



Funded by
the European Union
NextGenerationEU



Ministero
dell'Università
e della Ricerca



Italiadomani
PIANO NAZIONALE
DI RIPRESA E RESILIENZA

GENERAL CONFERENCE ROME 10/12 DEC 2025

Congress Center
Precise House
Mantegna Hotel
Via A. Mantegna 130 Rome



Future
Artificial
Intelligence
Research

**GENERAL
CONFERENCE
ROME
10/12 DEC**



**PRELIMINARY AGENDA
WEDNESDAY, DECEMBER 10TH**

from 9.30 **Welcome coffee and registration**

10.45 **Auditorium - Opening**

Giuseppe De Pietro, FAIR Foundation President
Marta Rapallini, FAIR Program Manager

11 - 12.45 **Auditorium - AI and Italy's future**



**Live on ansa.it - hosted by Alessio Jacona
(Osservatorio sull'IA - ANSA)**

Maria Alessandra Gallone, Special Advisor to the Minister of University and Research

Onorevole Paolo Zangrillo, Minister for the Public Administration ([invited](#))

Giuseppe De Pietro, FAIR Foundation President

Marco Conti, FAIR Technical-Scientific Committee President

Gianluigi Greco, Università della Calabria

Mario Nobile, AGID

Anna Corrado, Minister of Infrastructure and Transports

Paolo Traverso, Fondazione Bruno Kessler

Rita Cucchiara, Università di Modena e Reggio Emilia

Nicolò Cesa- Bianchi, Università degli studi di Milano

Laura Lunghi, Intesa San Paolo

Paolo Soda, Università Campus Biomedico di Roma

Alberto Barachini, Undersecretary to the Presidency of the Council of Ministers

13 **Lunch**

14.15 - 16 **Spotlight on FAIR's scientific results - parallel sessions**

Room 4A | AI applications - Chair: Concetto Spampinato

Andrea Lingua (Politecnico di Torino), Conoscere gli ambienti sottomarini con l'intelligenza artificiale: il caso della Posidonia oceanica per la mitigazione dei cambiamenti climatici

GENERAL
CONFERENCE
ROME
10/12 DEC



PRELIMINARY AGENDA WEDNESDAY, DECEMBER 10TH

Michelangelo Ceci (Università degli Studi di Bari Aldo Moro), IMMENSE:

Inductive Multi-perspective User Classification in Social Networks

Francesco Balzan (Alma Mater Studiorum Università di Bologna),

DIDAFLOW: AI-Driven Educational Analytics for Personalized and Trustworthy Learning

Pangcheng David Cen Cheng (Politecnico di Torino), Mobile manipulator's reachability space analysis to improve pick-and-place applications

Fabio Rossi (INFN), AI-based Streaming Readout data acquisition in High Energy Physics: a use-case by INFN in FAIRS6

Paolo Arena (Università di Catania), Insect-inspired visual navigation in unstructured terrains

Room 3A | Multimodal - Chair: Massimo Esposito

Indro Spinelli (Sapienza Università di Roma), MonSTeR: a Unified Model for Motion, Scene, Text Retrieval

Gabriella Pasi (Università degli Studi di Milano-Bicocca), Denoising attention for context adaptation

Elisa Ricci (Università di Trento), Towards Trustworthy AI: Unlearning, Bias Detection, and Privacy Leakage mitigation in the era of Multimodal Large Language Models

Tatiana Tommasi (Politecnico di Torino), Efficient Learning, Unlearning, and Transferring for Vision and Language Models

Daniela Giorgi (CNR-ISTI), 3D modeling, design and editing: from architecture to the natural world

Daniela Giordano (Università di Catania), SeeingSounds: Learning Audio-to-Visual Alignment via Text

Room 4B | Symbolic AI - Chair: Paolo Traverso

Gianvincenzo Alfano (Università della Calabria), Featured Argumentation Framework: Semantics and Complexity

Antonella Poggi (Sapienza Università di Roma), Querying RDFS Knowledge Graphs

Aniello Murano (Università degli studi di Napoli "Federico II"), Playing Quantitative Games Against an Authority: On the Module Checking Problem

