

# Lennart Marien

## Curriculum Vitae

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### Education & Professional Experience

- since 08/2014 PhD Student at the Climate Service Center Germany / Helmholtz-Zentrum Geesthacht
- 04/2013–07/2014 Member of the Scientific Staff (Wissenschaftlicher Mitarbeiter) at the Climate Service Center Germany / Helmholtz-Zentrum Geesthacht
- since 02/2013 Graduated from the University of Hamburg in Applied Mathematics (Diploma)  
Thesis: Zur numerischen Lösung eines unilateralen Kontaktproblems
- 10/2004–10/2011 Student Research Assistant at the Max-Planck-Institute for Meteorology

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### Additional Training

- 24–27/02/2014 Course in Parallel Programming with MPI and OpenMP at TU-Dresden (ZIH), Dresden
- 20–24/01/2014 Advanced Course in Climate Time Series Analysis at Climate Risk Analysis, Hanover
- 11–13/06/2013 Python workshop organized by PROTRANET, Hamburg

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### Software & Programming

Matlab, Fortran 77/90/95, MPI/OpenMP, Kornshell, Python, CDO, Ruby  
Linux, Unix, Windows, LaTeX

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### Languages

- German native
- Englisch fluent (spoken and written form)

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### Research Interests

Nonhydrostatic Modelling  
Influence of Complex Terrain on Precipitation Projection  
Vertical Coordinate Systems in Atmospheric Models  
Pressure Gradient Error