

Fifth Workshop on Baltic Sea Ice Climate

31 August - 2 September, 2005

Final Program

Wednesday, 31 August

13:00-14:00: Welcome Coffee, Poster hang up

14:00-14:15: Welcome

Corinna Schrum

14:15-14:30: Historic review on Baltic Sea Ice Workshops

Matti Leppäranta or
Anders Omstedt

14:30-15:00: Invited lecture: Sea ice regime in the Bohai Sea in comparison to the Baltic Sea ice regime

Bing Cheng, Wu Huiding

15:00-15:30: Invited Lecture: Arctic Shelves sea ice regimes

Ingo Harms

15:30-16:00: Coffee

16:00-16:30: On climate variations in the Baltic Sea during the Little Ice Age (1300-1880)

Anders Omstedt, Christin Pettersen

16:30-17:00: Changes of Sea Ice Conditions in Poland and the Baltic Sea from 16 till 18 century

Marzenna Sztobryn
Natalja Schmelzer,
Lars Axell

17:00-17:15: Short poster introductions:

17:15-18:30: Reception

Thursday, September, 1

8:30- 9:00: Morning Coffee

9:00- 9:30: Lake ice spectral and integral optics: Finland and Estonia 2004-2005

Ants Erm, Jari Uusikivi

9:30-10:00: Sea ice remote sensing at high resolution in the Baltic sea - a comparison of optical and microwave sensor data

Matti Leppäranta
Lars Kaleschke

10:00-10:30: Coffee

10:30-11:00: Using AMSR-E 89 GHz Channels for Sea Ice Remote Sensing in Regional Seas

Gunnar Spreen,

11:00-11:30: Sea ice station off Umeå, winter 2005

Matti Leppäranta

11:30-12:00: Ice dynamics in the Bothnian Bay as inferred from ADCP measurements

Christian Nohr,
Göran Björk, Bo G. Gustafsson,
Amund E.B. Lindberg

12:00-14:00 Lunch

14:00-14:30: Land fast sea ice micro-organism succession, a 3-year time series from Santala Bay Hanko, SW coast of Finland

Karrell Kimmo

14:30-15:00: Some ideas on sea ice climate and navigation in the Baltic Sea	Klaus Strübing
15:00-15:30: Poster introductions:	Ove Pärn, Kimmo Karrell, Christian Nohr, Elise Reply, Stefan Kern, Iris Werner

15:30-18:00: Poster session, Coffee

19:30 Conference Dinner

Friday, September, 2

8:30- 9:00: Morning Coffee	
9:00- 9:30: Thermodynamic modelling of snow and land fast ice during spring melt-freezing period in the Baltic Sea	Bin Cheng
9:30-10:00: Brine release processes in melting sea ice. Results from an Arctic fjord, spring 2004	Karolina Widell
10:00-10:30: Predictability of sea ice salinity and microstructure from crystal growth theory	Sönke Maus
10:30-11:00: Coffee	
11:00-11:30: Sensitivity of Arctic Sea Ice in Rossby Centre Numerical Models	Ralf Döscher, Markus Meier, Klaus Wyser
11:30-12:00: Numerical Sensitivity Study of climate relevant processes in the Barents Sea	Ingo Harms, Kerstin Hatten, Corinna Schrum
12:00-12:30: Announcements, Closing	

Poster Program

1. Analysis of the ice model results for the Gulf of Finland. *Ove Pärn, Jari Haapala*
2. Ridged ice (Hailuoto, Gulf of Bothnia) as sympagic organism habitat. *Kimmo Karrell*
3. Spatial and temporal variability of ice growth and melting of waters of the region Oulu-Marjaniemi-Röyttä (Gulf of Bothnia). *Élise Lépy*
4. About polynia extents and sea ice compactness in the Kara sea obtained from Microwave radiometry. *Stefan Kern*
5. Ice winter strength in the western Baltic Sea in the period 1300-1500. *Natalija Schmelzer, G. Koslowski*
6. Under-ice zooplankton in the Baltic Sea. *Iris Werner*
7. Reconstruction of Annual Maximum Ice Extent in the Baltic Sea 1660-2005. *Lars Axell*
8. A Simplified Model of Sea Ice Deformation Based on the Formation Direction of Leads. *Christian Nohr, Göran Björk, Bo G. Gustafsson*