

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 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)	10/2013–08/2017
Master of Science in Physics LUDWIG MAXIMILIAN UNIVERSITY OF MUNICH, GERMANY	10/2010–05/2013
Bachelor of Science in Physics LUDWIG MAXIMILIAN UNIVERSITY OF MUNICH, GERMANY	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 Polytrropic 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 Polytrropic 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 Polytrropic 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

