



# SOLARNET Conference: The Many Scales of the Magnetic Sun

## Wednesday 10 May 2023

### Energy and mass flow through the solar atmosphere – from solar campfires to CME (Observations and Theory)

(09:30-11:10)

-Conveners: Hanna Strecker

time	[id] title	presenter
09:30	[92] Recent Progress in Understanding Solar Flare Magnetism using Data-Driven Simulations and Statistical Analysis of Vector Magnetic Fields	KAZACHENKO, Maria
09:55	[90] The magnetic complexity of solar active regions: insight on the CME-flare relationship in Solar Cycle 24	GIOVANNELLI, Luca
10:10	[28] Evolution of magnetic fields and energy release processes during homologous compact major blowout-eruption solar flares	Dr SAHU, Suraj
10:25	coffee break	

### Energy and mass flow through the solar atmosphere – from solar campfires to CME (Observations and Theory)

(11:10-14:10)

-Conveners: Sowmya Krishnamurthy

time	[id] title	presenter
11:10	[102] Formation and early evolution of coronal mass ejections	Prof. KILPUA, Emilia
11:40	[22] First results on solar flares and eruptive events from the X-ray telescope STIX on Solar Orbiter	WARMUTH, Alexander
11:55	[46] First GREGOR and IRIS simultaneous observations of a solar flare	GARCIA-RIVAS, Marta
12:10	[99] Modelling solar eruptive events from their onset to their propagation at 1 AU	STRUGAREK, Antoine
12:25	[51] Flare-accelerated electrons and the evolution of the associated active region	BRÖSE, Malte
12:40	[10] Do ions and neutral atoms behave differently in solar prominences?	BALTHASAR, Horst
12:55	lunch	

### Energy and mass flow through the solar atmosphere – from solar campfires to CME (Observations and Theory): Session 3B

(14:10-16:20)

-Conveners: Shahin Jafarzadeh

time	[id] title	presenter
14:10	[103] The many scales observed by EUI onboard Solar Orbiter	Dr BERGHMANS, David
14:35	[42] Photospheric and Chromospheric Magnetic Field Evolution during the X1.6 Flare in NOAA 12192	FERRENTE, Fabiana
14:50	[86] On the detection of two X-class solar flares in the Sun-as-a-star with the HARPS solar telescope	PIETROW, Alex
15:05	[34] Comprehensive simulation of a solar prominence with MURaM	ZESSNER, Lisa-Marie

15:20	[65] Multiwavelength observations of small-scale eruptive phenomena in an arch filament system	GUGLIELMINO, Salvo
15:35	[71] Picoflares in the Quiet Solar Corona	PODLADCHIKOVA, Olena
15:50	[96] Chromospheric evaporation by particle beams in multi-dimensional flare models	DRUETT, Malcolm
16:05	[63] Net electric currents, flares, CMEs and the evolution of active regions	KONTOGIANNIS, Ioannis

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**(16:20-19:10)**

**-Conveners: Alex Pietrow**

time	[id] title	presenter
16:20	[118] Poster popups	GUGLIELMINO, Salvo YI, Sibaek BELOV, Sofya RIETHMÜLLER, Tino L. LI, Xiang SUN, Xudong
16:35	Telegraphenberg Tour - Einstein Tower & Great Refractor	
17:35	social event	

# Thursday 11 May 2023

## Energy and mass flow through the solar atmosphere – from solar campfires to CME (Observations and Theory)

(09:00-09:30)

-Conveners: Ivan Milic

time	[id] title	presenter
09:00	[79] Comparative Study of Power Distribution in Flaring and Non-flaring Active Regions with SDO/AIA.	Dr WISNIEWSKA, Aneta
09:15	[33] Formation of MgII h&k spectra in an enhanced network region simulated with MURaM	ONDRATSCHEK, Patrick