

SHINE 2022 Workshop Schedule
June 26 - July 1, 2022
Honolulu, HI

Sunday, June 26: Student Day - For Students Only

Saturday, June 25: SHINE-GEM sessions (8:30-12:30)

Sunday, June 26: SHINE-GEM sessions (8:30-12:30)

Monday, June 27

7:00 Breakfast

8:30 Welcome and Opening Remarks: Lugaz & Nieves-Chinchilla

8:45 Student Day Summary Gilly & Terres

9:00 NSF Report and DKIST Introduction

9:30 Other business

9:45 Plenary Talk A Nour Raouafi

10:30 Coffee Break

11:15 Working Group Sessions

- Energy Dissipation Processes in Space Plasmas (#3)
- Connecting the Sun and Heliosphere through Interdisciplinary Coordinated Observing Campaigns and Modeling (#6)
- Machine Learning and Data Assimilation in Heliophysics: Capturing the Big Picture (#10)

12:30 Lunch Break

14:00 WG Sessions continue

15:15 NETWORKING & POSTERS presenting participants with posters with numbers dividable by 3 (3N) - RECEPTION

19:00 Adjourn

Tuesday, June 28

7:00 Breakfast

8:30 Working Group 'Progress and Prospects' Reports WG Leaders

9:00 Plenary Talk B: Christina Cohen

9:45 Working Group Sessions

- Multi-messenger Heliophysics with DKIST, PSP and SO: Defining the Upcoming Opportunities (#2)
- SHINE Challenge: SEP Model Validation Community Effort - Forecasting the "Nonevent" (#9)
- Modeling CME initiation and propagation through the heliosphere11:00 Coffee Break (#11)
- Heliospheric Turbulence II: Multiscale Nature of Turbulence from Inertial Scales to Dissipation Range (#16)

11:30 WG Sessions continue

12:45 Lunch Break

14:00 Working Group Sessions

- Understanding and Quantifying the Performance and Uncertainties in Solar and Heliospheric Models (#5)
- Models and observations for the contributions from SEPs and GCRs to the radiation background in the heliosphere (#17)
- The kinetic physics of collisionless shock waves in the heliosphere (#18)

15:15 Coffee Break

15:45 WG Sessions continue

17:00 Poster Session with Refreshments presenting participants with posters with numbers dividable by 3N+1

Wednesday, June 29

7:00 Breakfast

8:30 Working Group ‘Progress and Prospects’ Reports WG Leaders

9:30 Plenary C: Maria Kazachenko

10:15 Working Group Sessions

- Do we understand the role of turbulence and diffusion in cosmic ray transport in the heliosphere? (#1)
- Connecting the Heliosphere with the Interstellar Medium (#8)
- How can we improve our current understanding of the nature of pre-eruptive configurations and the genesis of solar eruptions? (#13)

11:30 Coffee Break

11:45 WG Sessions continue

13:15 Free afternoon

18:00 – 20:30 Poster Session with Refreshments presenting participants with posters with numbers dividable by 3N+2

Thursday, June 30

7:00 Breakfast

8:30 Working Group ‘Progress and Prospects’ Reports WG Leaders

9:00 Plenary Talk D: Doug Simons

9:45: Break and Poster Session presenting participants with posters with numbers dividable by 3N+2

11:15 Working Group Sessions

- Data Mining for Science of the Sun-Earth Connection as a Single System (#7)
- Flux Ropes and their Dynamics (#12)
- Data-driven models of solar flares: where are we and what's next? (#19)

12:30 Lunch Break

14:00 WG Sessions continue

15:15 Break and Networking

16:15 Town Hall – DKIST introduction

17:00 ---

18:30 Cocktails

19:00 Banquet

Friday, July 1

7:00 Breakfast

8:30 Working Group 'Progress and Prospects' Reports WG Leaders

9:00 Town Hall – Decadal Survey Q&A

9:45 Working Group Sessions

- Heliospheric Turbulence I - Interplay of Large-scale Structure with Turbulence (#4)
- Identifying Science and Instrumentation Gaps in the Coronal - Solar Wind Connection (#14)
- Suprathermal Ions in the Heliosphere and Surrounding Very Local Interstellar Medium (#15)

11:00 Coffee Break

11:30 WG Sessions continue

12:45 Final Remarks, Discussion of Next Year's Workshop

13:15 Workshop Adjourns