

Outreach events for the 17th European Solar Physics Meeting (ESPM-17)

On the occasion of the 17th European Solar Physics Meeting (ESPM-17, <https://indico.ict.inaf.it/event/2553/>), held in Turin from September 9th to 13th, 2024, we organized a public outreach conference titled “*Sole, Clima e Fusione Nucleare*” (<https://www.youtube.com/watch?v=mNCT7aTsXU0>) to engage the general public with topics related to the Sun, its influence on Earth's climate, and the future of nuclear fusion. The event, open to all, took place both in person at the prestigious main lecture hall of the Polytechnic University of Turin at the Lingotto and online.

The speakers included Francesco Porcelli (Deputy Rector of Politecnico di Torino), Carla Taricco (Associate Professor at the University of Turin), and Alessandro Bemporad (Researcher at the National Institute for Astrophysics, INAF). The conference was chaired by Piero Bianucci, science writer and journalist. Following the presentations, a round table discussion was moderated by Lorenzo Colombo (<https://www.chpdb.it/author/lorenzo-colombo/>), where the audience—both in-person and online—was invited to ask questions. The conference video has already reached 1,850 views.

Additionally, the Solar Physics Group of INAF in Turin, in collaboration with Politecnico di Torino, created a series of short videos about our Sun. The project, titled “*Sapore di Sole*”, consists of concise outreach videos published on Media Inaf’s YouTube channel (https://www.youtube.com/watch?v=FIK2gxqVUFE&list=PL1uJIVfKq4gFUYqCyM-d_vAhsErH_YEXM). Each video is dedicated to a different aspect of solar research, and were designed to be viewed in any order, cover a broad range of topics, from the Sun's internal structure to the outermost layers of its atmosphere, from phenomena occurring in the solar core to eruptive events that can impact Earth’s magnetosphere. Additionally, the videos explore the technological implications of fundamental physics phenomena, such as nuclear fusion. Together, these videos have garnered over 8,550 views.

Organizational expenses for the public outreach conference, as well as expenses for the provision of the materials needed to produce the video collection “Sapore di Sole”, have been partly covered by the contribution given by ESWAN. The ESWAN logo has been published over the meeting website (<https://indico.ict.inaf.it/event/2553/page/1020-sponsors-and-partners>), in the official ESPM17 poster (<https://indico.ict.inaf.it/event/2553/page/1413-espm-17-event-poster>), and in the official group picture shared with all the participants (https://drive.google.com/file/d/1U8vLq1CkZr7rgVUFLmG0_STI7qp4Bz7k/view?usp=sharing).

ESPM-17 LOC members:

Alessandro Bemporad (Chair, INAF), Lucia Abbo (Co-chair, INAF), Emanuele Amato (INAF), Carlo Benna (INAF), Ruggero Biondo (INAF), Alberto Cora (INAF), Silvano Fineschi (INAF), Francesco Frascella (INAF), Federica Frassati (INAF), Silvio Giordano (INAF), Hervé Haudemand (INAF), Francesco Porcelli (Turin Polytechnic), Roberto Susino (INAF), Carla Taricco (Turin University), Luca Zangrilli (INAF)