

ISSI Team 446. Linking solar and stellar variabilities

Meeting 1, 11-15 February 2019

Monday, 11 February

- 10:00 - 10:15 Maurizio Falanga *Introduction to ISSI*
- 10:15 - 10:45 Alexander Shapiro *Introduction: What do we want to achieve?*
- 10:45 - 11:00 All *Questions, Suggestions + break*
- 11:00 - 12:00 Greg Kopp *How Variable Is the 'Solar Constant'?*
- 12:00 - 13:30 Lunch & Chat
- 13:30 - 14:30 Sami Solanki *The origin of solar and stellar brightness variability*
- 14:30 - 15:30 Gibor Basri *Broadband Precision Stellar Light Curves: (how they inform and fool us about starspots)*
- 15:30 - 16:00 Break
- 16:00 - 17:00 Timo Reinhold *Dearth of intermediate Kepler rotation periods + Solar vs. stellar photometric variability*
- 17:00 - *Summary of the day, Discussion*

Tuesday, 12 February

- 09:00 - 10:00 Ricky Egeland *Rotation, Activity, and Long-term Variability in Sun-like Stars*
- 10:00 - 11:00 Benjamin Montet *Long Term Photometric Variability from Kepler*
- 11:00 - 11:30 Break
- 11:30 - 12:30 Natalie Krivova *Modelling solar brightness variations*
- 12:30 - 14:00 Lunch & Chat
- 14:00 - 15:00 Alexander Shapiro *Modelling stellar brightness variations*
- 15:00 - 16:00 Veronika Witzke *Effect of metallicity on stellar brightness variability on different time-scales*
- 16:00 - 16:30 Break
- 16:30 - 17:00 Thierry Dudok de Wit *Getting rotational periods from stellar photometric records*
- 17:00 - *Summary of the day, Discussion*

Wednesday, 13 February

09:00 - 10:00 Steve Saar *Improving R'HK: Why We Need To and What Might It Tell Us*

10:00 - 11:00 Vardan Adibekyan *Spectroscopic properties of sun-like stars with and without planets*

11:00 - 11:30 Break

11:30 - 12:30 Pedro Figueira *Relations between stellar activity and presence of planets*

12:30 - 14:00 Lunch & Chat

14:00 - 15:00 Mahmoud Oshagh *Rossiter-McLaughlin effect + simultaneous of the K2 and HARPS observation*

15:00 - 16:00 Yvonne Unruh *Modelling stellar activity and its effects on planet detection (TBC)*

16:00 - 17:00 Emre Isik *Modelling magnetic flux emergence, surface transport, and variability in Sun-like stars*

17:00 - *Summary of the day, Discussion*

Thursday, 14 February

09:00 - 10:30 General Discussion, splitting into mini-groups

10:30 - 11:00 Break

11:00 - 12:30 Working in mini-groups

12:30 - 14:00 Lunch & Chat

14:00 - 18:00 Working in mini-groups

Friday, 15 February

09:00 - 10:00 Working in mini-groups

10:00 - 11:00 Reports from the mini-group speakers

11:00 - 11:30 Break

11:30 - 13:30 Discussion, Summary, Plans