

# ANIMMA

## INTERNATIONAL SUMMER SCHOOL

IFIC, VALENCIA - SPAIN

**SCHOLARSHIPS  
AVAILABLE**  
**MAX. 40 STUDENTS**  
**3 FULL DAYS**  
**5 LECTURES**  
**12 LAB SESSIONS**

**JUNE 7 - 9  
2025**



## The 2nd ANIMMA International Summer School

A program of courses from fundamental physics to nuclear instrumentation applications held at Instituto de Física Corpuscular (IFIC), CSIC-Universitat de València

### LECTURES

- Interaction of radiation with matter
- General aspects of radiation detectors
- Nuclear heating rate measurements
- Medical physics instrumentation
- High energy physics instrumentation
- Fake news and communication



### KEY DATES

**APPLICATION OPENING:**  
January 16, 2025

**APPLICATION DEADLINE:**  
March 13, 2025

[www.animma.com](http://www.animma.com) - AISS  
Contact: [conference@animma.com](mailto:conference@animma.com)

### LAB SESSIONS

- Geant4 Monte Carlo simulations
- Image Processing with AI
- The cloud chamber
- Ambient radioactivity measurements
- White rabbit synchronization
- Time projection chambers
- The Geiger tube
- Arduino-based circuit characterization
- High frequency signal processing
- Compton camera imaging
- Multi-anode photomultiplier tubes
- Timepix detectors

### CHAIR AND CO-CHAIRS

- Ludo Vermeeren - SCK CEN, Belgium
- Ana Ros García - IFIC (CSIC-UV)
- Fernando Hueso González - IFIC (CSIC-UV)

