

Hotel Melia, Valencia June 10<sup>th</sup>, 2025



























# **WELCOME TO ANIMMA 2025**

- 9<sup>th</sup> edition **locally organized** by :







- In a **partnership** with:









































**Nuclear Instrumentation Measurement Methods and their Applications** 



# Her Excellency Paula LLOBET Councilor for Tourism, **Innovation and Investment Attraction of the Valencia City**





























# Prof. Dr. Abdallah LYOUSSI **ANIMMA General Chair CEA**, France































- 35 nationalities
- Between 250 and 380 contributions
- Referenced Proceedings
- Special IEEE/TNS issue







### 7 full days:

- ANIMMA International Summer School AISS
  - (3 days, with exercises)
- □ 3 Workshops (1 full day)
- Opening and Closing ceremonies
- ☐ 3 Key note speakers
- ☐ 3 Plenary talks
- ☐ 32 Parallel Oral Sessions
- 9 Parallel Intensive Orals
- ☐ Special events
- ☐ Student grants
- Permanent Poster Exhibition
- Permanent Industrial Exhibition
- Best Poster(s) Awards
- Best student paper(s) Awards
- □ Referenced Proceedings (EPJ-N)
- ☐ Special Edition of TNS



9th edition in PERSON lavout

Registration opening January 16, 2025

























Ana Ros García Fernando Hueso Gonzále:





Abdallah Lyoussi General Chair & Program Committee Chair



General Co-Chair



Carmen García Steering Committee Chair



Andrés Gadea Steering Committee Co-Chair



Stanislav Pospisil Scientific Committee Chair

Christelle Reynard-Carette

Workshop Organization



Michel Carette Scientific Committee Co-



Gabriela Llosá **Local Organizing Committee Chair** 

Ana Ros García

ANIMMA International

Summer School Co-Chair



Carlos Mariñas **Local Organizing** Committee Co-Chair



Fernando Hueso González ANIMMA International Summer School Co-Chair

### **Operational Organization team:**



Gabriela LLOSA IFIC, Spain



Rastislav Hodák IEAP/CTU, Czechia



Ludo Vermeeren Lory Laera SCK.CEN, ,Belgium CAEN. Italy



Christelle Reynard-Carette AMU, France





Carlos Marinas IFIC, Spain



Fernando GonzalezAna Ros Garcia IFIC, Spain IFIC, Spain



Marie-Odile Douault CEA, France



Sandrine Poulain CEA, France



Claude Foubert Vertcom, France





Industrial Exhibition Chair



ANIMMA International

Summer School Chair

























### **ANIMMA 2025 Topics**: <u>10 +1</u>

Instrumentation and measurement in:

- Funamental Physics
- Space Sciences and Technology
- **Fusion Diagnostics and Technology**
- Research Reactors and Particle Accelerators
- Nuclear Power Reactors and Nuclear Fuel Cycle
- Nuclear Safeguards, Homeland Security and CBRN
- Decommissioning, Dismantling and Remote Handling
- Severe Accident Monitoring
- **Environmental and Medical Sciences**
- Education, Training and Outreach

















**Environmental and Medical Sciences** 

Current Trends in Development of Radiation Detectors









Ana Ros García Fernando Hueso Gonzále:

Andrés Gadea



LOCAL ORGANIZING COMMITTEE CHAIR AND CO-CHAIR

WORKSHOPS AND AISS SCHOOL ORGANIZATION CHAIRS AND CO-CHAIRS Christelle Reynard-Carette





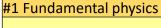






### **Contributions vs Topics**

### 343 abstracts\_have been submitted 307 have been accepted trough peer reviews - 3 rev./abs.



#2 Space Sciences and Technology

#3 Fusion Diagnostics and Technology

#4 Research Reactors and Particle Accelerators

#5 Nuclear Power Reactors and Nuclear Fuel Cycle

#6 Nuclear Safeguards, Homeland Security and CBRN

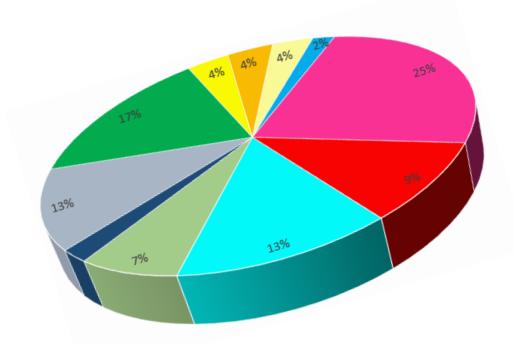
#7 Decommissioning, Dismantling and Remote Handling

