

Jorge Lindley

Curriculum Vitae

Education

- 2013–Present **PhD Mathematics and Statistics**, *The University of Warwick*.
- 2012–2016 **Postgraduate Award in Transferable Skills**, *The University of Warwick*.
- 2012–2013 **Masters of Mathematics and Statistics MSc**, *The University of Warwick*.
Merit
- 2008–2012 **Master of Mathematics MMATH**, *The University of Warwick*.
First Class Honours
- 2006–2008 **4 A-Levels, 1 AS-Level**, *Moorlands Sixth Form Centre*, Cheadle.
A-Levels: Mathematics - A, Further Mathematics - A, Physics - A, Computing - A
AS-Level: Chemistry - A,
- 2001–2006 **12 GCSEs**, *Painsley Catholic College*, Cheadle.

PhD Thesis

- Title *A Discontinuous Galerkin Finite Element Method For Quasi-Geostrophic Frontogenesis*
- Supervisors Professor Robert Kerr & Doctor Andreas Dedner
- Description A study of the role of weather front formation in the atmosphere and development of a discontinuous Galerkin finite element method for a simplified atmospheric model known as the quasi-geostrophic equations. Numerical method developed using the Distributed and Unified Numerical Environment (DUNE) and High Performance Computing facilities at the University of Warwick Centre of Scientific Computing.

Experience

Vocational

- 2013–Present **Postgraduate Researcher**, *Mathematics Institute, The University of Warwick*.
Worked with accomplished academic professionals researching atmospheric dynamics, numerical analysis, computational fluid dynamics (CFD) and high performance computing.
- 2014–2017 **Teaching Assistant**, *Mathematics Institute, The University of Warwick*.
Ran support classes for undergraduate and postgraduate course modules, helped students work through problems and explained lecture material. Moderated exam questions.

Miscellaneous

- 2014–2017 **Examination Invigilator**, *The University of Warwick*.
Monitored students during examinations, delivered scripts to appropriate departments.
- 2012 **Undergraduate Supervisor**, *The University of Warwick*.
Met with a small group of undergraduate students twice per week to provide support for course work, marked assignments and provided feedback.

Voluntary

- 2011-2015 **President, Treasurer**, *University of Warwick Archery Club*.
Organised executive committee, chaired executive meetings, designed tournament kit. Previously managed club finances and sold merchandise as Treasurer.
- 2010-2012 **Vice President, Equipment Officer**, *University of Warwick Kempo Jui Jitsu Club*.
Assisted in club organisation, liaising with instructor. Previously maintained club equipment as Equipment Officer.

Awards

- 2012-2016 EPSRC Full Research Grant for MASDOC (Grant No. EP/HO23364/1)
2013-2015 Warwick Sports Scholarship

Computer skills

- Advanced C, C++, DUNE, Git, Computational Fluid Dynamics
Intermediate VISUAL BASIC, HTML, MATLAB, L^AT_EX, Microsoft Office, Unix, Microsoft Windows, Website Design, High Performance Computing, Paraview
Basic JAVA, Adobe Photoshop

Conferences

- 2016 Poster at the Scientific Computing Research Showcase, University of Warwick
2015 Oral Presentation at the MASDOC Annual Conference, St. Briavels Castle
2015 Poster at the Computing Matters Workshop, University of Warwick
2014 Oral Presentation at EUROMECH Colloquium 561: Dimensionality of Turbulence, Coventry University
2014 Oral Presentation at 3rd MASDOC/CCA Student Workshop, University of Cambridge

Languages

- English Native
German Basic *Basic words and phrases only*

Other Skills and Interests

- + Member of Royal Meteorological Society (RMetS)
- + Archery - Currently hold an archery instructor qualification. Competed for Warwickshire county. Ranked 22nd in Britain in 2014.
- + Weightlifting
- + Martial Arts - Jui Jitsu (Yellow Belt), Kempo (Purple Belt)
- + Driving Licence (full, clean)

References Available on Request