

There are no translations available.

[Monday, 20 September](#)

[Tuesday, 21 September](#)

[Wednesday, 22 September](#)

[Thursday, 23 September](#)

[Friday, 24 September](#)

[Abstract book \(pdf\)](#)

Note: All poster presentations are linked in pdf format to abstract titles.

Monday, 20 September 2021

Opening session, chair: M. Dumbović

15:00 - 15:05

Opening words

15:05 - 16:05

Keynote talk: E. Cliver

[Extreme solar and solar-terrestrial events](#)

16:05 - 16:15

coffee break

Session 1, chair: N. Goplaswamy

16:15 - 16:30

B. B. Karak

[Lo](#)

[ng-Term Evolution of the Sun's magnetic field during Cycles 15-19 based on their proxies from Kodaikanal Solar Observatory](#)

16:30 - 16:45

S. Jain

[Prediction of 11-year solar cycle strength](#)

[with Hemispheric Sunspot Numbers](#)

16:45 - 17:00

T. Podladchikova

[Medium-term predictions of F10.7 and](#)

[F30 cm solar radio flux with the adaptive Kalman filter](#)

17:00 - 17:15

J. Murakozy

Internal dynamics of sunspot groups during their d

Short poster presentations

17:15 - 17:20

V. Zharkova

[Joint actions on Earth of the current](#)

[grand solar minimum and solar inertial motion](#)

17:20 - 17:25

D. Knipp

[Great Auroral Storms of the Last 500](#)

[Years](#)

17:25 - 17:30

A. Elek

On the long-term evolution of solar faculae

17:30 - 17:35

J. Koza

[IRIS's view of solar cycle 24: variability of](#)

[Mg II h and k lines](#)

17:35 - 17:40

I. Poljančić Beljan

[Solar Cycle Phase Related Changes of](#)

[the differential Rotation Parameters](#)

17:40 - 17:45

B. Belucz

Implications of intermittent high-latitude reverse m

17:45 - 17:50

T. Chen

Understanding stellar flares by observing the high-

17:50 - 17:55

T. Kaltman

[Catalogue of hot solar jets and prospects](#)

[for its development](#)

17:55 - 18:00

B. Heber

[Observations of energetic particles over 2 solar cycles from the Electron Proton Helium Instrument aboard the Solar and Heliospheric Observatory](#)

Social event, chair: J. Čalogović

18:00 - 19:00

Icebreaker in Gather Town

Tuesday, 21 September 2021

Session 2, chair: A. Veronig

14:30 - 14:55

Invited talk: N. Magyar

Generation and propagation of switchbacks in the

14:55 - 15:05

coffee break

Session 2, chair: A. Veronig

15:05 - 15:30

invited talk: C. Fischer

[High-res](#)

[olution observations of the magnetic quiet Sun](#)

15:30 - 15:45

A. Chian

[Lagrangian coherent structures in the](#)

[supergranular turbulence](#)

15:45 - 16:00

M. Benko

[Dynamic and magnetism of selected](#)

[phenomena in the atmosphere of the Sun](#)

16:00 - 16:15

I. Skokić

[Measuring differential rotation from](#)

[single-dish ALMA images of the Sun](#)

16:15 - 16:30

B. Schmieder

[Empirical atmosphere model in a mini](#)

[flare during magnetic reconnection](#)

16:30 - 16:45

coffee break

Session 2, chair: B. Vršnak

16:45 - 17:00

M. Cecere

Numerical study of

17:00 - 17:15

S. J. G. Manrique

[Observational Detection of Drift Velocity between Ionized and Neutral Species in Solar Prominences](#)

17:15 - 17:30

A. Bemporad

[Combining White Light and UV](#)

[Lyman-alpha Coronagraphic Images to determine the Solar Wind Speed: the Quick Inversion Method](#)

Short poster presentations

17:30 - 17:35

A. Soosaleon

[Multi-Photon Ionisation in Coronal](#)

[Plasma](#)

17:35 - 17:40

A. Soosaleon

[Multi-Photon Ionisation of Coronal](#)

[Elements](#)

17:40 - 17:45

A. Rajhans

Flows in 0D simulations of coronal loops

17:45 - 17:50

P. K. Kayshap

[Shocks in the chromosphere and](#)

[transition-region above sunspot umbra](#)

17:50 - 17:55	R. Joshi	Recurring solar jets from a bipolar active region
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Social event, chair: S. Heinemann

18:00 - 19:00	Meet the senior scientists
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Wednesday, 22 September 2021

Session 3, chair: I. Ballai

15:00 - 15:25	Invited talk: J. Dudik	Three-dimensional magnetic reconnection in eruptive solar flares
15:25 - 15:40	M. Gupta	Magnetic helicity and energy budget around large confined and eruptive flares
15:40 - 15:55	P. Zhang	Simulation study of the wave-propagation effect of solar radio bursts
15:55 - 16:10	D. Baker	Evolution of Plasma Composition in an Eruptive Flux Rope
16:10 - 16:25	A. Sahade	Polarity relevance in flux rope deflections triggered
16:25 - 16:40	coffee break	