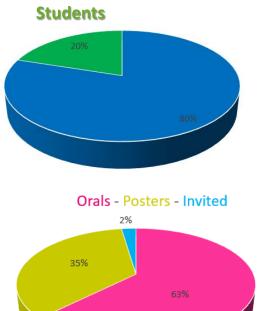
#8 Severe Accident Monitoring

#9 Environmental and Medical Sciences

#10 Current Trends in Development of Radiation Detectors

#11 Education, Training and Outreach























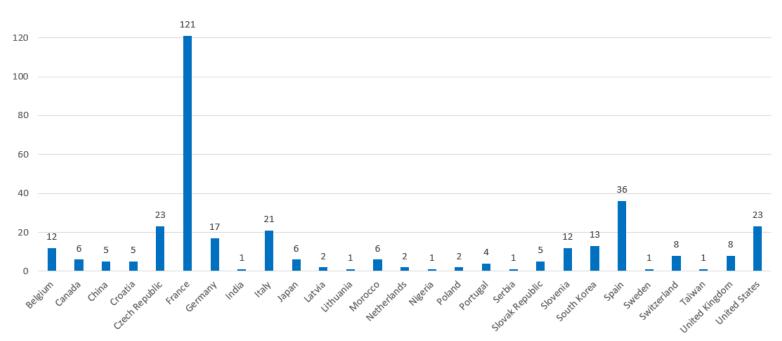




### The origin of the attendees

### 356 registered participants





### 27 nationalities

























For Conference program & organization details : www.animma.com , INDICO and the Conf. App

- June 7-9 : ANIMMA Int. Summer School AISS
- June 9 : #3 Workshops
- June 10 : Opening ceremony + #3 keynote lectures
- June 13-16 (#44 sessions): #3 Plenary talks, #32 Parallel Orals, **#9 Parallel Intensive Orals**
- Permanent Posters Exhibition and Industrial Exhibition
- Special Events (on Wednesday 11th )
- Gala dinner on Thursday
- Best poster(s) and best student paper(s) competitions
- June 13 : Conclusion panel

261 presentations, registrants: 20% Students

























# **Program Update & Book of Abstracts**



17:00 - 21:00	Monday, June 9th: Issuing conference badges (17:00-19:00) and Welcome cocktail (19:00-21:00)					
	Tuesday, June 10 <sup>th</sup>					
	Opening ceremony					
	Issuing conference badges continues at 8:00					
	Room #1					
	OPENING SESSION					
09:20 - 11:00	Abo	fallah LYOUSSI (France), Rastislav HOD/	K (Czech Republic), Gabriela LLOSA (	Spain)		
11:00 - 11:20	Group Photo and Coffee Break  Keynote lectures: Room #1					
11:20 = 11:45	,					
11:45 - 12:10	"Sustainability in scientific infrastructures", by Yolanda BENITO (CIEMAT, Spain)					
11:45 - 12:10	"Toward new frontiers: Deploying state-of-the-art astronomical X-ray and gamma-ray detectors into interdisciplinary fields",					
	by Tadayuki TAKAHASHI (Kavli IPMU, Japan) "Gravitational waves with ground-based detectors", by Alicia M. SINTES (UIB, Spain)					
12:10 - 12:35	-Gravit	ational waves with ground-based d	etectors", by Alicia M. SINTES (U	B, Spain)		
12:40 - 14:00	LUNCH					
22.40 - 24.00		Room #2	Room #3	Room #4		
11.00	Room #1					
12.40 - 14.40	Gabriela LLOSA (Spain)	Jean-Michel RUGGIERRI (France)	Igor JOVANOVIC (USA)	Michel GIOT (Belgium)		
	Gabriela LLOSA (Spain) Tadayuki TAKAHASHI (Japan)	Jean-Michel RUGGIERRI (France) Gordon KOHSE (USA)	Malcolm JOYCE (UK)	Michel CARETTE (France)		
14:00 - 14:20	Gabriela LLOSA (Spain)	Jean-Michel RUGGIERRI (France)				
14:00 - 14:20 14:20 - 14:40	Gabriela LLOSA (Spain) Tadayuki TAKAHASHI (Japan) #9-56	Jean-Michel KUSGIERRI (France) Gordon KOHSE (USA) 84-52	Malcolm JOYCE (UK) #6-57	Michel CARETTE (France) #11-53		
14:00 - 14:20 14:20 - 14:40 14:40 - 15:00 15:00 - 15:20	Gabriela LLOSA (Spain) Tadayula TAKAHASHI (Japan) 89-56 89-78 89-265 89-278	Jean-Michel RUGGIFRRI (France) Gordon KOHSE (USA) #4-52 #4-60	Malcolm JOYCE (UK) 86-57 86-272	Michel CARETTE (France) #11-53 #11-264 #11-156 #11-175		
14:00 - 14:20 14:20 - 14:40 14:40 - 15:00 15:00 - 15:20 15:20 - 15:40	Gabriela LLOSA (Spain) Tadayuki TAXAHASHI (Japan) #9-56 #9-78 #9-265 #9-278 #9-282	Jean-Michel RUGGIERRI (France) Gordon KOHSE (USA) 84-52 84-60 84-159 84-55 84-240	Malcolm (GVCE (UK) 86-57 86-272 86-11 86-266 86-16	Michal CARETTE (France) #11-53 #11-264 #11-156 #11-175 #11-202		
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TIMETABLE (CEST)

