



5th International Training School on **Convective and Volcanic Clouds (CVC)** detection, monitoring and modelling

Nicolosi, Italy, 2-10 October 2019

*This training school is organized by researchers of Dipartimento di Geoscienze - Università degli Studi di Padova,
 and the Istituto Nazionale di Geofisica e Vulcanologia (INGV).*

With the patronage and financial support of Università degli Studi di Padova.

The purpose of the School is to train students, with outstanding research interest, in: 1) the techniques allowing to detect, monitor, and model convective and volcanic clouds, 2) the state-of-the-art instruments and satellite missions (present and future), and 3) the type of studies needed for **supporting policymakers, early warning systems and aviation safety**.


The extreme atmospheric event cloud detection is a **high multidisciplinary and challenging** topic since the same techniques and instruments can be used for meteorology, volcanic monitoring, atmospheric physics and climate purposes. Within all these fields there are still **many unanswered questions making this school fundamental** for creating a **new generation of scientists** able to use the synergy of several different instruments and techniques.

Each topic includes **keynote plenary lectures** with in-depth discussion combined with the **practical application** of the material covered thanks to introductory lab sessions and a set of research problems that will form the core of the School. Through the introductory keynotes invited lectures, the students will be introduced to all the issues and challenges of the convective and volcanic clouds detection, monitoring and modelling, gaining an overview of the state of the art and the future development.

All the participants are expected to give a short talk or to present a poster about their own research; the selection of the talks will be done through an evaluation process as in a regular conference. The students will leave the school with an increased understanding of the cutting-edge research questions and with the perspective of creating some future projects in this field also thanks to the network created during the school with the lecturers and other students.

Keynote lecturers	Lecturers
<p>Lorenzo Labrador (WMO) Frank Silvio Marzano (La Sapienza Univ., Italy) Marcello Miglietta (ISAC-CNR, Italy) Mike Pavolonis (NOAA, USA) Fred Prata (AIRES Ltd, UK) Dorinel Visoiu (ROMATSA, Romania)</p>	<p>Frances Beckett (MetOffice, UK) Riccardo Biondi (Univ. Padova, Italy) Tatjana Bolic (Univ. of Trieste, Italy) Hugues Brenot (BIRA, Belgium) Stefano Corradini (INGV, Italy) Gordon Grainger (Univ. of Oxford, UK) Guergana Guerova (Univ. of Sofia, Bulgaria) Mario Montopoli (ISAC-CNR, Italy) Giuseppe Salerno (INGV, Italy) Simona Scollo (INGV, Italy) Mark Woodhouse (Univ. of Bristol, UK)</p>



<p>Organizing committee <i>Riccardo Biondi</i> (Univ. Padova, Italy) <i>Valeria Cigala</i> (Univ. Padova, Italy) <i>Stefano Corradini</i> (INGV, Italy) <i>Giuseppe Salerno</i> (INGV, Italy) <i>Simona Scollo</i> (INGV, Italy) <i>Antonio Cristaldi</i> (INGV, Italy)</p>	<p>Local Organization</p> <p>Island Of Meetings by ER srls Phone: +39 3931302769 Email: info@islandofmeetings.com www.islandofmeetings.com</p> 
--	---

Applications

The School is open to all the researchers, pilots, air traffic managers and anybody interested in the topic giving priority to graduate students, PhD students and early career researchers. More info about this school and the previous editions are available at the website <http://www.CVCtrainingschool.org>

Dates

Registration deadline: ~~10 August 2019~~
 Extended registration deadline: **10 September 2019**

Contacts

info@islandofmeetings.com

School fees and accommodation

It is possible to register for the volcanic clouds module (2 Oct – 5 Oct) or to the convective clouds module (7 Oct – 10 Oct) or for the whole training course (9 days). The simple registration fee includes coffee breaks, teaching material, airport shuttle and excursion to the Etna’s summit central craters. The full board registration fee includes accommodation, meals, coffee breaks, teaching material, airport shuttle and excursion to the Etna’s summit central craters. Every meal will be served in a different restaurant with typical local dishes, accommodation will be in B&B with quality and services equivalent to *** hotel or in a *** hotel.

Registration type	Simple (1 module)	Full board (1 module)	Simple (2 modules)	Full board (2 modules)
Regular	300€	540€ - 740€	350€	845€ - 1.050€

The full board price range depends on the accommodation type (sharing or single room) and participation to the excursion. Several options are available, please ask for details. Grants are available for specific cases.

Excursions and fun-run

- Excursion to the Etna’s summit central craters with a volcanological guide.
- Fun-run in the morning before the school

School Location

Nicolosi (Italy), is a city located on the slopes of the Etna volcano, known as the gateway to Etna. On several occasions, eruptions have highly damaged the city. Nicolosi has numerous buildings of architectural and historical interest such as The Mother Church, dedicated to the Holy Spirit and the Benedictine monastery of San Nicolò l’Arena. In Nicolosi, a nice road begins that stretches up to the Rifugio Sapienza, from where excursions to the crater area start.

