

# Pathways to and from the Sun with **OSKAR** (Outstanding Simulations based on Knowledge, Algorithms, and Research)

## Scientific program

### Friday, 2025-06-13

Time	Speaker	Title of the presentation
14:00 – 14:10	-	Arrival
14:10 – 14:15	S. Berdyugina	Welcome
14:15 – 14:45	G. Vigeesh	<b>[Opening talk]</b> Dynamical Interaction of Solar Magnetic Elements and Convection: Then and Now
14:45 – 15:05	F. Riva	Simulating small-scale dynamo action in stars with CO5BOLD
15:05 – 15:25	G. Janett	Radiative transfer: about the gap between astrophysics and applied mathematics
15:25 – 15:55	F. Calvo	A browser-based user-friendly interface to High-Performance Computing
15:55 – 16:30	-	Coffee break
16:30 – 17:00	O. Steiner	Solar magnetic tornadoes ignite ambient shock waves: The surprising story of how torsional Alfvén waves can dissipate
17:00 – 17:20	A. Kramis	The Canary Islands Observatories: A personal retrospective
17:20 – 17:40	M. Ossendrijver	New Findings about the Babylonian reference stars known as "Normal Stars"
19:30 - ...	-	Social dinner at Ristorante Cittadella

### Saturday, 2025-06-14

Time	Speaker	Title of the presentation
09:00 – 09:20	A. Gandorfer	Four times Sunrise in 15 years
09:20 – 09:40	J. R. Canivete Cuissa	Swirly adventures with Oskar
09:40 – 10:10	A. Bossart	Science of a coffee cup: a physicist walks into a bar...
10:10 – 10:50	-	Coffee break
10:50 – 11:10	A. F. Battaglia	Chromospheric swirls: any connection with small-scale flaring activity?
11:10 – 11:30	S. Diaz Castillo	From an atmospheric vortex flow to magnetic flux sheets: Some observational evidence of the convective plasma and small-scale magnetic field interaction in the Quiet Sun.
11:30 – 12:00	S. Berdyugina	<b>[Concluding talk]</b> Quantum entanglement in science and life
12:30 - ...	-	Lunch at Caffè Verbano (Piazza Grande) + visit to IRSOL

In **color**, the presentations with a 30 minute slot.