Conference Programme

Sunday - August 30, 2015

17:00 – 20:00 Lobby		Registration
18:30	Lobby	City Tour
19:30	Lobby	Self-paid dinner in a nearby restaurant

Monday - August 31, 2015

08:00	Foyer	Registration (whole week)
08:30	Lobby	Welcome Coffee

9:30 - 12:20 Room "Colmar"

Splinter I: Comparing and Validating Meridional Flow Derivations in the Solar

Convection Zone

09:25-12:30 Conference Room "Basel"

Splinter II: Waves inside Stars: Theory, Simulations, Observational Signatures, and Lab

Chair: Frank Hill

Experiments

10:30 - 11:00 Coffee Break & Posters

12:30 - 14:00 Lunch at Restaurant La Rotonde

Session I: Solar and Stellar Observations Conference Room "Basel"

14:00	Markus Roth Welcome
14:10	Lucia Kleint Invited Talk: An Overview of Polarimetry
14:40	Roman Brajsa Modeling Radiation from the Solar Atmosphere in the sub-mm, mm and cm Wavelength Range
15:00	Christopher J. Nelson On The Relationship Between Ellerman Bombs and Other Solar Processes

15:20	Jan Langfellner Anisotropy of the solar network magnetic field around the average supergranule
15:40 – 16:10	Coffee Break & Posters
16:10	Manfred Schüssler The cause of the weak solar cycle 24
16:30	Rob Rutten A new view of the Halpha chromosphere
16:50	Sanjay Gosain Full Stokes Polarimeter for Chromospheric Measurements with SOLIS/VSM
17:10	Junwei Zhao Establishing Connections between Photospheric Waves and Coronal Waves in Active Regions
17:30	Sanjay Gosain A Proposal for Next Generation Synoptic Solar Instrumentation
17:50	Frank Hill GONG Status

Tuesday - September 1, 2015

08:30 Lobby Welcome Coffee

Session II: Solar and Stellar Modelling Conference Room "Basel"

09:00	Matt Browning Invited Talk: Global Simulations of solar and stellar dynamos: cycles, theories, and limits	
09:30	Manfred Schüssler The Babcock-Leighton solar dynamo	
09:50	Jacobo Varela Differential Rotation and Dynamo Action in Solar-like Stars	
10:10	Zarzalt Magic Inivted Talk: 3D MHD Stellar Atmosphere Simulations	
10:40 – 11:10 Coffee Break & Posters		
11:10	Laurene Jouve Invited Talk: Models and data combined to progress towards a better understanding of the magnetism of solar-type stars	
11:40	Volkmar Holzwarth Joint magnetospheres of close "solar-twin" binary systems	

Chair: Rudi Komm

12:00	Aditi Sood Dynamical model for spindown of solar-type stars
12:20	Conference Photo
12:30 – 14:00	Lunch at Restaurant La Rotonde
Session III: S	Solar and Stellar Seismology Chair: John Leibacher
	Room "Basel"
14:00	Ariane Schad Invited Talk: Global helioseismic measurement of meridional circulation and differential rotation from mode eigenfunction perturbations
14:30	S.P. Rajaguru Deep structure of solar meridional circulation: helioseismic inferences from four years of HMI/SDO observations
14:50	Ruizhu Chen Measurement of deep solar meridional flow and its temporal variation
15:10	Dean-Yi Chou Solar-Cycle Variations of Meridional Flows and Magnetic Signature at the Base of Convection Zone
15:30	Rosaria Simoniello Helioseismic Signatures of the Progression of Solar Cycle: A Reflection of a Dynamo Wave
15:50 – 16:20	Coffee Break & Posters
16:20	Charles S. Baldner Variations in Large-scale Flow Structures in the Current Solar Cycle
16:40	Rudolf Komm Large-scale subsurface flows during Solar Cycle 23 and 24
17:00	Anne-Marie Broomhall Statistical searches for low signal-to-noise oscillations
17:20	Kaori Nagashima Measurement of the amplitude of the solar cross-covariance function
17:40	Vincent Böning Validating Spherical Born Kernels for Meridional Flows

Björn Löptien Data Compression for Helioseismology

18:00

08:30 Lobby Welcome Coffee

Session III: Solar and Stellar Seismology (continued) Chair: Rekha Jain Conference Room "Basel"

