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The National Institute of Polar Research (NIPR), Tokyo and the Institute of Low Temperature Science (ILTS), Hokkaido University, Sapporo will hold the 2nd International Symposium on the Dome Fuji ice core and related topics. The symposium will be held at NIPR, in Tachikawa city, Tokyo, Japan, from 18 to 20 November 2009. This is the 2nd symposium focused on the Dome Fuji ice core and related topics.

Theme

Deep ice cores from Antarctica have provided high-resolution records of climatic and environmental changes during the late Quaternary. The Dome Fuji Program is a major achievement in environmental and glaciological studies, designed and performed by collaborative efforts by the Japanese Society of Snow and Ice, NIPR, ILTS and other individuals from many universities in Japan. The first 2503-m-long Dome Fuji deep ice core was retrieved by the Japanese Antarctic Research Expedition, JARE, during the 1993–1997 inland operations at the summit of east Dronning Maud Land, Antarctica. The first core has provided records of climatic and environmental changes during the past 340 kyr. The second core, which was drilled 44m apart from the first borehole, reached 3035.22m in January 2007. Although the bedrock was not reached, small rock fragments found in the ice from the deepest drill runs suggested that the bedrock was close to the bottom of the borehole. Subsequently to these drilling efforts, extensive core analyses have been conducted with financial supports to NIPR, ILTS and other universities from the Ministry of Education, Culture, Sports, Science and Technology (MEXT). The 1st International Symposium on the Dome Fuji ice core was held in 2001. We hold the 2nd Symposium as an opportunity to present the latest results from the studies of this ice core and related topics, and discuss them together to better understand the various signals measured in ice cores.

Topics

Contributions in the following and related research areas are welcomed.

- Paleoclimatic studies based on Dome Fuji and other ice cores. Investigation of the climatic system and ice core records using numerical models. Time scales include glacial/inter-glacial cycles, millennium scale variability and abrupt changes.
- Physical and chemical properties of ice cores, and processes within firn and above ice sheet surfaces.
- Micro biology in extreme condition within ice sheets.
- Cosmogenic nuclides and other tracers for the past solar and other astronomical events and variations.
- Glacial dynamics studies, including dating of deep ice cores.
- Drilling technology for deep ice cores.

Sessions

Oral presentations will be held on two days. Several invited talks are planned. There will be ample time for poster sessions.

Venue

The 2nd International Symposium on Dome Fuji Ice Core and Related Topics will be held at the National Institute of Polar Research, Tokyo, Japan. Please note that the institute has moved to Tachikawa city, Tokyo in April 2009.


Further Information

(i) Associated meetings

Please be informed that there is another meeting earlier in the same week.

Nov. 17 (Tue) – Morning of Nov. 18 (Wed)

The 32nd NIPR Symposium on Polar Meteorology and Glaciology

 [Link to PMG symposium website](#)

Afternoon of Nov. 18 (Wed) – Nov. 20 (Fri)

The 2nd International Symposium of on the Dome Fuji ice core and related topics (this meeting)

(ii) Symposium Banquet

What's New

11 Sep. 2009 Website open