

Dr. Vigeesh G
Department of Astronomy
New Mexico State University
P. O. Box 30001, MSC 4500
Las Cruces, NM 88003, USA
Tel: +1 575-646-2399
Fax: +1 575 646 1602
email: vigeesh@nmsu.edu

Prof. Isabelle Baraffe
School of Physics
Stocker Road
Exeter, EX4 4QL, UK

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Sub: Application for the position of Postdoctoral Researcher Ref: P44453/P44454

Dear Prof. Baraffe,

I wish to apply for the Postdoctoral position in Computational Stellar Astrophysics at the University of Exeter (Ref: P44453/P44454). I completed my PhD in Physics from the Indian Institute of Astrophysics, Bangalore, in July 2010. My thesis was in solar physics. As part of my thesis titled "Structure, dynamics and heating in magnetized regions of solar atmosphere", I carried out numerical studies of wave propagation in magnetically structured solar atmosphere.

I am currently working as a Postdoctoral Researcher with Dr. Jason Jackiewicz at New Mexico State University on problems related to Time-distance helioseismology using 3D numerical simulations of magneto-convection. My expertise is mainly in magnetohydrodynamic simulations of solar atmosphere and subsurface and I have a good background in large-scale data analysis and visualization. I believe that my research experience satisfies the requirement sought for the position.

Please consider this as my application for the Postdoctoral position at your institute. My CV with contact details of three referees, list of publication, summary of my research interests are herewith enclosed. I will be happy to answer any further queries.

Thanking you.

Yours sincerely,

Vigeesh G