

CESRA 2019: WG1

Acceleration and transport of energetic particles

Monday, July 8, 2019

16:30 – 18:00 WG1 afternoon session

Gelu Nita: *Statistical analysis of evolving flare parameters inferred from spatially-resolved microwave spectra observed with the Expanded Owens Valley Solar Array*

Larisa Kashapova: *Microwave features of behind-the-limb (BLT) solar flares with significant emission in hard X-ray*

Tuesday, July 9, 2019

11:00 – 13:00 WG1 morning session

Susanta Kumar Bisoi: *Tracing of energetic electron beams in solar corona with imaging spectroscopy from MUSER*

Jana Kasparova: *The very beginning of the 2011 Jun 7 flare*

Alexey Kuznetsov: *Simulations of microwave emission of solar and stellar active regions*

16:30 – 18:00 WG1 afternoon session

Eoin Carley: *Loss-cone instability modulation due to a magnetohydrodynamic sausage mode oscillation in the solar corona*

Elena Kupriyanova: *On the origin of non-stationary properties of QPP in radio emission of solar flares*

Discussion

Wednesday, July 10, 2019

11:00 – 13:00 WG1 morning session

Miroslav Barta: *ALMA Solar Script Generator: First step towards automated and robust processing of solar ALMA science data*

Galina Motorina: *Statistical approach to frequency rising sub-terahertz emission from solar flares*

Victoria Smirnova: *Sub-THz radio emission from the 02.04.2017 solar flare*

Thursday, July 11, 2019

11:00 – 13:00 WG1 morning session

Hamish Reid: *Using simulations and LOFAR observations to understand the speed and expansion of escaping solar electron beams*

Viktor Melnikov: *Microwave radiation of a flare loop in the presence of whistler turbulence*

Discussion

16:30 – 18:00 WG1 afternoon session

Khalil Daiffallah: *Plasma acceleration by the non-linear interaction of three crossed parallel Alfvén wave packets*

Alexandr Afanasiev: *Modelling of proton transport in application to solar long-duration gamma-ray events*

Discussion

CESRA 2019: WG2

Solar eruptions, CMEs, and shock waves

Monday, July 8, 2019

16:30 – 18:00 WG2 afternoon session: magnetic fields, shocks

Sergey Anfinogentov: *Coronal magnetography using multiwavelength observations of the Sun by Siberian Radioheliograph*

Nataliia Meshalkina: *Dynamics of microwave sources in eruptive flares on 23 July 2016 observed by the Siberian Radioheliograph, Nobeyama Radioheliograph, and SSRT*

Alexander Warmuth: *Termination shocks in reconnection outflow jets: constraints from radio & EUV observations and numerical simulations*

Tuesday, July 9, 2019

11:00 – 13:00 WG2 morning session: shocks

Gennady Chernov: *Solar radio bursts associated with standing shock waves (termination shocks)*

Suli Ma: *Imaging Solved Solar Radio Burst Associated with Initiation of a CME and a Low Coronal Shock*

Ciara Maguire: *Insights into Coronal Mass Ejection Shocks with the Irish Low Frequency Array (I-LOFAR)*

16:30 – 18:00 WG2 afternoon session: shocks

Nicolina Chrysaphi: *The effect of scattering on split-band Type II solar radio bursts*

Diana Morosan: *Radio Imaging of Signatures of Shock Accelerated Electrons during Coronal Mass Ejections*

Immanuel Christopher Jebaraj: *Complex shock wave signatures associated with CME on September 27/28, 2012*

Wednesday, July 10, 2019

11:00 – 13:00 WG2 morning session

Alexander Stepanov: *A Dynamic Model of Flux Ropes*

Virendra Verma: *Relationship of EIT Waves Phenomena with Coronal Mass Ejections*

Carolina Salas Matamoros: *On the Study of Stationary Type IV Radio Sources*

Thursday, July 11, 2019

11:00 – 13:00 WG2 morning session: type IV bursts, MHD waves

Nicole Vilmer: *Extreme narrow-band radio emission associated with a moderate X-ray flare*

Valentin Melnik: *Interferometer observations of Type III, Type II and Type IV bursts at 20 and 25 MHz on 29 May 2014*

Hana Meszarosova: *Dispersive fast wave trains in magnetically coupled atmosphere above a sunspot and coronal heating problem*

16:30 – 18:00 WG2 afternoon session: interferometry

Christian Vocks: *First LOFAR interferometric observations of a solar X-class flare*

