Stellar Brightness Variations: Building on the Solar Knowledge - Program

Session 1: Observing Solar and Stellar Variability

14:00 – 14:20	**Gibor Basri (invited)** 'Morphology of stellar light curves'
14:20 – 14:30	**Peter Foukal** ' The Suns Unusual Luminosity Variation and Possible Implications for the Vaughan Preston Gap'
14:30 – 14:40	**Timo Reinhold** 'Transition from spot to faculae domination - An alternate explanation for the dearth of intermediate Kepler rotation periods'
14:40 – 15:00	**Benjamin Montet (invited)** 'Magnetic Cycles of Sunlike Stars'
15:00 –15:10	**Martin Nielsen** 'Activity and Rotation in the Kepler Field'

Session 2: Understanding Stellar Variability: from the Sun to other Stars

15:10 – 15:30	**Nadège Meunier (invited)** Simulation of photometric time series: from the Sun to the stars
15:30 – 16:00	Break
16:00 – 16:10	**Emre Isik** Activity variation driven by flux emergence and transport on Sun-like stars
16:10 – 16:20	**Ricky Egeland** 'The Rarity of Sun-like Activity Cycles and their Dependence on the Rossby Number'
16:20 – 16:30	**N.M. Kostogryz** 'Stellar limb darkening and polarization: Application to stellar spots and transiting exoplanets'
16:30 – 16:40	**Savita Mathur** 'Effect of magnetic activity on the detection of acoustic modes in solar-like stars'

Session 3: Stellar Variability as a Limiting Factor for Detectability of Extra-Solar Planets

16:40 – 17:00	**Joe LLama (invited)** 'Exoplanet Detection: Know Your Star, Know Your Planet'
17:00 – 17:10	**Xavier Dumusque** 'Boosting or mitigating the activity signal in radial-velocity measurements'
17:10 – 17:20	**Timothy Milbourne** 'The Sun as a Model for Stellar Activity'
17:20 – 17:30	**Ruth Angus** 'The ages of exoplanet hosts '