



Dear Colleagues and Friends, dear ANIMMA attendees,

Nowadays nuclear measurement techniques and associated instrumentation are still in progress, and, within high-energy physics experiments, still bring a key contribution to fundamental research and to our knowledge of the Universe and its fundamental laws, the “physics of the two infinities”. They also enable us to control nuclear reactors, to monitor the dosimetry, to contribute in public health in the field of diagnosis and therapy, to ensure some controls and characterization related to transport safety, radioactive wastes and dismantling operations, to check the compliance of components and industrial processes, to monitor pollution, to cope with nuclear proliferation... Not less than that, so to say!

I think we are all well aware of the fact that, over the past few decades, we have made tremendous progress in the development of measuring devices, data processing and analysis tools in many areas of interest such as computing (data mining, Artificial Intelligence, Algorithmic, Machine Learning and Deep Learning), robotics, space, health technologies, energy, environment, and transport. These advances unavoidably affect the requested performances of predictive modelling tools as well as experimental capabilities linked to our fields of activities. In this respect, ANIMMA scientific community has both the legitimacy and the leadership to face these challenges, and continuously develop a relevant international network.

As such, ANIMMA conference and the associated network is a seedbed of new scientific international collaborations dealing with experimental sciences and technologies.

The ANIMMA Conference has always strived to create a special meeting place shared by all those working in nuclear instrumentation and measurement and their applications, as we strongly believe that cross-border exchanges between scientists, engineers and industrialists can only lead to the most developed ideas, the best solutions and the most efficient collaborations and partnerships. Therefore, ANIMMA continues to maintain a high level of scientific and technical quality by presenting not only the latest advances but also the state of the art in each field through the participation of international specialists and experts.

ANIMMA-2023 was held exclusively in-person from June 12th – 16th at Real Collegio in Lucca, Italy (www.animma.com). The conference was locally organized by both CAEN-Sys and University of Pisa in strong partnership with CEA (France), SCK.CEN (Belgium), Aix-Marseille-University (France), IEAP Institute (Czech Republic) and Josef Stefan Institute (Slovenia).

ANIMMA-2023 is the eight edition of a series of conferences with a scientific program dealing with:

- 3 full days dedicated to the brand new ANIMMA International Summer School (AISS) from June 10th to 12th
- A full-day dedicated to 4 international workshops on Monday June 12th
- 3 prestigious keynote lectures on Tuesday June 13th during the opening ceremony
- 3 relevant plenary talks on Wednesday 14th, Thursday 15th and Friday 16th at the start of each day followed by parallel oral sessions
- Intensive oral sessions to promote posters on Tuesday 13th and Wednesday 14th afternoon followed by plenary poster session
- Permanent poster and industrial exhibition from Tuesday 13th to Friday 16th

More than 270 scientific presentations were given during the conference.

ANIMMA-2023 welcomed 403 attendees from 31 countries including 80 graduate students. We awarded 2 best student papers and 3 best posters.

The attendees deserve our warmest thanks and consideration for making this eighth edition a great success in an extraordinary location.

All the committee members are looking forward to welcoming everyone again at ANIMMA2025 in Valencia, Spain.

Prof. Dr. Abdallah LYOUSSE

ANIMMA General Chairman and Program Committee Chair