

# Programme of the 3<sup>rd</sup> Swiss SCOSTEP Meeting

6-7 March, 2019

PMOD/WRC, Dorfstrasse 33, Davos Dorf

Conference room, 3<sup>rd</sup> floor

<http://projects.pmodwrc.ch/scostep/>

<b>Wednesday, March 6</b>		
9:30-11:00		<i>Registration / Coffee</i>
11:00-11:10	M. Battaglia	Welcome from commission
11:10-11:20	M. Haberreiter	LOC info
11:20-12:10	S. Solanki	<b>Keynote Talk 1:</b> The Polarimetric and Helioseismic Imager on Solar Orbiter
<b>Session 1: Fundamental solar physics</b> (chair: M. Haberreiter)		
12:10-12:30	E. Capozzi	High-precision spectropolarimetric investigations to study the magnetic field in the granulation
12:30-12:50	E. Alsina Ballester	The magnetic sensitivity of the scattering polarization signal in the wings of the Ca I resonance line at 422.7 nm
12:50-14:00		<i>On-site Lunch</i>
14:00-14:20	B. Panos	Machine learning and solar flares
14:20-14:40	M. Battaglia	Radio observations of accelerated electrons in solar eruptions
<b>Session 2: Solar variability in the past and future</b> (chair: M. Battaglia)		
14:40-15:00	M. Gabella	The solar radio flux observed by dual-polarization weather radars in Europe: examples of monthly and daily observations at C-band
15:00-15:20	Renzo Ramelli	The digitization of the swiss historical sunspot observations and its relevance for the Sunspot Number data series.
15:20-15:50		<i>Coffee Break</i>
<b>Session 3: Sun-Earth relations in proxies, observations, and model simulations</b> (chair: E. Rozanov)		
15:50-16:10	S. Misios	Solar signatures in the tropics
16:10-16:30	W. Ball	The upper stratospheric solar cycle ozone response
16:30-16:50	T. Sukhodolov	Entire Atmosphere Global model (EAGLE): development and first results
19:00		<i>Cable Car to Schatzalp - Dinner</i>

<b>Thursday, March 7</b>		
9:00-9:50	K. Mursula	<b>Keynote Talk 2:</b> High-speed solar wind streams: Connection to solar magnetic field evolution and effects to the Earth's atmosphere and climate
9:50-10:10	P. Arsenovic	Chemical effects of energetic electron precipitation during Southern Hemisphere winter
10:10-10:30	T. Egorova	Contributions of natural and anthropogenic forcing agents to the early 20th century warming
<b>Session 4: Future (space) missions/observations (chair: R. Ramelli)</b>		
10:30-10:50	M. Bianda	The European Solar Telescope, Swiss participation
<i>10:50-11:10</i>		<i>Coffee Break</i>
11:10-11:30	O. Grimm	The Spectrometer/Telescope for Imaging X-ray (STIX) on Solar Orbiter: flight design, status of spacecraft integration, and operation perspectives
11:30-11:50	E. Lastufka	The Micro Solar-Flare Apparatus: MiSolFA – a Progress Report
11:50-12:10	W. Finsterle	Upcoming TSI mission with DARA
12:10-12:30	S. K. Dhara	Feasibility study of a filter polarimeter dedicated to the measurement of the scattering polarization at the Sr I 4607 Å for DKIST
12:30-12:50	W. Hajdas	LGR ESA mission to the Lagrange point L5 – early warning system for Space Weather events
<i>12:50-13:30</i>		<i>On-site Lunch</i>
13:30-15:00	All	Outlook / Future SCOSTEP Programme (Lead E. Rozanov)
15:00		<i>End of meeting</i>