

Curriculum Vitae

Dr. Gregor Pante (né Gläser)

Karlsruhe Institute of Technology (KIT)
Institute for Meteorology and Climate Research (IMK)
76128 Karlsruhe, Germany

e-mail: gregor.pante@kit.edu
Phone: (+49) (0)721 608-43302
Fax.: (+49) (0)721 608-46102

Employment & Education

since 04/2014	Research associate at the Institute for Meteorology and Climate Research - Troposphere Research, Karlsruhe Institute of Technology, Germany, working group of Prof. Peter Knippertz
01/2012 - 03/2014	Research associate at the Institute for Atmospheric Physics, Johannes Gutenberg University of Mainz, Germany, working group of Jun.-Prof. Holger Tost
01/2013	PhD in Meteorology at the Institute for Atmospheric Physics, Johannes Gutenberg University of Mainz, Germany Mark: "magna cum laude"
04/2009 - 12/2012	PhD student in the working group of Prof. Heini Wernli Subject: <i>Mineral dust mobilisation, transport, and deposition in different climate epochs</i>
03/2009	Diploma in Meteorology at the Institute for Atmospheric Physics, Johannes Gutenberg University of Mainz, Germany Mark: "sehr gut"
05/2008 - 03/2009	Graduand in the working group of Dr. Peter Knippertz Subject: <i>Dynamics of a large-scale dust storm in the Sahara</i>
08/2007 - 01/2008	Semester abroad at the University of Uppsala, Sweden
04/2006 - 07/2007 & 07/2008 - 03/2009	Research assistant in the working group of Dr. Peter Knippertz
04/2004 - 03/2009	Studies in Meteorology at the Johannes Gutenberg University of Mainz, Germany

Publications

- 2015 **Gläser, G.**, Wernli, H., Kerkweg, A., Teubler, F.: The transatlantic dust transport from North Africa to the Americas – Its characteristics and source regions, *J. Geophys. Res.: Atmos.*, 120, 11231-11252, doi:10.1002/2015JD023792
- 2013 Knippertz, P., Wernli, H., **Gläser, G.**: A global climatology of tropical moisture exports, *J. Clim.*, 26(10), 3031-3045, doi:10.1175/JCLI-D-12-00401.1
- Gläser, G.**: Mineral dust mobilisation, transport, and deposition in different climate epochs, Dissertation, Johannes Gutenberg University of Mainz, Germany
- 2012 **Gläser, G.**, Knippertz, P., Heinold, B.: Orographic effects and evaporative cooling along a subtropical cold front: The case of the spectacular Saharan dust outbreak of March 2004, *Mon. Wea. Rev.*, 140(8), 2520-2533, doi:10.1175/MWR-D-11-00315.1
- Gläser, G.**, Kerkweg, A., Wernli, H.: The mineral dust cycle in EMAC 2.40: sensitivity to the spectral resolution and the dust emission scheme, *Atm. Chem. Phys.*, 12(3), 1611-1627, doi:10.5194/acp-12-1611-2012

Scientific Presentations

- 2014 COSMO User Seminar, Offenbach, Germany: *Using the MESSy interface for 1- and 2-way online coupling of COSMO/CLM with the global chemistry climate model EMAC*
- MiKlip Status Seminar, Karlsruhe, Germany: *FLAGSHIP – feedback of a limited area model to the global scale*
- 2013 CLM-Community Assembly, Zurich, Swiss: *One- and two-way coupled simulations of the spectacular Saharan dust outbreak of March 2004*
- 3rd EMAC Symposium, Karlsruhe, Germany: *Saharan dust outbreak of March 2004 – One- and two-way coupled simulation with MECO(n)*
- DKRZ user workshop, Hamburg, Germany: *Modeling of emission, transport, and deposition of mineral dust in different climate epochs* (Poster, presented by A. Kerkweg)
- 2012 16th International Conference on Clouds and Precipitation, Leipzig, Germany: *Impact of microphysical processes on weather and climate via the amplification and breaking of tropopause-level Rossby waves* (Co-author of the poster of H. Joos)
- 32nd NATO/SPS International Technical Meeting on Air Pollution Modelling and its Application, Utrecht, Netherlands: *Impact of different physical parameterizations on the global modeling of desert dust – importance of the initialization fields* (Co-author of the presentation of M. Astitha)

European Geosciences Union - General Assembly, Vienna, Austria: *Global tropical moisture exports and their influence on extratropical cyclone activity* (Co-author of the poster of P. Knippertz)

2nd EMAC Symposium, Mainz, Germany: *The mineral dust cycle during the Little Ice Age*

- 2011 Geocycles Symposium, Mainz, Germany: *The mineral dust cycle in different climate epochs – Simulations with a global chemistry climate model*
Award: “Best PhD student talk”

PhD student’s seminar of the Johannes Gutenberg University of Mainz, Germany: *The mineral dust cycle in different climate epochs – simulations with a global chemistry climate model*

1st EMAC Symposium, Oberpfaffenhofen, Germany: *Sensitivity of the dust cycle in different climate epochs*

- 2010 DACH Meteorology-conference, Bonn, Germany: *“Sensitivität des Mineralstaubzyklus in einem Chemie-GCM”*

10th EMS Annual Meeting, Zurich, Swiss: *Sensitivity of the dust cycle in a chemistry-GCM*

PhD student’s seminar of the Johannes Gutenberg University of Mainz, Germany: *Modelling of the transport of dust in different climate epochs: Motivation and questions*

- 2009 30th International Conference on Alpine Meteorology, Rastatt, Germany: *Influence of the Atlas Mountains on a large-scale dust storm in the Sahara Desert in March 2004*

Award: “Young Scientist Presentations Award” - Joined 2nd place in the category *oral Presentations*

Further training

- | | |
|---------|---|
| 07/2009 | HLRE2 Blizzard workshop, DKRZ, Hamburg, Germany |
| 02/2008 | COSMO/CLM Training, German Weather Service, Langen, Germany |

Miscellanea

- | | |
|-------------|--|
| 2009 - 2011 | System administrator at the Institute for Atmospheric Physics, Johannes Gutenberg University of Mainz, Germany |
| 2011 | Supervisor of the Diploma thesis of Franziska Gierth at the Institute for Atmospheric Physics, Johannes Gutenberg University of Mainz, Germany |
| 12/2010 | Organiser of the PhD student’s seminar at the Institute for Atmospheric Physics, Johannes Gutenberg University of Mainz, Germany |

11/2008 - 03/2009

Research Fellowship of the Johannes Gutenberg University of Mainz, Germany: "Stipendium zur Anfertigung von Abschlussarbeiten"