



**CONTRIBUTED SESSION:
POLAR OCEAN MARGINS: THEIR PHYSICS,
BIOLOGY, LINKS AND COMPLEXITY**

Co-Chairs: R. Grant Ingram (Canada), and Eddy Carmack (Canada)

TUESDAY, JUNE 7

- 2.00-2.15 **CANADIAN ARCTIC ARCHIPELAGO: THROUGHFLOW,
MODIFICATION AND SUB-BASIN CIRCULATION**
Fiona McLaughlin and Eddy Carmack
- 2.15-2.30 **INTERACTION BETWEEN DEEP BASIN AND WESTSPITSBERGEN
SHELF AND SLOPE**
Waldemar Walczowski, and Slawek Kwasniewski
- 2.30-2.45 **THE EAST-SIBERIAN SEA AS A TRANSITION ZONE BETWEEN
PACIFIC-DERIVED WATERS AND ARCTIC SHELF WATERS: CARBON
AND ENERGY FLUXES.**
Igor Semiletov, O.V. Dudarev, I.I. Pipko, V.A. Luchin, N.I. Savelieva, and T.
Whitledge
- 2.45-3.00 **SATELLITE MONITORING OF ARCTIC SEA ICE: DISTRIBUTION,
SURFACE MELT, AGE STRUCTURE AND THICKNESS.**
G.I. Belchansky, I.N. Eremeev, N.G. Platonov, and D.C. Douglas
- 3.00-3.15 **SEA ICE THICKNESS AND HISTORY NORTH OF ELLESMERE ISLAND,
FROM BUOY ARRAYS AND SEABED CORING**
Peter Wadhams, Martin Doble, and Naja Mikkelsen
- 3.15-3.30 **SHELF-BREAK EXCHANGE ON THE MACKENZIE SHELF**
William Williams, Eddy Carmack, and R. Grant Ingram
- 3.30-3.45 **EVOLUTION OF THE WATER COLUMN PROPERTIES UNDER
LANDFAST ICE IN THE AMUNDSEN GULF, CANADIAN ARCHIPELAGO**
Yves Gratton, Romain Lanos, and Louis Prieur
- 3.45-4.00 **VARIATION IN DEVELOPMENTAL TIMING OF ARCTIC COPEPODS,
CALANUS GLACIALIS AND *C. HYPERBOREUS*, IN RELATION TO THE
LOCAL HYDROGRAPHIC STRUCTURE**
Sanae Chiba and Yuichi Sonoyama
- 4.00-4.15 **WINTERTIME OCCURRENCE OF PICOPHYTOPLANKTON IN THE
SOUTHERN OCEAN**
Daniel F. Doolittle, W. K. W. Li, A. Michelle Wood
- 4.15-4.30 **DISSOLVED METHANE IN THE RUSSIAN ARCTIC SEAS**
Natalia Shakhova, Igor P. Semiletov, and Nina Bel'cheva