

研究集会「惑星地形・地層の成因と発達機構に関する研究集会」

日時：2012年7月7日13:25～7月8日13:00

場所：北海道大学低温科学研究所 講堂

Research Meeting

“Formation of landforms and strata on planetary surfaces”

Date: July 7-8, 2012

Venue: Institute of Low Temperature Science, Hokkaido University

【プログラム】 Program

July. 7

13:25-13:30 Opening

13:30-14:00 Miwa YOKOKAWA (Osaka Institute of Technology)

Spiral troughs on Mars' NPLD and analogue experiments

14:00-14:20 Kensuke NAITO (Hokkaido Univ.)

Linear stability analysis and nonlinear permanent solution of ice bedforms I

14:20-14:40 Norihiro IZUMI (Hokkaido Univ.)

Linear stability analysis and nonlinear permanent solution of ice bedforms II

14:40-14:55 Break

14:55-15:15 Tomohito YAMADA (Hokkaido Univ.)

Atmospheric characteristics of Mars in a general circulation model

15:15-15:45 Ralf GREVE (ILTS, Hokkaido Univ.)

Glaciation of Mars from 10 million years ago until 10 million years into the future simulated with the model MAIC-2

15:45-16:00 Break

16:00-16:20 Tomotaka SARUYA (Tokyo Univ.)

Ice segregation in frozen granular materials, implication for excess ground ice on Mars

16:20-16:40 Hajime NARUSE (Kyoto Univ.)

Rheological properties of Martian debris-flows: estimation from geomorphological characteristics

16:40-17:00 Discussion

18:30- Ice Breaker

July. 8

- 9:00-9:30 Norikazu MATSUOKA (Tsukuba Univ.)
Periglacial landforms on Mars and Earth
- 9:30-10:00 Yasutaka IJIMA (Tohoku Univ.)
Numerical modeling for the tsunami propagation and boulder transport on Mars
- 10:00-10:15 Break
- 10:15-10:45 Rina NOGUCHI (Tokyo Univ.)
Unique characteristics of cones in Central Elysium Planitia, Mars
- 10:45-11:15 Keisuke TANIGUCHI (Nagoya Univ.)
Sand dune topographies under bi-directional flow conditions
- 11:15-11:30 Break
- 11:30-12:00 Tetsuji MUTO (Nagasaki Univ.)
Alluvial grade in deltaic settings: experimentation and field application
- 12:00-12:30 Gary PARKER (Univ. Illinois)
Morphodynamic instability of water-ice interface driven by salt exclusion in a brackish lake
- 12:30-13:00 Discussion