau (JAXA): An Improved Wild Fire Detection Algorithm
		15:00-15:30 (30)		(Break)
		15:30-16:00 (30)	4-4	Keiji Kimura (Hokkaido Univ.): Simulation for the Expansion of the Wildfire with Numerical Weather Simulation MM5
		16:00-16:30 (30)	4-5	Aswin Usup (Palangka Raya Univ.): Hotspot Typology of Peatland Fires in Central Kalimantan
		16:30-17:00 (30)	4-6	Tom Kurth (State of Alaska): Management, Policy, and Fire Suppression Options and Techniques by the State of Alaska, Division of Forestry in the North American Boreal Forest
		17:00-17:15 (15)		Discussion