

CURRICULUM VITAE – DR. J. DORRESTIJN

PERSONAL DETAILS

Surname	Dorrestijn	Nationality	Dutch
Given Name	Jesse	Address	Witte de Withstraat 136 II, 1057 ZJ, Amsterdam, Netherlands
Date of Birth	17 April 1982	E-mail	jessedorrestijn2@gmail.com
Place of Birth	's-Hertogenbosch, Netherlands	Cell Phone	+31687857578
Sex	Male		

EDUCATION

- Jun 2010 - Sep 2016 **Doctor in Atmospheric Sciences**
-PhD Defense: Sep 8th, 2016, Delft University of Technology
-PhD Thesis: Stochastic Convection Parameterization
-Promotors: Prof. Dr. A. Pier Siebesma (Delft University of Technology, KNMI) & Prof. Dr. Daan T. Crommelin (University of Amsterdam, Korteweg-de Vries Institute)
- Sep 2005 - Sep 2008 **Master Mathematical Sciences** (*cum laude*)
-Utrecht University
-Dutch Master Program in Mathematics (www.mastermath.nl)
-Major: Probability Theory and Stochastic Processes
-Master Thesis: Graphing conformity of distributions to Benford's Law for various bases
-Supervisor: Dr. Karma Dajani (Utrecht University)
- Sep 2004 - Aug 2005 **Erasmus Exchange Program**
-Sapienza University of Rome
-Mathematics
-Language acquisition Italian
- Sep 2000 - Aug 2004 **Bachelor Mathematical Sciences**
-Utrecht University
- Aug 1995 - Jun 2000 **Atheneum**
-Alberdingk Thijm College, Hilversum

WORK EXPERIENCE

- Nov 2016 -Nov 2017 **Postdoctoral Scholar at NASA-JPL/Caltech**
-Researcher at NASA's Jet Propulsion Laboratory
California Institute of Technology, Pasadena, USA
-Atmospheric Infrared Sounder (AIRS) mission

Jun 2010 - Feb 2015 **PhD Candidate**

-Researcher at Centrum Wiskunde & Informatica (CWI), the National Research Institute for Mathematics and Computer Science, Amsterdam

-Topic: Stochastic representations of clouds and convection in weather and climate models

-In cooperation with Koninklijk Nederlands Meteorologisch Instituut (KNMI), the Royal Netherlands Meteorological Institute in De Bilt and in cooperation with Delft University of Technology

Dec 2008 - May 2010 **Tutor** for secondary school children at Van Berkum, Amersfoort

