

A Multi-Point View of the Sun: Advances in Solar Observations and in Space Weather Understanding



Tuesday, 6 August 2024 - Thursday, 8 August 2024

Scientific Programme

Program outline

Session 1 - Synergetic science from space- and ground-based assets

The session will be focussed on science and will contain four invited talks reporting the results obtained by the space and ground observatories, with particular stress on coordinated science. The talks should include data contributions for all the assets, not only those mentioned, covering the full range of wavelengths from X-ray to radio and types of instruments.

Session 2 - Magnetic and wind connectivity science from the photosphere to the heliosphere

	Tuesday, Aug 6th	Wednesday, Aug 7th	Thursday, Aug 8th
<p>08:00 – 09:00 morning plenary</p> <p>The session will focus specifically on the Sun-heliosphere connectivity from magnetic field measurements and modeling to the solar wind science.</p>	Registration		IAUS 390 plenary
<p>09:00 – 10:30 morning e-poster & coffee break</p> <p>Session 3 - The dynamic Sun: activity and eruptions</p> <p>The session will be focussed on the active and dynamic Sun, eruptive events and energetic particles acceleration. The session should be introductory to the Sun-space weather session.</p>	E-posters	E-posters	E-posters
<p>10:30 – 11:30 morning oral session</p> <p>Session 4 - The Sun-space weather connection</p> <p>This session should focus on how the Sun and heliosphere contribute to determine space weather. Awareness, science of forecasting, and data access. The active Sun: global collaboration in space weather forecasting.</p>	<p>Session 1 Synergetic science from space- and ground-based assets</p> <p>Session 2 Magnetic and wind connectivity science from the photosphere to the heliosphere</p>	<p>Session 3 The dynamic Sun: activity and eruptions</p> <p>Session 4 The Sun-space weather connection</p>	<p>Session 5 Novel techniques for data analysis: machine learning and deep learning</p> <p>Session 5 (end, ½ hr)</p> <p>Session 6 Lessons learned and future developments: toward a 4π view of the Sun</p>
<p>12:00 – 13:30 lunch</p> <p>afternoon oral session 1</p>	<p>Session 1 (end, ½ hr)</p>	<p>Session 3 (end, 1hr)</p>	<p>Session 5 (end, ½ hr)</p>
<p>15:00 – 15:30 afternoon e-poster & coffee break</p>	E-posters	E-posters	E-posters
<p>15:30 – 17:00 afternoon oral session 2</p> <p>Session 6 - Lessons learned and future developments: toward a 4π view of the Sun</p> <p>The session will focus on the future of the solar and space weather investigation, lessons learned and what's next.</p>	<p>Session 6 (end)</p> <p>Final open discussion</p>	<p>Session 6 (end)</p> <p>Final open discussion</p>	<p>Session 6 (end)</p> <p>Final open discussion</p>
<p>17:30 – 18:30 afternoon plenary</p>	Opening ceremony	Business 1	Invited Discourse 1
	Welcome Reception		(Gruber dinner)