



International Southern Ocean Science Workshop

Antarctic hot spots



- Physics and biogeochemistry of highly melting regions -

Date: June 11-12, 2018

Venue: Institute of Low Temperature Science, Hokkaido University
Auditorium (3F)

6/11 (Mon.) 16:00-17:30

Chair: Shigeru Aoki

Dr. Kay I. Ohshima

Opening address

Dr. SangHoon Lee (Keynote Speaker, KOPRI)

“Carbon cycling in the western Antarctic coastal water”

Dr. Jisoo Park (KOPRI)

“Light availability rather than Fe controls phytoplankton bloom in the Amundsen Sea polynyas, Antarctica”

Dr. Sohey Nihashi (National Institute of Technology, Tomakomai College)

“Sea-ice production in Antarctic coastal polynyas estimated using AMSR-E and AMSR2 data”

18:00-20:00 Icebreaker

6/12 (Tue.) 9:30-12:00

Chair: Shigeru Aoki

Dr. Tae Wan Kim (KOPRI)

“Seasonal variation of Circumpolar Deep Water intrusion and its cause in Dotson Ice Shelf”

Dr. Doshik Hahm (Pusan National University)

“The distribution of glacial meltwater in the Amundsen Sea revealed by noble gases”

Dr. Yoshihiro Nakayama (NASA/JPL)

“Modeling Ice shelf-ocean interaction in the Amundsen and Bellingshausen Seas”

Dr. Satoshi Kimura (JAMSTEC)

“Oceanographic Controls on the Variability of Ice - Shelf Basal Melting and Circulation of Glacial Meltwater in the Amundsen Sea Embayment, Antarctica”

Dr. Daisuke Hirano (Hokkaido University)

“Warm water intrusion and melt water export beneath Shirase and Totten Glaciers, East Antarctica”

Lunch Break

6/12 (Tue.) 13:00-17:30

Chair: Jinyoung Jung

Dr. Shigeru Aoki (Hokkaido University)

“Circumpolar glacial meltwater distribution derived from stable oxygen isotope ratio”

Dr. Masato Itoh (Hokkaido University)

“Acoustic signals of underwater frazil ice detected by ADCPs in Cape Darnley polynya”

Ms. Bui Thi Ngoc Oanh (Hokkaido University)

“Dissolved methane distribution in seawater and its controlling factors in the polar regions”

Dr. Ryusuke Makabe (NIPR)

“Marked high abundance of small zooplankton in the Polar Frontal Zone in austral summer”

Dr. Hyoung Sul La (KOPRI)

“Zooplankton acoustics in the Amundsen Sea, Antarctica”

Dr. Jinyoung Jung (KOPRI)

“Characteristics of biogenically-derived aerosols in the Amundsen Sea, Antarctica”

Discussion on field activity

Japanese Field activity: ROBOTICA

Korean field activity: Amundsen Sea Project

19:00- Dinner