

RESEARCH INTEREST

- Stellar brightness variability
- Radiative transfer in stellar atmospheres
- Fluid dynamics, especially magnetohydrodynamics, instabilities and turbulence
- Non-linear 3D simulations by using direct numerical calculations

EDUCATION

PhD in Applied Mathematics	10/2013-08/2017
CITY, UNIVERSITY OF LONDON, UNITED KINGDOM	
Thesis: Shear Flow Instabilities in Stars; Linear Stability and Non-Linear Evolution	
Supervisor: Dr L. J. Silvers (funded by Science and Technology Facilities Council)	
Master of Science in Physics	10/2010-05/2013
Master of Science in Physics Ludwig Maximilian University of Munich, Germany	10/2010-05/2013
Master of Science in Physics Ludwig Maximilian University of Munich, Germany Bachelor of Science in Physics	10/2010-05/2013 10/2007-08/2010

TALKS AND POSTER PRESENTATIONS

Invited Seminar: 'How Investigating Shear-Driven Turbulence Helps to Understand Stellar Interiors', Solar Group Seminar, MPS, Göttingen, Germany	Dec 2016
Talk: 'Evolution of Forced Shear Flows in Polytropic Atmospheres', Inaugural UK Fluids Conference, London, UK	Sept 2016
Talk: 'Dynamo Action in Turbulent Fully Compressible Shear Flows', UK MHD Meeting, Glasgow, UK	May 2016
Poster: 'Linear Shear Flow Instabilities in a Polytropic Atmosphere', Bifurcations and instabilities in fluid dynamics, Paris, France	July 2015
Poster: 'Turbulent Regime of a Kelvin-Helmholtz Instability in a Compressible Fluid', International HPC Summer School, Toronto, Canada	June 2015
Talk: 'Shear Instabilities in a Fully Compressible Polytropic Atmosphere', Joint British Mathematical Colloquium & British Applied Mathematics Colloquium, Cambridge, UK	April 2015
Invited Seminar: 'Magnetohydrodynamics Applied to Stellar Objects', University of Kent, Canterbury, UK	March 2015
Poster: 'Shear Driven Turbulence in a Compressible Fluid', UK MHD Meeting, Exeter, UK	May 2014

EXPERIENCE IN ACQUIRING EXTERNAL FUNDING

BFWG Scholarship Fund/ The Mary Kearsley Scholarship (£4000)	2016
Successful Application for the International HPC Summer School 2015 (Success Rate 10 %)	2015

RESEARCH TRAININGS AND SCHOOLS

International HPC Summer School 2015, University of Toronto, Toronto, Canada	June 2015
STFC Advanced Summer School in Solar Physics, University of Dundee, Dundee, UK	Aug 2014
Hands-On Introduction to High Performance Computing and Message-Passing Programming with MPI, EPCC, University of Edinburgh, Edinburgh, UK	July 2014
New Challenges in Turbulence Research III, Les Houches School of Physics, Les Houches, France	March 2014

TEACHING AND SUPERVISION EXPERIENCE

Co-Supervisor for visiting student,	05/2017-present
MAX PLANCK INSTITUT FOR SOLAR SYSTEM RESEARCH	
IT Teacher, David Game College, London	06/2016-08/2016
Tutor for Programming Labs, CITY, UNIVERSITY OF LONDON	10/2014-06/2016
Tutor for Maths in Actuarial Science, CITY, UNIVERSITY OF LONDON	10/2014-06/2016
Tutor for Physics Labs, LUDWIG MAXIMILIAN UNIVERSITY OF MUNICH	08/2010-03/2013

PROGRAMMING SKILLS

Advanced Knowledge	Fortran, MPI, Matlab, Larger, Microsoft Office.
Basic Knowledge	Mathematica, C++, IDL, Maple.

LANGUAGES

German, Russian	native
English	fluent
French, Spanish	beginner

HONORARY COMMITMENTS / PUBLIC ENGAGEMENT

Participation in the outreach event 'Pint of Science Festival' Organising the events 'From Atoms to Galaxies' at CITY, UNIVERSITY OF LONDON	11/2015-06/2016
Organiser for PhD seminars across several departments, CITY, UNIVERSITY OF LONDON	01/2014-12/2015
PhD students representative, CITY, UNIVERSITY OF LONDON	10/2013-10/2014

Göttingen, 20th October 2017

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