

INSTYTUT METEOROLOGII I GOSPODARKI WODNEJ
ODDZIAŁ BAŁTYCKI POLSKIEGO TOWARZYSTWA GEOFIZYCZNEGO



**Proceedings of the Third Workshop
on Baltic Sea Ice Climate**

**October 5-8, 1999
Stawiska, Poland**



WARSZAWA 2002

Contents

Preface	5
List of participants	7
Matti Leppäranta, Zhanhai Zhang, Jari Haapala, Tapani Stipa – A Field Study on Coastal Sea Ice Mechanics in the Bay of Bothnia	13
Ralf Döscher, Markus Meier – A first Test of an EVP Sea-Ice Model in the Baltic Sea	23
Mats Granskog – On the importance of the ice cover on the Baltic marine system – some biogeochemical aspects	35
Jari Haapala, Arja Juottonen, Marika Marnela – Scenario for the ice conditions in the Baltic Sea	39
Svetlana Jevrejeva – Freezing and break-up on the Baltic Sea along the Estonian coast 1890-1990	47
Janis Kostjukov – Ice conditions in the Gulf of Riga	53
Bogusz Piliczewski – Validation of HIROMB computed tempera- tures	55
Marzenna Sztobryn, Beata Kowalska – Severity of winters from XIV to XIX century	59
Juha Uotila – Baltic air-sea-ice study	69
Ilona Vahter – The ice winter of 1998/99 was altogether normal in Estonian coast	80