**INDICO** 

# **AMMINA**







**CONFERENCE GUIDE** 

2025





















## 3 Prestigious keynote speakers



Dr. Yolanda BENITO CIEMAT, Spain



Prof. Dr. Tadayuki TAKAHASHI IPMU, Japan



Prof. Dr. Alicia M. SINTES UIB, Spain























# **3 Plenary Talks**



Dr. Bertrand PEROT CEA, France



Prof. Dr. Peter KRIZAN JSI, Slovenia



Dr. José-Maria BENLLOCH I3M, Spain





















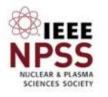






### **2 Special Events**

On Wednesday evening



### **Climate change event:**

Historical Analysis and Climatic Perspectives on Cut-Off Lows in Valencia: The Case of October 2024.



Chair: Gabriela LLOSA



Cochair: Cinzia Da Via

### Women in Engineering (WIE):

Women at CSIC



Vicent Altava Applied Research and Modeling Scientist at the Catalonian Meteorological Service

Carmen García **CSIC** Research Professor at **IFIC Catalonian Meteorological Service** 



2024 Blas Cabrera Spanish National Research Award in the category of Physical Sciences of Materials and Earth ...























- Attendees, Keynote lecturers, speakers (Plenary, Orals & Intensive, WS, AISS), Chairpersons (#65), reviewers (#110).
- Exhibitors (#21)
- IFIC, Univ. of Valencia, CSIC
- Vertcom, Turevents and Hotel Melia Venue





























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# Prof. Dr. Rosa DONAT Vice-Rector for Innovation and **Transfer of the University of** Valencia, Spain





























# **Professor Dr. Juan FUSTER** institutional delegate of the **Spanish National Research** Council (CSIC) in the Valencian **Community, Spain**



























# **Dr. Michel SOREL Deputy Director Institute for Particle Physics** IFIC, Spain





























# Dr. Jean-Michel RUGGIERI **Director of CEA-IRESNE Institute CEA**, France

### **Video IRESNE**





























# **Prof. Dr. Denis BERTIN Vice-President of AMU-A\*MIDEX Foundation Aix-Marseille University France**

https://univ-amu-fr.zoom.us/j/99178944535?pwd=ZZMweRYuRaiPAmV5FBGwBXN1faOnyh.1































# **Dr. Marc SCHYNS Director of Innovative Nuclear Systems** SCK.CEN, Belgium





























# Prof. Dr. Gian-Franco DALLA BETTA **IEEE/NPSS** representative Università degli Studi di Trento Italy

https://univ-amu-fr.zoom.us/j/99178944535?pwd=ZZMweRYuRaiPAmV5FBGwBXN1faOnyh.1

















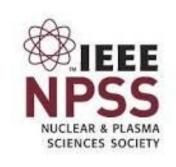












# Special issue of IEEE Transactions on Nuclear Science

Senior Editor

Prof. Gian-Franco Dalla Betta

Department of Industrial Engineering

University of Trento, Trento, Italy

gianfranco.dallabetta@unitn.it



# **IEEE Policy**

- Extended/enhanced conference contributions of longer lasting value can be submitted to TNS
- The content of the articles for TNS publication must meet the level of scrutiny by scientific review, and publication is not guaranteed for the TNS submission; please note that not all conference topics are covered by the scope of the journal, to be checked carefully before submission
- Only papers that contain sufficient additional information compared to contributions to the conference proceedings can be considered for publication in IEEE TNS:
  - as a general guideline, more than half of the submitted manuscript should represent new material;
  - related previous works (including the proceeding paper, if applicable) should be cited and the
    elements of novelty should be clearly indicated;
  - if you previously submit to the conference proceedings, it is requested that you attach copy of your paper to the TNS paper submission
- More information available on the conference web-site
- In case of doubts please don't hesitate to contact me