Alexey Kochanov: *Microwave observations with the Siberian Radioheliograph*

Discussion

CESRA 2019: WG3

Turbulent corona, radio wave propagation, and new instruments/capabilities

Monday, July 8, 2019

16:30 – 18:00 WG3 afternoon session: turbulence & propagation

Eduard Kontar: *Radio wave scattering in anisotropic density turbulence of the solar corona*

Mykola Gordovskyy: *Frequency-distance structure of the solar radio sources observed by LOFAR*

Discussion

Tuesday, July 9, 2019

11:00 – 13:00 WG3 morning session: turbulence & propagation

Tim Bastian: *Radio Propagation Diagnostics of the Inner Heliosphere in the Era of the Parker Solar Probe*

Sha Li: *The simulated results of the Interplanetary Scintillation antenna system*

Discussion

16:30 – 18:00 WG3 afternoon session: turbulence & propagation

Caterina Tiburzi: *Pulsars track the Solar wind*

Rajab Ismayilli: *MHD-shear instability in solar wind plasma with anisotropy and heat flux effects*

Alberto Pellizzoni: *Imaging of the Solar Atmosphere in K-Band through Single-Dish Observations*

Discussion

Wednesday, July 10, 2019

11:00 – 13:00 WG3 morning session: new instruments & capabilities

Alexander Nindos: *First high-resolution look at the quiet Sun with ALMA*

Tatiana Kaltman: *Recent results of wide wavelength range observations by radiotelescope RATAN-600*

Discussion

Thursday, July 11, 2019

11:00 – 13:00 WG3 morning session: new instruments & capabilities

Sergey Lesovoi: *Immediate prospects of the Siberian Radio Heliograph*

Mariia Globa: *High dynamic range imaging of the Sun with the Siberian Radioheliograph*

Aoife Maria Ryan: *Imaging the Solar Corona during the 2015 March 20 Eclipse using LOFAR*

Discussion

16:30 – 18:00 WG3 afternoon session: new instruments & capabilities

Rohit Sharma: *Study of Quiet Sun Low Frequency Emission Using MWA*

Discussion and short poster presentations

CESRA 2019: WG4

Radio burst fine structures, solar transients in the heliosphere, and space weather

Monday, July 8, 2019

16:30 – 18:00 WG4 afternoon session: coronal loops

Andrei Afanasev: *Random excitation of decay-less transverse oscillations of coronal loops*

Vladimir Dorovskyy: *Coronal loops diagnostics through the parameters of type U burst with equally developed branches*

Tuesday, July 9, 2019

11:00 – 13:00 WG4 morning session: radio fine structures I

Jan Benáček: *Growth-rates of the electrostatic waves in the double plasma resonance model of solar radio zebra*s

Spyridon Armatas: *Spikes detected in Type II metric Radio bursts*

16:30 – 18:00 WG4 afternoon session: radio fine structures II

Costas Bouratzis: *High resolution observations of Intermediate Drift Bursts with the ARTEMIS-JLS Radio spectrograph and the Nançay Radioheliograph*

Alexey Kuznetsov: *First imaging spectroscopy observations of solar drift pair bursts*

Wednesday, July 10, 2019

11:00 – 13:00 WG4 morning session: radio fine structures III

Baolin Tan: *Solar radio spectral fine structures and diagnostics of non-thermal processes*

Chengming Tan: *Microwave fine structure events during solar Minimum*

Thursday, July 11, 2019

11:00 – 13:00 WG4 morning session: type III bursts

Pearse Murphy: *Interferometric imaging of Type III bursts in the solar corona*

Peijin Zhang: *Forward Modeling of the Type III Radio Burst Exciter*

Jasmina Magdalenic: *Active region jets on August 25, 2011*

16:30 – 18:00 WG4 afternoon session: solar-terrestrial

Mahir Pirguliyev: *Very low frequency oscillations of the differentially rotating Solar Interior and Earth's climate*

Extended discussion session

Map of the Telegrafenberg campus for CESRA 2019



Haus H is the main location for the CESRA 2019 workshop:

Registration desk, plenary sessions, WG2 sessions, coffee breaks / poster sessions. Additionally, the cafeteria we suggest for having lunch is in the same building (upstairs).

The **working group sessions** will be at the following locations:

WG1 (Acceleration & transport): Building A45S, ground floor, room S101

WG2 (eruptions, CMEs, shock waves): Haus H, ground floor, plenary room

WG3 (turbulence, propagation, instruments): Building A45S, 3rd floor, room S301

WG4 (fine structures, heliosphere):

on Monday, Wednesday, Thursday: Building C4, 2nd floor, lecture room

on Tuesday: Haus G, 2nd floor, room G359