

Curriculum Vitae

KERSTIN HARTUNG

Personal Information

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Education

Since 10/2013 PhD Student, Meteorology (Stockholm University)
Thesis supervised by Gunilla Svensson, Rodrigo Caballero, Olof Runborg
10/2011 - 09/2013 MSc, Physics of the Earth and Atmosphere (University of Bonn)
Thesis supervised by Andreas Hense
10/2009 - 09/2011 BSc, Meteorology (University of Bonn)
Thesis supervised by Andreas Hense
08/2009 Abitur at the Kardinal-Frings-Gymnasium (Bonn)

Research Experience

02/2012 - 04/2012 Research internship at SMHI
Blocking Detection and Analysis in EC-Earth
11/2011 - 07/2013 Student assistant position at the Meteorological Institute Bonn
in HERZ-project on Retrospective Analysis of Regional Climate,
performing spectral analysis and model verification

Fellowships

10/2012 - 09/2013 Scholarship from the University of Bonn
Awarded for best meteorology Master's student

Teaching Experience

2016 TA for two week course Polar Prediction School at Abisko Field Station
Development and teaching of two computer exercises
2014, 2015, 2016 TA for Turbulent Boundary Layers in the Atmosphere and Ocean
2013, 2014 TA for Remote Sensing of the Atmosphere and Ocean

Conferences and Seminars

03/2017 ECMWF seminar, Reading, UK
Coupled Single-Column Model Framework for Marine and Polar Processes
(invited talk)
01/2017 AMS meeting, Seattle, US
Coupled Single-Column Model Framework for Polar Processes (presentation)
04/2016 Workshop on Atmospheric Blocking, Reading, UK
Model resolution, physics and atmosphere-ocean interaction:
How do they influence atmospheric blocking? (presentation)
08/2015 SPARC storm track workshop, Grindelwald, Switzerland

- Model resolution, physics and atmosphere-ocean interaction:
How do they influence atmospheric blocking? (presentation)
- 04/2013 EGU, Vienna, Austria
Evaluating atmospheric blocking in the global climate model EC-Earth
(presentation)
- 05/2012 EC-Earth group meeting, ECMWF, UK
Evaluating atmospheric blocking in the global climate model EC-Earth
(presentation)

Publications

- Day, J.J., G. Svensson, I.M. Brooks, C. Bitz, L. Broman, G. Carver, M. Chevallier, H. Goessling, **K. Hartung**, T. Jung, J.E. Kay, E.W. Kolstad, D. Perovich, J. Screen, S. Siemen, and F. Váña (2017): The Abisko Polar Prediction School. *Bull. Amer. Meteor. Soc.*, 98, 445-447, doi: 10.1175/BAMS-D-16-0119.1.
- Pithan, F., A. Ackerman, W. M. Angevine, **K. Hartung**, L. Ickes, M. Kelley, B. Medeiros, I. Sandu, G.-J. Steeneveld, H. A. M. Sterk, G. Svensson, P. A. Vaillancourt and A. Zadra (2016), Select strengths and biases of models in representing the Arctic winter boundary layer over sea ice: the Larcform 1 single column model intercomparison, *J. Adv. Model. Earth Syst.*, 8, 1345-1357, doi:10.1002/2016MS000630.
- Springer, A., J. Kusche, **K. Hartung**, C. Ohlwein, and L. Longuevergne (2014), New Estimates of Variations in Water Flux and Storage over Europe Based on Regional (Re)Analyses and Multisensor Observations. *J. Hydrometeor.*, 15, 2397-2417, doi: 10.1175/JHM-D-14-0050.1.