

First call of the 10th Summer School at the ISAC Institute, Lecce Unit**Severe weather in a changing climate**

The ISAC-CNR summer school, this year co-organised with Università Politecnica delle Marche and Università di Genova, and supported by the "WIND RISK" project, funded by Next Generation EU, will take place at Hotel Orsa Maggiore (<http://www.orsamaggiore.it/>) in Castro Marina, a very nice marine resort close to Lecce, in the south-eastern corner of Italy, from June 30 to July 4, 2025.

The purpose of the Summer School is to provide an intensive and comprehensive review of the current knowledge on some hot topics in severe weather, ranging from observations to predictions. This year the focus will be on subjects of growing interest in the research and operational community, such as atmospheric rivers and downbursts, analysed in a changing climate context. The school is primarily addressed to PhD, Master students in atmospheric sciences and post-doc researchers and operational forecasters from regional and national meteorological agencies.

This year the seminar program and lecturers are the following:

Atmospheric rivers (**Marty Ralph** - University of California San Diego/Scripps Institution of Oceanography)

Downbursts and thunderstorm gust fronts (**Diordje Romanic** - Department of atmospheric and oceanic sciences, McGill university, Montreal, Canada)

Experimental simulation of downbursts and their impacts on structures (**Amal Elawady** - Florida International University Miami, USA)

Predicting Extreme Weather Events (**Luca Delle Monache** - Scripps Institution of Oceanography - University of California San Diego)

Remote sensing and severe weather (**Leo Pio D'Adderio** - CNR/ISAC section of Rome, Italy)

For the registration and any further information contact us at: ss2025@le.isac.cnr.it. The web site will be ready in the next few days (<http://ss2025.le.isac.cnr.it>). The registration will be closed on May 02, 2025. A maximum of 40 students will be admitted.

The Organizing Committee

Umberto Rizza
Mario Marcello Miglietta
Massimiliano Burlando
Giorgio Passerini
Fabio Grasso
Giovanni Lella

~ 1 ~