XIXth Hvar Astrophysical Colloquium Solar Physics Across Scales: From the Solar Interior to the Heliosphere and Stellar Systems **27 Sep - 1 Oct 2027, Hvar, Croatia**

The Hvar Astrophysical Colloquium (HAC) is organized every two years in the town of Hvar , Croatia with aim to bring together researchers from Europe and beyond, devoted to instrumentation, fundamental as well as applied research in the field of solar and heliospheric physics, space weather and space climate.

CONFERENCE MEETING PLACE

Hotel Amfora - Hvar Grand Beach Resort, City of Hvar, Hvar, Croatia
Layout (map) of conference rooms in Amfora

TOPICS / SESSIONS

1. Solar Interior and Subsurface Processes: Solar interior, convection, differential rotation, internal flows, subsurface dynamics, helioseismology, solar dynamo
2. Photosphere and Magnetic Fields: Solar photosphere, sunspots, flux emergence and evolution, photospheric and sub-photospheric magnetic fields, distribution of photospheric magnetic fields, spectropolarimetry
3. Solar Atmosphere: Solar chromosphere, transition region, solar corona, waves, atmospheric heating, coronal holes
4. Solar Eruptions: Solar flares, coronal mass ejections, prominences and filaments, flux ropes, magnetic reconnection, eruptive processes
5. Solar Wind, Heliosphere, Particle Acceleration and Transport: Solar wind origin and acceleration, slow and fast solar wind, heliospheric magnetic field, interplanetary space, interplanetary CMEs, stream interaction region, co-rotating interaction regions, high-speed streams, turbulence, solar energetic particles, galactic cosmic rays, particle acceleration and transport
6. Space Environments and the Stellar Connection: space weather, space climate, magnetosphere–ionosphere coupling, ionosphere, aurorae, Sun–planet connection, solar–stellar connection, stellar activity and magnetic cycles, exoplanetary space weather and space climate

Contributions employing a wide range of observing techniques and diagnostic methods are welcome across all topics.

TIMETABLE & IMPORTANT DATES

TBD

ORGANISATION

SCIENTIFIC ORGANIZING COMMITTEE

Co-chairs:
Davor Sudar (Hvar Obs., Croatia)
Mateja Dumbović (Hvar Obs., Croatia)
Domagoj Ruždjak (Hvar Obs.)

Members:
Roman Brajša (Hvar Obs., Croatia)
Noe Lugaz (UNH, USA)
Julia Thalmann (UniGraz, Austria)
Stephan Heinemann (Uni Helsinki, Finland)
Miroslav Barta (Astron. Inst. CAS, Czech Republic)
Peter Gömöry (Astron. Inst. SAS, Slovakia)
Petri Käpylä (UniGraz, Austria)
Kinga Albert (IAA-CSIC, Spain)
Tim Bastian (NRAO, USA)
Sarah Gibson (NSF NCAR, USA)
Piyali Chatterjee (IIA, India)
Jingnan Guo (USTC, China)
Konstantin Herbst (UiO, Norway)
Rolf Schlichenmaier (KIS, Germany)
Laura Rodríguez-García (UAH, Spain)
Hisashi Hayakawa (Nagoya Univ., Japan)

LOCAL ORGANIZING COMMITTEE

Chair:
Domagoj Ruždjak (Hvar Obs.)

Members:
Jaša Čalogović (Hvar Obs.)
Akshay Kumar Remeshan (Hvar Obs.)
Bojan Vršnak (Hvar Obs.)
Filip Matković (Hvar Obs.)
Melike Tirnakci (Hvar Obs.)
Jose Ivan Campos Rozo (Hvar Obs.)
Toni Visković (Hvar Obs.)

CONTACT

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Code of conduct (pdf)