-Trainings for the students' final exams

Jul 2007 - Oct 2016 **Singing performances**

-Theatre festival "de Parade" throughout the Netherlands

-Boulevard of Broken Dreams festival in Berlin, Germany

-Betty Asphalt Complex, Amsterdam

Dec 2005 - Jul 2008 **Voluntary** worker at Rialto Film Theatre, Amsterdam

COURSES

Sep 2006 - Jun 2007 **Language acquisition French**

-Maison Descartes, Institut Français des Pays-Bas, Amsterdam

Oct 2001 - Jun 2003 **Language acquisition Modern Greek**

-Anagennisi, Utrecht

LANGUAGES

Dutch, English, German, Italian, French

SOFTWARE

MATLAB, LaTeX, FORTRAN, Python, HTML, GIMP

PERSONAL INTERESTS

Classical guitar, poetry, chess, traveling

SCIENTIFIC PUBLICATIONS

- J. Dorrestijn, B.H. Kahn, J. Teixeira and F.W. Irion. Instantaneous variance scaling of AIRS thermodynamic profiles using a circular area Monte Carlo approach, *Atmos. Meas. Tech.*, accepted for publication, 2018.
- J. Dorrestijn, D.T. Crommelin, A.P. Siebesma, H.J.J. Jonker, and F. Selten. Stochastic convection parameterization with Markov chains in an intermediate complexity GCM. *J. Atmos. Sci.*, 73:1367-1382, 2016.
- J. Dorrestijn, D.T. Crommelin, A. Pier Siebesma, H.J.J. Jonker, and C. Jakob. Stochastic parameterization of convective area fractions with a multcloud model inferred from observational data. *J. Atmos. Sci.*, 72:854-869, 2015.
- J. Dorrestijn, D.T. Crommelin, J.A. Biello, and S.J. Böing. A data-driven multi-cloud model for stochastic parametrization of deep convection. *Phil. Trans. R. Soc. A*, 371:20120374, 2013.
- J. Dorrestijn, D.T. Crommelin, A.P. Siebesma, and H.J.J. Jonker. Stochastic parameterization of shallow cumulus convection estimated from high-resolution model data. *Theor. Comput. Fluid Dyn.*, 27:133-148, 2013.

TALKS, POSTER PRESENTATIONS AND PANELS

- Department of Energy (DOE) Computational Climate Panel, **Washington DC**, USA, May 17-18, 2017. (*Panel member*)
- California Institute of technology, **Pasadena**, USA, April 25, 2017. (*Talk*)
- Seminar at the Meteorology and Air Quality Group at **Wageningen** University, Netherlands, Oct 3, 2016. (*Talk*)
- ECMWF/WWRP Workshop: Model Uncertainty, **Reading**, UK, Apr 11-15, 2016. (*Talk*)
- Center for Climate Sciences Seminar, JPL/Caltech, **Pasadena**, CA, USA, Feb 12, 2016. (*Talk*)
- WGNE/GASS Workshop: The Grey Zone Project at Max Planck Institute for Meteorology, **Hamburg**, Germany, Dec 1-3, 2014. (*Talk*)
- Boundary Layer Turbulence (BLT-BBOS) workshop at the Meteorology and Air Quality Section, **Wageningen** University, Netherlands, Oct 10, 2014. (*Talk*)
- Modelling, Analysis and Computing Seminar at CWI, **Amsterdam**, Netherlands, Sep 30, 2014. (*Talk*)
- Cogrow workshop, Radboud University **Nijmegen**, Netherlands, Sep 8-9, 2014. (*Talk*)
- World Weather Open Science Conference (WWOSC) 2014, **Montreal**, Canada, Aug 16-21, 2014. (*Talk*)
- 7th International Conference on the Global Water and Energy Cycle, **The Hague**, Netherlands, Jul 14-17, 2014. (*Poster*)
- Group seminar, **Delft** University of Technology, Netherlands, Apr 2, 2014. (*Talk*)
- Workshop on Probabilistic Cellular Automata, TU-**Eindhoven**, Netherlands, Jun10-12,2013. (*Poster*)
- Werkgemeenschap Scientific Computing, CWI, **Amsterdam**, Netherlands, May 17, 2013. (*Talk*)
- Workshop on Stochastic Modelling and Computing for Weather and Climate Prediction, Oriel College, **Oxford**, UK, Mar 18-21, 2013. (*Talk*)
- AGU-fall meeting, **San Francisco**, USA, Dec 3-7, 2012. (*Poster*)
- Workshop on Stochasticity, Ludwig-Maximilians Universität-**München**, Germany, October 17-18, 2012. (*Talk*)
- Boundary Layer Turbulence (BLT-BBOS) workshop, **Wageningen** University, Netherlands, September 21, 2012. (*Talk*)
- PhD days in analysis and dynamics, **Lunteren**, Netherlands, Apr 26-27, 2012. (*Talk*)
- Woudschoten Conference, **Woudschoten**, Netherlands, Oct 5-7, 2011. (*Poster*)
- Workshop on Representing Model Uncertainty and Error in Numerical Weather and Climate Prediction Models, **Reading**, UK, Jun 2011. (*Poster*)
- Nederlands Mathematisch Congres 2011, The 47th Dutch Mathematical Congress, University of Twente, **Enschede**, Netherlands, Apr 2011. (*Poster Price*)