

# **CESRA Workshop 2019: The Sun and the Inner Heliosphere**

July 8-12, 2019, Potsdam, Germany

## **Programme Overview**

### **Monday, July 8, 2019**

<b>10:00 - 12:00</b>	Registration
<b>12:00 - 12:20</b>	Opening session
<b>12:20 - 12:30</b>	WG introduction
<b>12:30 - 13:00</b>	Plenary session
12:30 - 13:00	Gottfried Mann: <i>Coronal and Interplanetary Shocks (invited talk)</i>
<b>13:00 - 14:30</b>	Lunch break
<b>14:30 - 16:00</b>	Plenary session
14:30 - 15:00	James Drake: <i>Solar Flare Electron Acceleration: progress and challenges (invited talk)</i>
15:00 - 15:30	Rami Vainio: <i>Simulations of shock acceleration in the corona and inner heliosphere: progress and challenges (invited talk)</i>
15:30 - 16:00	Karl-Ludwig Klein: <i>Solar energetic particle observations and radio emission: progress and challenges (invited talk)</i>
<b>16:00 - 16:30</b>	Coffee break & poster viewing
<b>16:30 - 18:00</b>	WG sessions

### **Tuesday, July 9, 2019**

<b>09:00 - 10:30</b>	Plenary session
09:00 - 09:30	Costas Alissandrakis: <i>Chromospheric diagnostics with ALMA (invited talk)</i>
09:30 - 10:00	Alexander Stepanov: <i>Models for Frequency Rising sub-THz Emission from Solar Flares: Progress and Challenges (invited talk)</i>
10:00 - 10:15	Dale Gary: <i>Dynamic Microwave imaging Spectroscopy with the Expanded Owens Valley Solar Array</i>
10:15 - 10:30	Yihua Yan: <i>MUSER Observations of an M8.7 Flare Event on 2014 December 17</i>

<b>10:30 – 11:00</b>	Coffee break & poster viewing
<b>11:00 – 13:00</b>	WG sessions
<b>13:00 – 14:30</b>	Lunch break
<b>14:30 – 15:15</b>	Plenary session
14:30 – 15:00	Christophe Marque: <i>Impact of solar radio bursts on technologies (invited talk)</i>
15:00 – 15:15	Surajit Mondal: <i>Routine estimation of Coronal Mass Ejection magnetic fields at coronal heights</i>
<b>15:15 – 16:30</b>	Coffee break & poster viewing
<b>16:30 – 18:00</b>	WG sessions
<b>18:00 – 19:00</b>	CESRA business meeting

### **Wednesday, July 10, 2019**

<b>09:00 - 10:30</b>	Plenary session
09:00 – 09:30	Hamish Reid: <i>Simulations and observations of type III bursts: current progress and challenges (invited talk)</i>
09:30 – 10:00	Vratislav Krupar: <i>Type III bursts observations in the heliosphere: progress and challenges (invited talk)</i>
10:00 – 10:30	Prasad Subramanian: <i>Radio-wave propagation and scattering: current progress and challenges (invited talk)</i>
<b>10:30 – 11:00</b>	Coffee break & poster viewing
<b>11:00 – 13:00</b>	WG sessions
<b>13:00 – 14:30</b>	Lunch break
<b>14:30 – 18:00</b>	Excursion/Social
<b>18:00 – 21:30</b>	Boat trip and conference dinner

### **Thursday, July 11, 2019**

<b>09:00 - 10:30</b>	Plenary session
09:00 – 09:30	Nina Dresing: <i>STEREO observations of non-thermal electrons in the heliosphere (invited talk)</i>
09:30 – 10:00	Jörg Büchner: <i>From electron acceleration by reconnection to radio wave generation (invited talk)</i>
10:00 – 10:15	Frederic Effenberger: <i>Linking Solar Flares and Solar Energetic Particles through Observations and Modelling</i>
10:15 – 10:30	Arik Posner: <i>SEP Warnings for the Moon and Mars</i>

<b>10:30 – 11:00</b>	Coffee break & poster viewing
<b>11:00 – 13:00</b>	WG sessions
<b>13:00 – 14:30</b>	Lunch break
<b>14:30 – 15:30</b>	Plenary session
14:30 – 15:00	Stuart Bale: <i>Some first results from the FIELDS instrument suite on Parker Solar Probe (invited talk)</i>
15:00 – 15:15	Milan Maksimovic: <i>Solar Radioastronomy with Solar Orbiter and Parker Solar Probe: capabilities and expectations</i>
15:15 – 15:30	Thejappa Golla: <i>Observations of Spatial Collapse of Langmuir Waves in Solar Type III Bursts</i>
<b>15:30 – 16:30</b>	Coffee break & poster viewing
<b>16:30 – 18:00</b>	WG sessions

### **Friday, July 12, 2019**

<b>09:00 - 10:30</b>	Plenary session: reports from WG1 and WG2
<b>10:30 – 11:00</b>	Coffee break & poster viewing
<b>11:00 – 12:30</b>	Plenary session: reports from WG3 and WG4
<b>12:30 – 13:00</b>	Closing of the meeting
<b>13:00 – 14:30</b>	Lunch break
<b>14:30 – open end</b>	LOFAR business meeting

### **Working Group Topics**

- **WG1:** *Acceleration and transport of energetic particles*  
leaders: Miroslav Barta and Mykola Gordovskyy
- **WG2:** *Solar eruptions, CMEs, and shock waves*  
leaders: Jasmina Magdalenic and Eoin Carley
- **WG3:** *Turbulent corona, radio wave propagation, and new instruments/capabilities*  
leaders: Alexander Nindos and Tim Bastian
- **WG4:** *Radio burst fine structures, solar transients in the heliosphere, and space weather*  
leaders: Alexander Warmuth and Thejappa Golla

## 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