



## Program

### Sunday, 1 July 2007,

16:30-18:00		Guided walk through Longyearbyen. (with stopover at Supermarket...) Meeting outside barrack 4 in Nybyen
18:00-19:00		Reception, Registration at UNIS

### Monday, 2 July 2007

08:30-09:00		Walk from Nybyen to UNIS (meeting outside barrack 4)
09:00-10:00		Breakfast at UNIS
10:00-10:15	Dirk, Karolina	Opening, general information
10:15-10:25	Peter Haugan	Overview of IPY / Sea-Ice Summer School
10:25-10:35	Frank Nilsen	On Svalbard and UNIS
10:40-11:25	F. Skancke-Hansen	Arctic Safety
11:40-12:25	Hajo Eicken	Overview of sea ice in the climate system I
Lunch at UNIS		
13:30-14:15	Hajo Eicken	Overview of sea ice in the climate system II
14:15-15:00	Dirk Notz	Introduction to sea ice
Coffee break		
15:30-16:15	Knut Aagaard	Ice-ocean interaction in the Arctic I
16:15-17:00	Knut Aagaard	Ice-ocean interaction in the Arctic II
18:30-		Dinner and Ice-breaker party at UNIS

### Tuesday, 3 July 2007

08:30		Bus leaving from Nybyen
08:45-09:30	Knut Aagaard	Ice-ocean interaction in the Arctic III
09:30-10:15	Knut Aagaard	Ice-ocean interaction in the Arctic IV
Coffee break		
10:45-11:30	John Wettlaufer	Thermodynamics of crystallization I
11:30-12:15	John Wettlaufer	Thermodynamics of crystallization II
Lunch at UNIS		
13:30-14:15	Eystein Jansen	Paleo-reconstruction of sea ice I
14:15-15:00	Eystein Jansen	Paleo-reconstruction of sea ice II
Coffee break		
15:30-16:15	Don Perovich	The optical properties of sea ice
16:15-17:00	Don Perovich	The ice-albedo feedback
18:00		Dinner at UNIS
Evening		Students presenting themselves and their posters (1 transparency, 1 min each) Poster session I (Posters 1-38)

**Wednesday, 4 July 2007**

08:30		Bus leaving from Nybyen
08:45-09:30	Dirk Notz	Thermal properties and salinity evolution of sea ice
09:30-10:15	Don Perovich	The surface heat budget of sea
Coffee break		
10:45-11:30	Eystein Jansen	Paleo-reconstruction of sea ice III
11:30-12:15	Eystein Jansen	Paleo-reconstruction of sea ice IV
Lunch at UNIS		
13:30-14:15	Grae Worster	Analytic modeling of sea ice I
14:15-15:00	Grae Worster	Analytic modeling of sea ice II
17:00-		Kayak / Hiking / Mining trips Bring your own sandwiches etc.

**Thursday, 5 July 2007**

08:30		Bus leaving from Nybyen
08:45-09:30	David Thomas	The biogeochemistry of sea ice I
09:30-10:15	David Thomas	The biogeochemistry of sea ice II
Coffee break		
10:45-11:30	Grae Worster	Analytic modeling of sea ice III
11:30-12:15	Grae Worster	Analytic modeling of sea ice IV
Lunch at UNIS		
13:30-14:15	Miles McPhee	Ice-ocean interaction I
14:15-15:00	Miles McPhee	Ice-ocean interaction II
Coffee break		
15:30-16:15	Pat Langhorne	Ice-ocean interaction in the Antarctic I
18:00		Dinner at UNIS
evening		Discussion panel on "The future of sea ice"

**Friday, 6 July 2007**

08:30		Bus leaving from Nybyen
08:45-09:30	Christian Haas	Snow on sea ice I
09:30-10:15	Christian Haas	Snow on sea ice II
Coffee break		
10:45-11:30	John Wettlaufer	Premelting: From frost flowers to habitability
11:30-12:15	David Thomas	The biogeochemistry of sea ice III
Lunch at UNIS		
13:30-14:15	David Thomas	The biogeochemistry of sea ice IV
14:15-15:00	Miles McPhee	Ice-ocean interaction III
Coffee break		
15:30-16:15	Miles McPhee	Ice-ocean interaction IV
evening		Free, no dinner provided

