

**PROGRAM**  
**ADVANCES IN SEISMOLOGY: A DIALOGUE ACROSS DISCIPLINES, TIFR-Mumbai, 7-11 December 2015**

TIME	Day 1: Monday - 7 December 2015	Day 2: Tuesday- 9 December 2015	Day 3: Wednesday - 9 December 2015	Day 4: Thursday - 10 December 2015	Day 5: Friday - 11 December 2015
	<b>Helioseismology</b>	<b>Asteroseismology I</b>	<b>Asteroseismology II</b>	<b>Helioseismology and the Dynamo</b>	<b>MP Partner Gourp Mumbai: FORWARD / INVERSE MODELING</b>
08:30					
09:00	<b>Registration and Preliminary remarks</b>	Tim Bedding: A Golden Age of Asteroseismology: Recent Highlights and Future Prospects	Hideyuki Hotta: Simulating Solar Convection: State of the Art and Future	Matthias Rempel: Numerical simulations of near-surface magnetoconvection	Laurent Gizon: Introduction to the partner group program.
09:30	Sarbani Basu: Helio- and asteroseismology: A retrospective and a look forward		Warrick Ball: Asteroseismic Inference of Stellar Structure		Shravan Hanasoge: Helioseismic Constraints on convective velocity amplitudes
10:00		Douglas Gough: Is the Universal Red-Giant Oscillation Pattern Universal?	Kuldeep Verma: Asteroseismic Inference of Convection-zone Depth	Arnab Rai Choudhury: Discerning between competing dynamo models	Tom Duvall: Improving seismic measurements of convective flows
10:30	Jesper Schou: Helioseismology with SDO	Don Kurtz: New asteroseismic discoveries in upper main sequence stars	Michael Bazot: Fitting stellar models	Paul Rajaguru: Helioseismic Inference of Meridional Circulation	Damien Fournier: Computational helioseismology
11:00	Coffee	Coffee	Coffee	Coffee	Coffee
11:30	Mark Miesch: The Convection Conundrum and Multi-Celled Meridional Circulation	Gizon: Oblateness of a slowly rotating star from asteroseismology	Jan Langfeller: Dynamics of solar supergranulation	Dibyendu Nandi: How can Helioseismic Constraints on Flux Transport Processes Improve Solar Cycle Predictions?	Jishnu Bhattacharya: Strategies in Helioseismic Inverse theory
12:00	Henk Spruit: Theories of convection	Othman Benomar: Measuring rotation with asteroseismology	Atefeh Barekat: Solar rotation near the surface	Paul Cally: New Methods to Image Sunspots	Aaron Birch: Surface and subsurface flows before and during active region emergence
12:30	Lunch	Lunch	Lunch	Lunch	<b>John Leibacher: Closing remarks</b>
12:45					
13:00					
13:30					Lunch
14:00	Siraj Hasan: Solar Observatories in India	Ian Roxburgh: Surface-Independent stellar-model fitting	Hannah Schunker: asteroseismic constraints on rotation of sun-like stars	<b>AFTERNOON OFF</b>	
14:30	<b>Poster Presentation</b>	Shashikumar Chitre: Reminiscences on Indian Solar Astronomy	Reinhold: constraints on stellar differential rotation from starspots		
15:00		<b>Poster Presentation</b>	<b>Poster Presentation</b>		
15:30					
16:00		<b>Douglas Gough, Homi Bhabha lecture: How old is the Sun?</b>	<b>Juri Toomre, Institute Colloquium: Probing Convection and Dynamo Action Deep within Stars</b>	<b>TOUR</b>	
16:30					
17:00					
17:30					
18:00					
18:30					
19:00					
19:30			<b>Banquet</b>		