09:00	Damien Przybylski Signatures of mode conversion in a sunspot simulation
09:20	Khalil Daiffallah Helioseismology of sunspot models
09:40	Rudolf Komm Subsurface helicity of active regions 12192 and 10486
10:00	Johannes Löhner-Böttcher Magnetic field reconstruction based on sunspot oscillations
10:20 – 10:50	Coffee Break & Posters
10:50	Ângela Santos Contribution from sunspots to the observed frequency shifts
11:10	Kiran Jain Response of Solar Oscillations to The Magnetic Activity: Comparison between Solar Cycles 23 and 24
11:30	Jesper Schou What to do Next in Global Mode Seismology?
11:50 Foyer	Packed Lunch

Excursion to Europa-Park Rust & Conference Dinner

12:45	Buses leave to Rust
13:30	Entry into Europa-Park Rust via the entrance of the Hotel El Andaluz
20:00 – 23:00	Conference Dinner at Hotel Santa Isabella, Room: Convento
23:00	Buses return to Freiburg

08:30 Lobby Welcome Coffee

Session III: Solar and Stellar Seismology (continued)	Chair: Conny Aerts
Conference Room "Basel"	

09:00	Sarbani Basu Invited Talk: Seismic inferences of solar and stellar structure
09:30	George Angelou On the Utility of Diagrams of Small Frequency vs Large Frequency Separation
09:50	Elisabeth Guggenberger Towards an improvement of the scaling relations
10:10	Mutlu Yildiz Effects of the HeII ionization zones on oscillation frequencies and their promises
10:30 – 11:00	Coffee Break & Posters
11:00	Maria Bergemann Invited Talk: Chemical abundances of the Sun and solar-like stars
11:30	Vincent Ballenegger Thermodynamic properties of hydrogen and hydrogen-helium mixtures under solar conditions
11:50	Antonio Ferriz-Mas Chandrasekhar's 'adiabatic exponents' and other material coefficients for stellar interiors
12:10	Ehsan Moravveji Tight asteroseismic constraints on core overshooting and diffusive mixing for massive stars
12:30	Gaël Buldgen Constraining mixing processes in 16CygA and 16CygB using Kepler data and seismic inversion

Session IV: In Memory of Jean-Paul Zahn Conference Room "Basel"

12:50 – 14:15 Lunch at Restaurant La Rotonde

14:15	Stephane Mathis / Ian Roxburgh Invited Talk: A Tribute to Jean-Paul Zahn
14:45	Sebastien Deheuvels Invited Talk: What asteroseismology is teaching us about the internal rotation of stars
15:15	Santiago Andres Triana The internal rotation of stars as revealed by asteroseismic inversions

Chair: Eric Michel

15:35 – 16:15 Coffee Break & Posters

16:15	Vincent Prat Ray dynamics of gravito-inertial modes in rapidly rotating stars
16:35	Paul G. Beck Seismic analysis of red giant stars in binary systems – the heartbeat of red giants
16:55	Wiebke Herzberg The effect of large scale flows on the eigenfrequencies of subgiant stars
17:15	Guy Davis Invited Talk: Sounding solar and stellar activity cycles using asteroseismology

Friday - September 4, 2015

08:30 Lobby Welcome Coffee

Session V: Solar and Stellar Activity	Chair: Guy Dav
Conforance Boom "Basel"	

	olar and Stellar Activity Room "Basel"	Chair: Guy Davis
09:00	Thomas Ayres Invited Talk: The Ups and Downs of Stellar Activity	<i>I</i>
09:30	Svetlana Berdyugina Invited Talk: Overview on sunspots and starspots	
10:00	Lousie Harra Invited Talk: Review of solar flares	
10:30 – 11:00 Coffee Break & Posters		
11:00	Ralph Neuhäuser Strong variations of 14-C around AD 775 and AD 7	1795 - due to solar activity
11:20	Manfred Kitze Superflares on solar analogue stars	
11:40	Rekha Jain Oscillations in a solar coronal arcade near a flare-s	site
12:00	Alina Donea Invited Talk: Seismicity induced by solar and stella	ır flares: comparison
12:30	Frederic Baudin Flares and solar p-modes	
12:50	Goodbye	
13:00 – 14:00 Lunch at Restaurant La Rotonde		

14:00 Conference Room "Basel" left

Open-access tools for local helioseismology provided by SpaceInn Splinter III:

14:00 Conference Room "Basel" right

Splinter IV: Meridional flow, α effect, single vs multiple dynamo: addressing open issues in

solar/stellar dynamo with p-mode parameters

15:30 – 16:00 Coffee Break

17:00 End