**Saturday, 7 July 2007**

09:15		Bus leaving from Nybyen
09:30-10:15	Christian Haas	The ice-thickness distribution I
10:15-11:00	Christian Haas	The ice-thickness distribution II
Coffee break		
11:30-12:15	Pat Langhorne	Sea- ice – ocean interaction in the Antarctic II
Lunch at UNIS		
13:30-14:15	Frank Nilsen	Sea-ice – ocean interaction around Svalbard I
14:15-15:00	Frank Nilsen	Sea-ice – ocean interaction around Svalbard II
afterwards		Free, no dinner provided

**Sunday, 8 July 2007**

Boat trip to Barentsburg (duration about 9 to 10 hours),  
 bus leaving Nybyen at 10:30, lunch is included  
 No dinner provided in the evening

**Monday, 9 July 2007**

08:30		Bus leaving from Nybyen
08:45-09:30	Anna Sjöblom	Ice–Atmosphere boundary layer I
09:30-10:15	Anna Sjöblom	Ice–Atmosphere boundary layer II
Coffee break		
10:45-11:30	Cecilia Bitz	Numerical sea-ice modeling I
11:30-12:15	Cecilia Bitz	Numerical sea-ice modeling II
Lunch at UNIS		
13:30-14:15	Jean-Louis Tison	Gas transport in sea ice I
14:15-15:00	Jean-Louis Tison	Gas transport in sea ice II
Coffee break		
15:30- evening	Cecilia Bitz	Numerical sea-ice modeling: Exercises Free, no dinner provided

**Tuesday, 10 July 2007**

08:30		Bus leaving from Nybyen
08:45-09:30	Matti Leppäranta	Sea-ice dynamics I
09:30-10:15	Matti Leppäranta	Sea-ice dynamics II
Coffee break		
10:45-11:30	Anna Sjöblom	Ice–atmosphere boundary layer III
11:30-12:15	Heinke Schlünzen	Mesoscale ice–atmosphere interaction I
Lunch at UNIS		
13:30-14:15	Heinke Schlünzen	Mesoscale ice–atmosphere interaction II
14:15-15:00	Heinke Schlünzen	Mesoscale ice–atmosphere interaction III
Coffee break		
15:30-16:15	Leif-T. Pedersen	Remote sensing of sea ice I
16:15-17:00	Leif-T. Pedersen	Remote sensing of sea ice II
18:00		Dinner at UNIS
evening		Poster session II (posters 39-81)

**Wednesday, 11 July 2007**

08:30		Bus leaving from Nybyen
08:45-09:30	Igor Melnikov	Sea-ice biology I
09:30-10:15	Igor Melnikov	Sea-ice biology II
Coffee break		
10:45-11:30	Matti Leppäranta	Sea-ice dynamics III
11:30-12:15	Matti Leppäranta	Sea-ice dynamics IV
Lunch at UNIS		
13:30-14:15	Leif-T. Pedersen	Remote Sensing of Sea Ice III
14:15-15:00	Leif-T. Pedersen	Remote Sensing of Sea Ice IV
Coffee break		
15:15-16:00	Pat Langhorne	Iceberg–ocean interaction
16:00-17:00		Visit to Svalbard Museum
17:00		Dinner at UNIS

**Thursday, 12 July 2007**

08:30		Bus leaving from Nybyen
08:45-09:30	Kunio Shirasawa	Sea ice in enclosed basins I
09:30-10:15	Kunio Shirasawa	Sea ice in enclosed basins II
Coffee break		
10:45-11:30	Igor Melnikov	Sea-ice biology III
11:30-12:15	Igor Melnikov	Sea-ice biology IV
Lunch at UNIS		
13:30-14:15	S. Pryamikov	A historical overview of Russian polar research I
14:15-15:00	S. Pryamikov	A historical overview of Russian polar research II
Afterwards		Free, possibility for excursion to satellite station, Store Norske Coal-mining company, etc.,
evening		no dinner provided

**Friday, 13 July 2007**

08:30		Bus leaving from Nybyen
08:45-09:30	Alexey Marchenko	Sea ice and offshore structures
09:30-10:15	Alexey Marchenko	Sea ice and offshore structures
Coffee break		
10:45-11:30	S. Pryamikov	A historical overview of Russian polar research III
11:30-12:15	Danny Feltham	Sea-ice melt ponds
Lunch at UNIS		
13:30-14:15		Student session I
14:15-15:00		Student session II
Coffee break		
15:30-16:15		Concluding session
19:00		<b>Farewell barbecue</b>
19:15		Bus leaving from Nybyen Meeting outside of UNIS