

# IUP –AWI Blockseminar :

## Ice – Ocean Interaction

Date: 29.07.2014

Venue: Alfred Wegener Institut, Gebäude D, Hörsaal

### Morning Session

- 10:00 Introduction: Torsten Kanzow
- 10:15 Dirk Notz (MPI HH): *Understanding the ice-ocean interface.*
- 10:45 1. Yunfang Ye (IUP): *Detection of multiyear sea ice from satellite observations*
2. Marcus Huntemann (IUP): *Remote sensing of sea ice thickness from L-band microwave satellite observations.*
- 11:15 Rüdiger Gerdes (AWI): *A redistribution of fresh water between ocean and sea ice in the Arctic.*
- 11:45: Angelika Humbert (AWI): *Calving of ice shelves – how much is it affected by the ocean?*
- 12:15 Thomas Rackow (AWI): *Modeling iceberg drift and decay in the Southern Ocean.*

12:45: Lunch

### Afternoon session

- 13:45 Hartmut Hellmer (AWI): *The Antarctic driver of sea-level rise*
- 14:14 Oliver Huhn (IUP): *Using tracer observations to estimate basal melting of the Ice Shelves and Bottom Water formation in the Weddell Sea*
- 14:45 Matthias Mengel (PIK): *Ice plugs and their Role for the Stability of the Eastantarctic Ice Sheet*
- 15:15 Mojib Latif (GEOMAR): *Centennial Sea-Ice Ocean Interaction*
- 15:45 Rainer Gersonde (AWI): *Reconstruction of Quaternary Antarctic sea ice variability - tools, progress and limitations*