



# WHOLE HELIOSPHERE & Planetary Interactions

## 2021 Whole Heliosphere and Planetary Interactions Workshop

Working Agenda as of 30 August, 2021

(Times listed below are Mountain Daylight/Denver, CO Time)

<https://www.thetimezoneconverter.com/>

### **MONDAY, 13 SEPTEMBER, 2021:**

8:00-1:00 PM Data Collection Day - For more information, please visit:

<https://cpaess.ucar.edu/sites/default/files/meetings/2021/documents/2021-WHPI-Workshop-Data-Collection-Day.pdf>

### **TUESDAY, 14 SEPTEMBER, 2021:**

#### **Session 1** (Chairs: Barbara Thompson and Ian Hewins)

8:00-8:15 AM

- **Introduction and Goals for the Workshop** - Sarah Gibson

8:15-8:30 AM

- **Overview of Working Groups (WGs) from WG Leads** - Carlos Martinis, Heather Elliott, Robert Allen, Mary Hudson, Giuliana de Toma, Liying Qian, Gina DiBraccio, Rachael Filwett

8:30-9:00 AM

- **Scene Setting - WG1: Characterizing the Whole Heliosphere at Solar Minimum** - Pete Riley

9:00-9:30 AM

- **Scene Setting - WG2: Origins and Impacts of High-Speed Solar Wind Streams (HSS)** - Janet Luhmann and Nicolas Wijsen

9:30-9:45 AM

- **Break**

#### **Session 2** (Chairs: Sarah Gibson and Barbara Thompson)

9:45-10:45 AM

- **WHPI Model and Data Assessment Discussion**

**Session 3** (Chairs: Heather Elliott and Carlos Martinis)

10:45-11:45 AM

- **WG1 Focused Topic: Sun-Heliosphere Mosaic**
  - 10:45-10:55 AM: Ian Hewins
  - 10:55-11:05 AM: Rohit Chhiber
  - 11:05-11:15 AM: Diego Lloveras
  - 11:15-11:45 AM: Discussion

11:45-11:55 AM

- **Break**

**Session 4** (Chairs: Robert Allen and Mary Hudson)

11:55-12:55 PM

- **WG2 Focused Topic: HSS - From Coronal Holes through Interplanetary Space**
  - 11:55-12:05 PM: Karin Muglach
  - 12:05-12:15 PM: Steven Heineman
  - 12:15-12:25 PM: Stefan Hofmeister
  - 12:25-12:35 PM: Barbara Emery-Geiger
  - 12:35-12:55 PM: Discussion

12:55-1:00 PM

- **Wrap Up/Closing Remarks**

1:00 - 3:00 PM

- **Icebreaker Activity**

**WEDNESDAY, 15 SEPTEMBER, 2021:**

**Session 5** (Chairs: Fran Bagenal and Nour Raouafi)

8:00-8:15 AM

- **Accessing Virtual Resources** - Barbara Thompson and Ian Hewins

8:15 -8:30 AM

- **Overview of Campaigns** - Giuliana de Toma

8:30-9:00 AM

- **Scene Setting - WG3: Comparative Solar Minima** - David Hathaway and Janet Kozyra

9:00-9:30 AM

- **Scene Setting - WG4: Solar Activity throughout the Heliosphere** - Christina Lee

9:30-9:45 AM

- **Break**

**Session 6** (Chairs: Robert Allen and Ryan McGranaghan)

9:45-10:45 AM

- **WHPI Model and Data Assessment Discussion**

**Session 7** (Chairs: Giuliana de Toma and Liying Qian)

10:45-11:45 AM

- **WG3 Focused Topic: Space Age Solar Minima**
  - 10:45-10:55 AM Marty Mlynchak
  - 10:55-11:05 AM Lan Jian
  - 11:05-11:15 AM Ana Elias
  - 11:15-11:45 AM Discussion

11:45-11:55 AM

- **Break**

**Session 8** (Chairs: Gina DiBraccio and Rachael Filwett)

11:55-12:55 PM

- **WG4 Focused Topic: Connecting Activity across the Heliosphere**
  - 11:55-12:05 PM Olivier Witasse
  - 12:05-12:15 PM Leila Mays
  - 12:15-12:25 PM Jacob Gruesbeck
  - 12:25-12:35 PM Elena Provornikova
  - 12:35-12:55 PM Discussion

12:55-1:00 PM

- **Wrap Up/Closing Remarks**

**THURSDAY, 16 SEPTEMBER, 2021:**

**Session 9** (Chairs: Gina DiBraccio and Rachael Filwett)

8:00-8:05 AM

- **Introduction** - Sarah Gibson

8:05-9:05 AM

- **WG4 Focused Topic - Specific Events During WHPI**
  - 8:05-8:15 AM Emilia Kilpua
  - 8:15-8:25 AM Erika Palmerio
  - 8:25-9:05 AM Discussion

**Session 10** (Chairs: Robert Allen and Mary Hudson)

9:05-10:05 AM

- **WG2 Focused Topic - Impacts of HSS to Planetary Systems**
  - 9:05-9:15 AM Mary Hudson
  - 9:15-9:25 AM Federico Gasparini
  - 9:25-10:05 AM Discussion

10:05-10:20 AM

- **Break**

**Session 11** (Chairs: Giuliana de Toma and Liying Qian)

10:20-12:00 PM

- **Poster Session:** Allen, Buattaisong, Chen, Choraghe, Emery-Geiger, Hewins, Kumae Sondhiya, Li, Mis, Muangha, Nicoli, Rathore, Rodriguez, Temmer, Wilson

12:00-12:55 PM

- **WHPI Collaboration Planning Discussion**

12:55-1:00 PM

- **Wrap Up/Closing Remarks**

**FRIDAY, 17 SEPTEMBER, 2021:**

8:00-8:05 AM

- **Introduction** - Barbara Thompson

**Session 12** (Chairs: Heather Elliott and Carlos Martinis)

8:05-9:05 AM

- **WG1 Focused Topic - “Quiet-time” Impacts on Planets**
  - 8:05-8:15 AM Xiaohua Fang
  - 8:15-8:25 AM Xuguang Cai
  - 8:25-8:35 AM Bernard Jackson
  - 8:35-8:45 Pontus Brandt
  - 8:45-8:50 Dan Gershman
  - 8:50-9:05 AM Discussion

**Session 13** (Chairs: Giuliana de Toma and Liying Qian)

9:05-10:05 AM

- **WG3 Focused Topic - Panel: “Maunder Minimum, long term solar variability from historical records, and impact on climate”** - Natalie Krivova, Judith Lean, Hanli Liu, Matthias Rempel, Leif Svalgaard, Ilya Usoskin

10:05-10:20 AM

- **Break**

**Session 14** (Chairs: Sarah Gibson and Barbara Thompson)

10:20-12:00 PM

- **Poster Session:** Abbo, Alterman, Bilenko, Bregou, Buitrago-Casas, de Toma, Glboa, Kooi, Lamy, Marchenko, Mayyasi, McEntee, Poopakun, Snow, Thiemann

12:00-12:55 PM

- **Plenary Collaboration Planning**

12:55-1:00 PM

- **Wrap Up/Closing Remarks**