

CONTACT	Department of Astronomy New Mexico State University P. O. Box 30001, MSC 4500 Las Cruces, NM 88003, USA	<i>Tel:</i> +1 575 646 2399 <i>Fax:</i> +1 575 646 1602 <i>email:</i> <a href="mailto:vigeesh@nmsu.edu">vigeesh@nmsu.edu</a>
EDUCATION	Ph.D. in Physics (Indian Institute of Astrophysics) Thesis: <i>Structure, dynamics and heating in magnetized regions of the solar atmosphere</i> MSc. in Physics BSc. in Physics	Mangalore University, 2010 Kannur University, 2003 Kannur University, 2001
EMPLOYMENT	Department of Astronomy, New Mexico State University <i>Postdoctoral Researcher</i> Indian Institute of Astrophysics <i>Postdoctoral Fellow</i>	Las Cruces, NM, USA Nov 2011 - present Bangalore, India Nov 2010 - Nov 2011
RESEARCH INTERESTS	Solar and stellar magnetism Energy transport by waves in solar atmosphere Helio- and Asteroseismology Computational MHD: code modification and development	
RESEARCH EXPERIENCE	Extensively used various MHD codes including CO <sup>5</sup> BOLD and VAC Construction of magneto-hydrostatic models for magnetic network on the Sun Numerical simulation of waves in magnetically structured solar atmosphere Time-distance helioseismology using numerical simulations Expertise in data analysis and visualization	
VISITING SCHOLAR	Kiepenheuer-Institut Für Sonnenphysik <i>Dr. Oskar Steiner</i> SP <sup>2</sup> RC, Dept. of Applied Mathematics, University of Sheffield <i>Prof. Róbert (Erdélyi) von Fáy-Siebenbürgen</i>	Freiburg, Germany Jun/Jul 2011; Aug-Oct, 2008; Aug-Nov, 2007; Jul-Aug, 2006 Sheffield, UK Jun 2011; Jan - Apr & Jul 2007
TALKS, CONFERENCES, SCHOOLS	Local Helioseismology: Data Analysis, Modeling and Comparisons ( <i>Talk</i> ) Kiepenheuer-Institut Für Sonnenphysik ( <i>Talk</i> ) Dept. of Applied Mathematics, University of Sheffield ( <i>Talk</i> ) 3rd Indo-China workshop & 1st Asia Pacific meeting on Solar Physics ( <i>Poster</i> ) Asia Oceania Geosciences Society (AOGS) Annual Meeting ( <i>Poster</i> ) "Magnetic Coupling between the Interior and Atmosphere of the Sun" ( <i>Poster</i> ) IAU Symposium 257 on "Universal Heliophysical Processes" ( <i>Poster</i> ) 12 <sup>th</sup> European Solar Physics Meeting (ESPM) ( <i>Poster</i> ) Particle Physics and Astronomy Summer School ( <i>Participant</i> ) PPARC School in Advanced Computational Methods in MHD ( <i>Participant</i> ) Winter School on Solar Physics ( <i>Participant</i> )	Tucson, Mar 2012 Freiburg, Jun 2011 Sheffield, Jun 2011 Bangalore, Mar 2011 Hyderabad, Jul 2010 Bangalore, Dec 2008 Ioannina, Sep 2008 Freiburg, Sep 2008 Sheffield, Jun/Jul 2007 St. Andrews, Jan 2007 Kodaikanal, Dec 2006
RELATED EXPERIENCE	Observations at the Dunn Solar Telescope PI: <i>Dr. Aleksandra Andic</i> Observations at the German Vacuum Tower Telescope PI: <i>Dr. Rolf Schlichenmaier</i> , CCI International Time Program	Sunspot, NM May 2012 and Jul- Aug 2012 Teneriffe, Canary Islands Aug 8 - Sep 27, 2007

COLLABORATION	3D magneto-convection simulations of solar and stellar atmosphere using CO <sup>5</sup> BOLD code <i>O. Steiner</i> (KIS, Germany) & <i>S. P. Rajaguru</i> (IIA, India)	
	3D simulations of MHD wave propagation in solar atmosphere using Sheffield Advection Code <i>R. Erdélyi</i> (Sheffield, UK), <i>V. Fedun</i> (Sheffield, UK) & <i>S. S. Hasan</i> (IIA, India)	
	MHD wave propagation in magnetic flux-sheet using 2D simulations <i>S. S. Hasan</i> & <i>O. Steiner</i>	
ACTIVITIES/	Distinguished Member, NMSU Teaching Academy	2011-2012
QUALIFICATIONS	Graduate Aptitude Test in Engineering (GATE) in Physics	2003
	National English Language Testing Service (NELTS) Exam	1998
COMPUTER SKILLS	Operating System: Linux, Mac, Windows, Solaris	
	Programming: Fortran, IDL, <i>Mathematica</i> , Python	
	Others: SolarSoft, VAPOR, HPC on Cluster Computers	
REFERENCES	<b>Prof. S. S. Hasan</b> (PhD supervisor)	
	Indian Institute of Astrophysics	<i>Tel:</i> +91 80 25530583
	Koramangala	<i>Fax:</i> +91 80 25534019
	Bangalore - 560 034, India	<i>email:</i> <a href="mailto:hasan@iiap.res.in">hasan@iiap.res.in</a>
	<b>Dr. Oskar Steiner</b> (PhD co-supervisor)	
	Kiepenheuer-Institut für Sonnenphysik	<i>Tel:</i> +49 761 3198 0
	Schöneckstr.6	<i>Fax:</i> +49 761 3198 111
	D-79104 Freiburg, Germany	<i>email:</i> <a href="mailto:steiner@kis.uni-freiburg.de">steiner@kis.uni-freiburg.de</a>
	<b>Dr. Jason Jackiewicz</b>	
	Department of Astronomy	<i>Tel:</i> +1 575 646 1699
	New Mexico State University	<i>Fax:</i> +1 575 646 1602
	P. O. Box 30001, MSC 4500	<i>email:</i> <a href="mailto:jasonj@nmsu.edu">jasonj@nmsu.edu</a>
	Las Cruces, NM 88003, USA	

PLACE: Las Cruces  
DATE: February 28, 2013

VIGEESH G