Scientific Programme of the Cool Stars 19 Splinter Session on "Variability of Solar/Stellar Magnetic Activity"

Main organisers: D. Fabbian[1] and R. Simoniello[2]; **Co-conveners**: R. Collet[3], S. Criscuoli[4], H. Korhonen[5], N. Krivova[1], K. Oláh[6], A. I. Shapiro[1], A. Vidotto[7], N. Vitas[8]

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SESSION 1 (TUESDAY 07 JUNE 2016): MAGNETIC VARIABILITY AS A KEY TO THE SOLAR/STELLAR CONNECTION

14:30 - 15:45 Session 1.1: Solar/Stellar Variability: Observational Properties and Theory (Chairs: Criscuoli, S. & Fabbian, D.)

Welcome Address / Preamble (Fabbian, D. & Simoniello, R.)

Time	Length	Name	Affiliation	Title
14:30	20	Solanki, S. K.	MPS, Germany	Variability of the Sun and Sun-like Stars on Different Time Scales
14:50	20	Giampapa, M.	NSO, US	Photometric Variability in the Sun and Sun-like Stars
15:10	12	García, R. A.	IRFU/SAp, France	Probing Stellar Magnetism with Space Photometry of Solar Analogs
15:22	12	Marvin, C.	University of Göttingen, Germany	Measurements of Absolute Calcium II H&K in FGKM Stars
15:34	12	Haywood, R.	CfA, US	Radial-Velocity Variability of the Sun as a Star with HARPS and HARPS-N

15:45 - 16:15 Coffee Break

16:15 - 17:30 Session 1.2: Stellar Magnetism and its Impact on the Surrounding Environment (Chairs: Vidotto, A. & Korhonen, H.)

Time	Length	Name	Affiliation	Title
16:15	20	Marsden, S.	USQ, Australia	Magnetic Fields on Solar-Type Stars: The Solar-Stellar Connection
16:35	20	Aigrain, S.	University of Oxford, UK	The Effects of Stellar Activity on Detecting and Characterizing Planets
16:55	12	Alvarado-Gómez, J. D.	ESO, Germany	Simulating the Environment Around Planet-Hosting Stars
17:07	12	Llama, J.	University of St Andrews, UK	The Impact of Stellar Activity on High Energy Exoplanet Transits
17:19	12	Jardine, M.	University of St Andrews, UK	Predicting the Wind Speeds of Solar-Like Stars

SESSION 2 (THURSDAY 09 JUNE 2016): ACTIVITY AND VARIABILITY THROUGHOUT STELLAR EVOLUTION

14:30 - 15:45 Session 2.1: Age/Rotation/Activity Relation from Stellar Surveys and Theory (Chairs: Korhonen, H. & Criscuoli, S.)

Announcements / Session 1 Highlights (Simoniello, R. & Fabbian, D.)

Time	Length	Name	Affiliation	Title
14:30	20	Basri, G.	UC Berkeley, US	Age-Rotation-Activity Relations: Observations and Theory
14:50	12	Booth, R.	Queen's University Belfast, UK	An Improved Stellar Age-Activity Relationship for Ages Beyond a Gigayear
15:02	12	Lehtinen, J.	University of Helsinki, Finland	Rotation and Spot Activity of Young Solar-Type Stars
15:14	12	See, V.	University of St Andrews, UK	What Can We Learn About Stellar Activity Cycles from ZDI?
15:26	12	Barnes, J. R.	Open University, UK	Photospheric Acne at the Bottom of the Main Sequence

15:45 - 16:15 Coffee Break

16:15 - 17:00 Session 2.2: Constraining Solar/Stellar Dynamo Theory (Chairs: Collet, R. & Simoniello, R.)

Time	Length	Name	Affiliation	Title
16:15	20	Jouve, L.	Université de Toulouse, France	Numerical Simulation of Solar/Stellar Dynamos
16:35	12	Metcalfe, T.	SSI, US	The Stellar Context for Solar Magnetism
16:47	12	Augustson, K.	IRFU/SAp, France	Magnetic Furnaces: Examining Fully Convective Dynamos and the Influence of Rotation

17:00 - 17:30 Final Discussion Session for Afternoons 1 & 2: Peculiarities and Common Features of Magnetism and Activity in the Sun and in Solar-Like Stars (Chairs: Vidotto, A. & Collet, R.)