

Blockseminar „Polar Processes I“
Monday, February 8, 2010
University of Bremen, building NW1, room U1050

Ocean:

- 09:30 – 09:40 Welcome and Logistics (Andreas Richter)
- 09:40 – 10:00 Qiang Wang (AWI Bremerhaven):
Overflow dynamics and Antarctic Bottom Water production in the western Ross Sea: Influence of Tides
- 10:00 – 10:20 Benjamin Rabe (AWI Bremerhaven):
An assessment of pan-Arctic ocean freshwater content changes from the 1990s to the IPY period

Ice:

- 10:20 – 10:50 Lars Kaleschke (Uni Hamburg):
The retreat of Arctic sea ice: observations and interpretations
- 10:50 – 11:10 Huanhuan Wang (IUP Bremen):
Remote Sensing of multiyear sea ice concentrations with AMSR-E 89 GHz data

11:10 – 11:30 *Coffee Break*

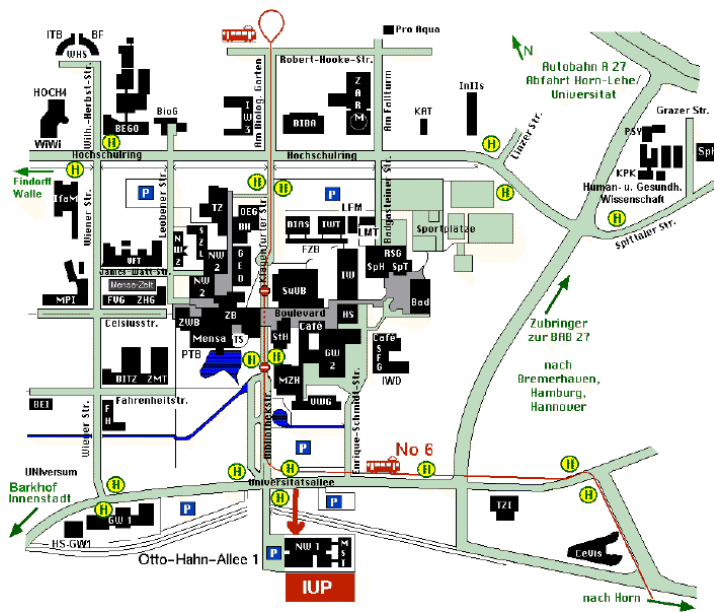
Troposphere:

- 11:30 – 12:00 Udo Frieß (IUP Heidelberg):
Is the Antarctic snowpack a strong source for iodine radicals?
- 12:00 – 12:20 Anja Schönhardt (IUP Bremen):
Satellite measurements of IO amounts over the South Polar Region and comparisons to BrO
- 12:20 – 12:40 Mathias Begoin (IUP Bremen):
Tropospheric BrO - Transport events in the polar boundary layer
- 12:40 – 13:00 Larysa Istomina (IUP Bremen):
Retrieval of aerosol optical thickness in the Arctic region using dual-view satellite observations
- 13:00 – 14:20 *Lunch break***

Middle Atmosphere:

- 14:20 – 14:50 Mark Weber (IUP Bremen):
The importance of Brewer-Dobson circulation for stratospheric chemistry and climate change
- 14:50 – 15:10 Gregor Kieseewetter (IUP Bremen):
Variability of the Arctic ozone layer
- 15:10 – 15:30 Thiranan Sonkaew/Kai-Uwe Eichmann (IUP Bremen):
Chemical ozone loss in the Arctic and Antarctic polar vortices for the years 2002 to 2009 derived from SCIAMACHY ozone profile observations
- 15:30 – 15:50 *Coffee Break***
- 15:50 – 16:10 Nadine Wieters (IUP Bremen):
The impact of energetic particle precipitation onto the polar middle atmosphere
- 16:10 – 16:30 Mathias Palm (IUP Bremen):
Ground-based microwave observations of the polar middle atmosphere
- 16:30 – 17:00 Open Discussion

How to get to IUP Bremen:



Institute of Environmental Physics
University of Bremen
Dept. of Physics and Electrical
Engineering, FB1
Otto-Hahn-Allee 1
28359 Bremen
Germany
www.iup.uni-bremen.de



You can reach the University of Bremen by tram no. 6 from both the airport (approx. 30 minutes) and the central station (about 15 minutes). Tickets are 2.25 € and are purchased at a ticket machine inside the tram.

Please leave the tram at the stop "Universität - Naturwissenschaften 1" (stops are announced). You cross the rails to the left in the direction of travelling, cross the big street (Universitätsallee) and enter the small street over the bridge towards the physics department (NW1). Don't use the main entrance in the glass hall but rather use the small entry to the right which leads to the library. Take the lift or the stairs to the first floor and follow the signs to room U1050

Hotels:

A hotel very close to the University (but not to the city centre is) the Hotel Munte

<http://www.hotel-munte.de/>

A less expensive small hotel close to the train station is the Hotel Boelts am Park (webpage is in German)

<http://www.hotel-boelts.de/pages/ueber-uns.php>

If you want to browse through hotels available, you might want to check the [city of Bremen tourist web page](#).

Contact:

Andreas Richter
Institute of Environmental Physics
University of Bremen
Building NW1, room U 2090
Otto-Hahn-Allee 1
Tel.: ++49 421 218 62103
richter@iup.physik.uni-bremen.de