Session 3, chair: I. Ballai	16:40 - 17:05	Invited talk by K. Dissaué Coronal dimmings as early diagnostics of solar eruptions
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17:05 - 17:20	A. Veronig	Coronal dimmings as a diagnostics for solar and stellar CMEs
17:20 - 17:35	N. Gopalswamy	The Importance of Latitudinal Connectivity in GLE Events Revealed by Fermi Large Area Telescope Observations

Short poster presentations

17:35 - 17:40	A. S. H. To	The Evolution of Plasma Composition During a Solar Flare
17:40 - 17:45	S. Soos	On the differences in the periodic behaviour of magnetic helicity flux in flaring active
17:45 - 17:50	J. Saqri	Multi-instrument STIX microflare study
17:50 - 17:55	A. Szaforz	Quasi-periodic pulsations visible in the STIX light curves
17:55 - 18:00	D. Burud	Study of solar activities on spotless days during de

Social event

18:00 - 19:00	Free open discussion over beer
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Thursday, 23 September 2021

Session 3, chair: A. Veronig

15:00 - 15:25

Invited talk: N. Al Haddad [Inferring the Shape of CMEs from Non-Radial D](#)

15:25 - 15:40

M. Temmer

[iSWAT H1+2 Clusters: CME Propagation](#)

[Through Ambient Solar Wind](#)

15:40 - 15:55

R. Erdelyi

The Solar Activity Monitor Network - SAMNet

Short poster presentations

15:55 - 16:00

V. Prakash

[Halo CMEs, active region and flare](#)

[ribbon properties](#)

16:00 - 16:05

P. Devi

[Eruption of quite circular solar filament](#)

16:05 - 16:10

V. Kiselev

[Relationships between the Spectra of](#)

[near-Earth Proton Enhancements, Hard X-Ray Bursts, and CME Speeds](#)

16:10 - 16:15

T. Kaltman

[Influence of the dynamics of the](#)

[Langmuir wave turbulence spectrum on the observed](#)

16:15 - 16:20

S. Samwel

[In Situ Solar Energetic Electron Events](#)

[and Their Related Radio Burst Signatures](#)

16:20 - 16:35

coffee break

Session 4, chair: D. Utz

16:35 - 17:00

Invited talk by S. Hofmeister [How the](#)

[solar wind from coronal holes shapes interplanetary space](#)

17:00 - 17:15

P. Geyer

Expansion of Stream Interaction Regions between

17:15 - 17:30

Y. Yermolaev

The fall of the solar wind parameters below the "flo

Short poster presentations

17:30 - 17:35

S. G. Heinemann

[On how to estimate the far-side open flux](#)

[using STEREO coronal holes](#)

17:35 - 17:40

D. Milošić

[Improving the Empirical Solar Wind](#)

[Forecast \(ESWF\) model](#)

17:40 - 17:45

M. Dumbović

[Generic profile of a long-lived CIR and](#)

[CME-CIR interactions](#)

17:45 - 17:50

F. Koller

[Production of magnetosheath jets during](#)

[SIRs and CMEs](#)

17:50 - 17:55

P. Erdemir

[Investigation of CME and HSS driven](#)

[Joule heating during high geomagnetic activity](#)

17:55 - 18:00

G. Gonzalez

[Ionospheric irregularities during CME](#)

[and CIR-driven geomagnetic storms over the Argentinian EIA region](#)

Social event

18:00 - 19:00

Free open discussion over beer

Friday, 24 September 2021

Session 4, chair: M. Dumbović

15:00 - 15:25	Invited talk: E. Kilpua	Forecasting the Magnetic Structure of Earth-Imp
15:25 - 15:40	W. Mishra	Radial sizes and expansion behavior of ICMEs in s
15:40 - 15:55	D. Maričić	Isolated Earth-Impacting Interplanetary Coronal M
15:55 - 16:10	S. Pal	An approach for forecasting earthbound coronal m
16:10 - 16:25	R. Miteva	SPREAdFAST forecasting model: First results on t
16:25 - 16:35	coffee break	

Session 4, chair: M. Dumbović 16:35 - 16:50 N. Shlyk [The influence of interacting solar wind disturbances on galactic cosmic ray variations](#)

16:50 - 17:05 V. Zharkova [Local acceleration of solar wind particles in current sheets and their diagnostics from modern space observations](#)

17:05 - 17:20 R. Miranda [Intermittency and complexity of magnetic field turbulence within reconnection exhausts in the solar wind at 1 AU](#)

Short poster presentations

17:20 - 17:25	A. Wagner	Novel Benchmarking Scheme for Coronal Magnetic Field Simulations
17:25 - 17:30	T. Žic	The Drag-Based Modeling
17:30 - 18:35	K. Martinić	Influence of the CME orientation on the ICME propagation
17:35 - 17:40	K. Choraghe	The study of late recovery phase of an ICME induced extreme geomagnetic storms
17:40 - 17:45	L. Drescher	Multiple ICME events - effects on the Earth's thermospheric layer and satellite orbits
17:45 - 17:50	A. Kirin	Searching for ForbMod appropriate flux ropes
17:50 - 17:55	J. Chum	On the relation between solar wind, cosmic rays and atmospheric electricity
17:55 - 18:00	S. Mukherjee	Heliosphere-Solar Terrestrial impact on Himalaya,

Closing session, chair: D. Utz

18:00 - 18:05 Closing words