

# EuCAIFCon 2025



**Monday, 16 June 2025 - Friday, 20 June 2025**

**THotel**

## Scientific Programme

## **Datasets & Ethics**

including e.g. dataset creation, benchmarks, training, sustainability, AI ethics

## **Explainability & Theory**

including e.g. physics-informed AI, integration of physics and ML, explainable AI, symbolic regression

## **Foundation Models**

including e.g. foundation models & conversational AI, transformers for LLMs

## **Hardware & Design**

including e.g. hardware innovations, experimental design

## **Inference & Uncertainty**

including e.g. simulation-based inference, variational inference, unfolding, uncertainty quantification

## **Patterns & Anomalies**

including e.g. pattern recognition, image analysis, anomaly detection

## **Real-Time Data Processing**

including e.g. fast ML inference for real-time data processing, hardware acceleration, FPGAs

## **Simulations & Generative Models**

including e.g. generative models, simulation of physical systems

## **Other**

anything that does not fit into the above categories