### **Status**

- The special issue is open for submission, Deadline October 1, 2025
- Special issue scheduled for April or May 2026
- A team of 11 Associate Editors involved:
  - Lei Raymond Cao, Ohio State University, USA
  - Peter Jansson, Swedish Defense Research Agency, FOI, Sweden
  - Richard Kouzes, Pacific Northwest National Laboratory, USA
  - Yang Liu, Texas A&M University, USA
  - Abdallah Lyoussi, CEA, France
  - Massimo Manghisoni, University of Bergamo and INFN Pavia, Italy
  - Adriana Morana, Université de Lyon Saint-Etienne, France
  - Andrew D Nicholson, Oak Ridge National Laboratory, USA
  - Daniele Passeri, University of Perugia and INFN Perugia, Italy
  - Maria Grazia Pia, INFN Genova, Italy
  - Jinhong Wang, University of Science and Technology of China, Hefei, China





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# **Dr. Rastislav HODAK ANIMMA General Cochair Czech Republic**

























### Conference materials

ANIMMA Homepage

- Registration
- Key Dates

Conference program

- Application Fields
- Keynotes and Plenaries
- Conference Booklet
- Book of Abstracts

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Contribution List

Participant List

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Workshops

Call for Abstracts

**Publications** 

Instructions & Guidelines

- Oral Presentation
- Poster Presentation
- Intensive Orals
- Presentation Durations
- Material Upload

tragic floods. Our thoughts and sincere condolences go out to all those who have been affected by these terrible events.

#### The 9th International Conference on

Advancements in Nuclear Instrumentation Measurement Methods and their Applications

The ninth of a series of conferences devoted to endorsing and promoting scientific and technical activities based on nuclear instrumentation and measurements.



Starts 9 Jun 2025, 08:00 Ends 13 Jun 2025, 18:30

Europe/Madrid



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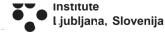
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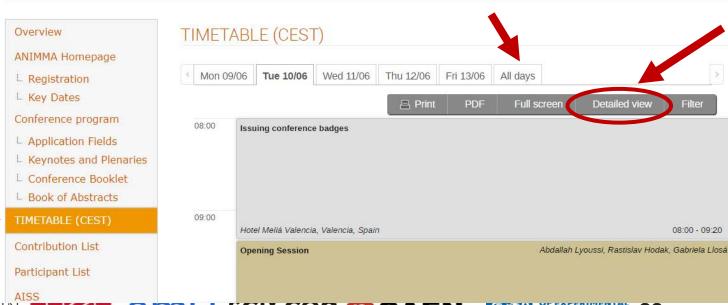




### **Timetable**



### Registration for the ANIMMA 2025 Conference is now OPEN! Visit https://animma.com/registration to register.



















VALENCIA - SPAIN







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#### Participant List

#### 346 participants

First Name \$	Last Name	Affiliation	Country
Abdallah	Lyoussi	CEA	France
Abel	Vanel	CEA/DRF/IRFU/DAp//LSIS	France
Achment	Chalil	CEA, DES, IRESNE, Nuclear Measurement Laboratory	France
Adam	Barr	University of Manchester	United Kingdom
Aditya	Raj Mandal	Laboratory Hubert Curien, Jean Monnet University	France
Adriana	Morana	Laboratoire Hubert Curien	France
Adrien	Sari	CEA-List	France
Adrien	Volte	Aix-Marseille Université	France
Afonso	Pinto	University of Aveiro	Portugal
Ales	Jancar	VF, α.s.	Czechia
Alexander	Fedorov	Nuclear Research and consultancy Group (NRG)	Netherlands
Alexander	Knospe	TU Dresden	Germany
Alexis	Dupont Bembinoff	École Polytechnique Fédérale de Lausanne	Switzerland





















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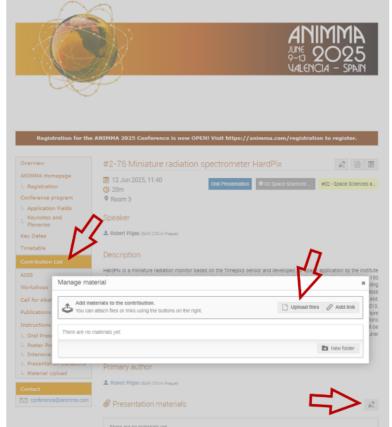
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# Prof. Dr. Gabriela LLOSA **Chair of the ANIMMA 2025 Local Organization Committee** Spain

**Presentation** 



























# Enjoy your conference



















