

Conference Schedule

Sunday - August 30, 2015

- 17:00 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 Room "Colmar"
- Splinter I: *Comparing & Validating Meridional Flow Derivations in the Solar Convection Zone*
- 09:25 Conference Room "Basel"
- Splinter II: *Waves inside Stars: Theory, Simulations, Observational Signatures, & Lab Experiments*
- 10:30 Coffee Break & Posters
- 12:30 Lunch at Restaurant La Rotonde

Session I: Solar and Stellar Observations

- 14:00 Markus Roth - Welcome
- 14:10 Lucia Kleint *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 Manfred Schüssler *The cause of the weak solar cycle 24*
- 16:00 Coffee Break & Posters
- 16:30 Ralph Neuhauser *Strong variations of 14-C around AD 775 and AD 1795 - due to solar activity*
- 16:50 Rob Rutten *A new view of the H α chromosphere*
- 17:10 Sanjay Gosain *Full Stokes Polarimeter for hromospheric Measurements with SOLIS/VSM*
- 17:30 Junwei Zhao *Establishing Connections between Photospheric Waves and Coronal Waves in Active Regions*
- 17:50 Sanjay Gosain *A Proposal for Next Generation*

- Synoptic Solar Instrumentation*
- 18:10 Frank Hill *GONG Status*

Tuesday - September 1, 2015

- 08:30 Lobby Welcome Coffee

Session II: Solar and Stellar Modelling

- 09:00 Matt Browning *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 Zorzalt Magic *3D MHD Stellar Atmosphere Simulations*
- 10:40 Coffee Break & Posters
- 11:10 Laurene Jouve *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*
- 12:00 Aditi Sood *Dynamical model for spindown of solar-type stars*
- 12:20 Conference Photo
- 12:30 Lunch at Restaurant La Rotonde

Session III: Solar and Stellar Seismology

- 14:00 Ariane Schad *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 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*
- 18:00 Björn Löptien *Data Compression for Helioseismology*

Wednesday - September 2, 2015

- 08:30 Lobby Welcome Coffee
- 09:00 Damien Przybylski *Signatures of mode conversion in a sunspot simulation*
- 09:20 Khalil Daifallah *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 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 Packed Lunch

12:45 Excursion to Europa-Park

20:00 Conference Dinner in the Hotel Santa Isabella, Room: Convento

Thursday - September 3, 2015

- 08:30 Lobby Welcome Coffee
- 09:00 Sarbani Basu *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 Hell ionization zones on oscillation frequencies and their promises*
- 10:30 Coffee Break & Posters

11:00 Maria Bergemann *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*
 12:50 Lunch at Restaurant La Rotonde

Session IV: In Memory of Jean-Paul Zahn

14:15 Stephane Mathis / Ian Roxburgh *A Tribute to Jean-Paul Zahn*
 14:45 Sebastien Deheuvels *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*
 15:35 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 *Sounding solar and stellar activity cycles using asteroseismology*

Friday - September 4, 2015

08:30 Lobby Welcome Coffee

Session V: Solar and Stellar Activity

09:00 Thomas Ayres *The Ups and Downs of Stellar Activity*
 09:30 Svetlana Berdyugina *Overview on sunspots and starspots*
 10:00 Lousie Harra *Review of solar flares*
 10:30 Coffee Break & Posters
 11:00 Manfred Kitzé *Superflares on solar analogue stars*
 11:20 Rekha Jain *Oscillations in a solar coronal*

arcade near a flare-site
 11:40 Alina Donea *Seismicity induced by solar and stellar flares: comparison*
 12:10 Frederic Baudin *Flares and solar p-modes*
 12:30 Goodbye
 12:30 Lunch at Restaurant La Rotonde
 14:00 Conference Room "Basel" left
 Splinter III: *Open-access tools for local helioseismology provided by SpaceInn*
 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 Coffee Break
 17:00 End

Conference Venue:

Hotel Novotel am Konzerthaus
 Konrad Adenauer Platz 2, 79098 Freiburg
 Phone: +49 761 38890

Emergency phone (police, fire, first aid): 112
 Taxi cab phone: +49 761 55 55 55

Online Information:

<http://www.iac.es/congreso/solarnet-3meeting/>
 Twitter: #cid_solarnet3_2015
 ScienceMedia Conference ID (CID): solarnet3.2015

Some useful German phrases:

Hello / Goodbye / Excuse me – *Hallo / Tschüss / Entschuldigung*
 Thank you / You're welcome – *Danke / Bitte*
 How much does that cost? – *Wieviel kostet das?*
 Where is the restroom / taxi stop? – *Wo ist die Toilette / der Taxi Stand?*
 I want to pay the bill, please – *Ich möchte bezahlen, bitte.*
 A cup of tea / a glass of water – *Eine Tasse Tee / ein Glas Wasser*
 I would like a beer / coffee – *Ich hätte gerne ein Bier / einen Kaffee*
 Is there something vegetarian? – *Gibt es etwas Vegetarisches?*



Conference Programme