



February 3, 2010

Japan Agency for Marine-Earth Science and Technology

FY'09 Lecture Meeting "JAMSTEC 2010" - JAMSTEC's Mission in Earth System Science and Technology -

The Japan Agency for Marine -Earth Science and Technology will be holding its annual lecture meeting "JAMSTEC2010," as described below.

The meeting is annually held to introduce JAMSTEC's research activities and achievements to a public audience.

JAMSTEC2010, titled "JAMSTEC's Mission in Earth System Science and Technology," will offer presentations in two sessions; the first session will feature young JASMTEC scientists presenting their latest advancements and research findings on global environmental change.

The second session will cover the leading-edge research into subduction-zone earthquakes and their mitigation. The topics include the establishment of the Dense Ocean-floor Network System for Earthquakes and Tsunamis, and the progress in the Nankai Trough Seismonogenic Zone Experiment (NanTroSEIZE), part of the international Integrated Ocean Drilling Program (IODP) aboard the JAMSTEC's Deep Sea Drilling Vessel "CHIKYU." Following the lectures, a panel of experts will discuss the research frontier of subduction zone earthquakes and disaster mitigation.

Details

- Date and time:** Wednesday, February 24, 2010;
13:00-17:30
(Admission starts at 12:30)
- Venue:** Tokyo International Forum
Hall B5 (Seating capacity:400)
3-5-1, Marunouchi, Chiyoda-ku,
Tokyo
- Admission:** Free(Pre-registration is not
required)
- Program and Lecturers:** Please refer to [Appendix](#)
Posters on JAMSTEC's major
achievements will be on display in

the lobby. Presentations by scientists will be offered before the presentations and during the refreshment break.

Host: JAMSTEC

Appendix

JAMSTEC2010 - JAMSTEC's Mission in Earth System Science and Technology -

Date and time: Wednesday, February 24, 2010; 13:00-17:30 (Admission starts at 12:30)

Venue: Tokyo International Forum Hall B5
One-minute walk from JR Yurakucho Station

Program:

13:00-13:05	Welcome Yasuhiro Kato, President, JAMSTEC
13:05-13:10	Opening remarks Distinguished guest from the Ministry of Education, Culture, Sports, Science and Technology
13:10-13:40	"What JAMSTEC aims" Shiro Imawaki, Executive Director, JAMSTEC
Presentations: First Session -Clarifying the global environmental changes-	
13:40-14:10	"Arctic research for Japan by R/V Mirai" Jun Inoue (Senior Scientist, Research Institute for Global Change, JAMSTEC)
14:10-14:40	"The impact of ocean acidification on marine life" Takashi Toyofuku (Team Leader, Institute of Biogeosciences, JAMSTEC)
14:40-15:10	Refreshment break & Poster session
Presentations: Second session -Research Frontier on Subduction Zone Earthquake and its Mitigation-	
15:10-15:30	"Toward disaster mitigations of the Tokai, Tonankai and Nankai Earthquakes" - Development of Dense Oceanfloor Network System for Megathrus Earthquake and Tsunamis - Yoshiyuki Kaneda (Project Leader, Earthquake and Tsunami Research Project For Disaster Prevention, JAMSTEC)

15:30-15:50	<p>“The Nankai Trough Seismogenic Zone Experiment: Accomplishments and Future Plans” Saneatsu Saito (Team Leader, Institute for Research on Earth Revolution, JAMSTEC)</p>
<p>Panel discussion (Chair: Asahiko Taira, Executive Director, JAMSTEC)</p>	
15:50-17:25	<p>“How do we protect ourselves from earthquake disasters?” Panelists: Shigeo Ochi (Director for Earthquake, Volcanic and Large - scale Flood Disaster Management, Disaster Management Bureau, Cabinet Office) Kazuo Tsuda (Director of the Crisis Control Bureau, Wakayama Prefecture) Kazuko Tamura (Science Journalist) Yoshiyuki Kaneda (JAMSTEC) Saneatsu Saito (JAMSTEC)</p>
17:25-17:30	<p>Closing remarks Tsutomu Imamura, Executive Director, JAMSTEC</p>

Profiles of lecturers

Shiro Imawaki (Executive Director, JAMSTEC)

Dr. Shiro Imawaki is Executive Director of Research of JAMSTEC, appointed in 2009. He received his Master of Science (in physical oceanography) in 1970 from Graduate School of Science, Kyoto University. He was Research Associate of Kyoto University, Associate Professor of Kagoshima University and Professor of Kyushu University. He also assumed prominent positions such as President of the Oceanographic Society of Japan, and President of International Association for the Physical Sciences of the Oceans. He studied oceanic flow field variability; including mesoscale eddies at surface and abyssal layers, and variability of transport and flow axis of the Kuroshio Current, south of Japan, on the basis of field observation data and satellite altimetry data.

Jun Inoue (Senior Scientist, Northern Hemisphere Cryosphere Program, Research Institute for Global Change, JAMSTEC)

Meteorologist. Research interests: air-ice-sea interaction in polar and sub-polar regions by focusing on sea-ice variability and its impact on atmospheric and oceanic circulations. *R/V Mirai* and ice-drifting buoys are main observing platforms.

Takashi Toyofuku (Team Leader, Institute of Biogeosciences, JAMSTEC)

Geobiologist. The main scope of his study is the calcification mechanism of foraminifera, one of the major carbonate producers in the marine environment, via laboratory culture experiment. He believes it is a keystone

to reveal the interaction and coevolution between marine biology and environments.

Yoshiyuki Kaneda (Project Leader, Earthquake and Tsunami Research Project for Disaster Prevention, JAMSTEC)

Yoshiyuki Kaneda received Ph.D and M.Sc degree in geophysics, major in Physics geophysical, Tokyo University. Dr. Kaneda, who joined JAMSTEC in 1997, is now taking a role as a Project Leader of Japanese government funded leading project, Dense Ocean floor Network for Earthquakes and Tsunamis (DONET). He has directed the development of the real-time ocean floor observation system in the seismogenic zone with mega-thrust earthquakes, and also assumes leadership on the research of seismic linkage around the Nankai Trough. Both projects focus to explore disaster prevention system from earthquakes and tsunamis.

Saneatsu Saito (Team Leader, Institute for Research on Earth Evolution, JAMSTEC)

Marine Geologist. Dr. Saito sailed on drilling vessels seven times since 1993 and he investigated structure and physical property in subduction margins using core samples and downhole measurement data. In 2009 he sailed on *D/V Chikyu* as a co-chief scientist for the IODP Nankai Trough Seismogenic Zone Experiment.

Asahiko Taira (Executive Director, JAMSTEC)

Dr. Taira obtained his Ph.D. from the University of Texas. After his research and teaching career at Kochi Univ. and Univ. of Tokyo, he joined JAMSTEC in 2002 and then became Executive Director in 2006. He was awarded the Japan Academy Prize for his research on the plate subduction zone process. He has been actively engaged with scientific ocean drilling including the promotion of IODP and *Chikyu*.



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