



## BIPOLAR ATLANTIC THERMOHALINE CIRCULATION - BIAC

### BIAC SEMINAR

22-23 September 2008

Auditorium Eastwing, Geophysical Institute,  
University of Bergen

### AGENDA

#### Monday 22 September 2008

- 13:00 – 13:05      Welcome  
**Peter M. Haugan**
- 13:05 – 13:50      *Invited speaker: Keith W. Nicholls*  
Production of HSSW over the continental shelf, Weddell Sea
- 13:50 – 14:10      **Lars Henrik Smedsrud:** Storfjorden is Super cool(ed)  
14:10 – 14:30      **Alastair Jenkins:** Effect of waves on frazil and grease ice growth and vice versa
- 14:30 – 15:00      Break (Coffee/Tea and Healthy snacks)**

#### *Session: Presentations of Working Themes*

- 15:00 – 15:45      WT.3 Downslope processes – pathways, cascading and mixing  
**Jarle Berntsen**
- 15:45 – 16:30      WT.4 Contributions to the Atlantic THC and consequences for climate  
**Tore Furevik**
- 16:30 – 17:15      WT.5 Sustainable monitoring systems for dense water production on polar shelves.  
**Svein Østerhus**
- 17:15 - 17:45      Outreach  
**Svein Østerhus and Tordis Lerøen**
- 19:00 –              Dinner**  
Bølgen & Moi, Rasmus Meyers allé 9

Tuesday 23 September 2008

09:00 – 09:45        **Svein Østerhus**  
On the stability of the northern limb of the Atlantic THC

*Session: Presentations of Working Themes*

09:45 – 10:30        WT.1. Regional circulation and forcing – preconditions and variability  
**Richard Bellerby**

**10:30 – 11:00        Break (Coffee/Tea and Fruits)**

11:00 – 11:45        WT.2 Sea Ice freezing and HSSW formation  
**Frank Nilsen**

*Session: BIAC presentations*

11:45 – 12:05        **Marius Årthun:** Long term variability in the Barents Sea - preliminary  
results from HAMSOM

12:05 – 12:25        **Florian Geyer:** Variability of cross-sill flow at Storfjorden and wind  
influence

12:25 – 12:45        **Knut Sponheim Seim:** Regional simulations of the Faroe Bank  
Channel overflow

12:45 – 13:05        **Elin Darelus:** Preliminary results from the Faroe Bank Channel  
Overflow Mixing Experiment

**13:05 – 14:00        Lunch**

14:00 – 14:20        **Elin Darelus:** Rotary exchange flows and secondary circulation -  
preliminary results from laboratory experiments

14:20 – 14:40        **Joe LaCasce:** The best linear model of the ACC

14:40 – 15:00        **Stein Sandven:** Polynya observation in Storfjorden 2008 using satellite  
data

15:00 – 15:20        **Arne Instanes:** Remote research stations - engineering design

15:20 – 15:40        **Abdir Omar:** Inorganic carbon in Brine-enriched Shelf Water: CT vs S  
mixing lines & possible applications

**15:40 – 16:10        Break (Coffee/Tea)**

16:10 – 17:00        Discussion