

**International Advanced Course in
Liquid Interfaces, Drops and Sprays
10th Edition
DROPS AND SPRAYS
FOR BEGINNERS AND ADVANCED LEARNERS
Pavia, Italy, 10th – 14th June 2024**

International Course Directors
A. Amirfazli, V. Bertola, M. Marengo

Under the auspices of the Intensive School for Advance Graduate Studies (ISAGS) of the University of Pavia, we propose the X edition of the successful LIDESP course.

LIDESP is not a workshop or a conference, it is an **educational venue** on the physics of liquid drops and sprays, which is essential for many applications, from aeronautics (icing) to oil extraction (effervescent spray, drop collisions in pipes), from electronics (spray cooling) to agriculture (pesticide distribution), from microfluidics (droplet management) to painting processes (spray coating), from biology (blood droplets, sterilization) to thermal transfer (condensation in heat exchangers), from chemistry (drying tower) to medical applications.

The primary objective of this course is to deliver an in-depth and didactic understanding of the physics of drops and sprays, drawing upon the latest research advancements and cutting-edge methodologies for predicting dynamic outcomes, heat transfer phenomena, wettability effects, and their broad range of applications in the realms of technology and industry.

This course also boasts a special segment dedicated to the captivating field of microfluidics and microdroplet control, particularly in the context of pharmaceutical and biomedical applications. Participants will have the unique opportunity to explore the intricate dynamics and intricacies of microfluidics, uncovering its profound impact on the control and manipulation of microdroplets within the pharmaceutical and biomedical sectors.

LIDESP is in person only course.

The lectures will be recorded and the files will be given to the participants.

Registration is open from the 1st of March 2024 to the 15th of May 2024. Early bird: 30th March 2024.

Maximum number of participants: 30.

Fees:

Academic (tenure, post-doc, researcher): 500€

Ph.D students: 300€

Industry: 1000€

The fees don't include the accommodation.

TO REGISTER: ONLINE REGISTRATION SITE WILL BE READY SOON

More info: marco.marengo@unipv.it