GENERAL
CONFERENCE
ROME
10/12 DEC



PRELIMINARY AGENDA
WEDNESDAY, DECEMBER 10TH

Massimiliano Ronzani (Fondazione Bruno Kessler), Capturing, Aligning, and Exploiting Multi-Perspective Knowledge in Temporal Domains with Hybrid AI

Elena Bellodi (Università degli Studi di Ferrara), Neuro-symbolic machine learning: the AIR Project

Luciano Serafini, Leonardo Lamanna (Fondazione Bruno Kessler), Online Learning of Object-Centric Symbolic Models in Partially Observable Environments

Room 4C | Tutorial

Dipanwita Thakur (Università della Calabria), Green Federated Learning: Principles, Architectures, and Tools for Sustainable and Decentralized AI

Room 4D | A gentle use of AI

Gian-Luigi Ferrari (Università degli Studi di Pisa), Emozionabili: IA generativa tra emozioni, racconti, musica e sicurezza dei dati personali

16 - 16.30 **Foyer - Poster session - Italian National PhD Program in AI**

16.30 - 18 **Spotlight on FAIR's scientific results - parallel sessions**

Room 4A | Green and efficient AI - Chair: Francesco Scarcello

Simona Nisticò (Università della Calabria), Explaining evolving outliers for uncovering key aspects of the green comparative advantage

Paolo Trunfio (Università della Calabria), Interpretable Energy Estimation for Edge AI Applications

Luciano Prono (Politecnico di Torino), Vanishing Contributions: A Unified Approach to Smoothly Transition Neural Models into Compressed Form

Stefania Costantini (Università degli studi de L'Aquila), Epistemic Logic Meets Logic Programming for Environmentally Aware Agents in Dynamic Settings

Cosimo Vinci (Università del Salento), Green Awareness in Smart Mobility

**GENERAL
CONFERENCE
ROME
10/12 DEC**



**PRELIMINARY AGENDA
WEDNESDAY, DECEMBER 10TH**

16.30 - 18

Room 3A | Explainable AI and Human-computer Interaction

Chair: Dino Pedreschi

Salvatore Rinzivillo (CNR-ISTI), XAI platform: the FAIR way to eXplainable AI

Chiara Boldrini (CNR-IIT) - Francesco Marcelloni (Università degli studi di Pisa), Towards Robust federated learning of Explainable AI systems

Giovanna Sannino (CNR-ICAR), Strumenti per un'Intelligenza Artificiale Spiegabile e Interpretabile

Luca Pappalardo (CNR-ISTI), Human-AI coevolution: a path forward for AI research

Bruno Lepri (Fondazione Bruno Kessler), Building AI systems that learn and cooperate with humans

Room 4B | AI for health - Chair: Giuseppina Andresini

Giovanna Castellano (Università degli Studi di Bari Aldo Moro), Symbiotic AI for Contactless Blood Pressure Estimation through Video-based PPG and Deep Learning

Francesca Lizzi, Alessandra Retico (INFN), Multi-input DL models for medical image analysis: use cases focused on brain MRI

Paolo Soda (Università Campus Biomedico di Roma), XGeM: a vision language model for radiology

Federica Proietto Salanitri (Università di Catania), Privacy-preserving federated learning for Medical Image Analysis

Room 4C | Tutorial

Luca Iocchi (Sapienza Università di Roma), Exploiting Robot Abstractions in Episodic RL via Reward Shaping and Heuristics

18 - 18.30

Foyer - Poster session - Italian National PhD Program in AI

19.30

Welcome cocktail

GENERAL
CONFERENCE
ROME
10/12 DEC



PRELIMINARY AGENDA
THURSDAY, DECEMBER 11TH

from 9.30 to 18

Rooms 3B - Showcase of the Companies Awarded in the FAIR Cascade Calls

from 9.30 to 11.30

Room 3A - Spotlight on FAIR's results - Cascade Calls Companies

9.30 - 11

Spotlight on FAIR's scientific results - parallel sessions

Room 4A | Machine Learning

Fabio Patrizi (Sapienza Università di Roma), Model-based Reinforcement Learning for Non-Markovian Reward Decision Processes
Francesco Vaccarino (Politecnico di Torino), Topology and Geometry of ReLU Learning Spaces

Nicola Gatti (Politecnico di Milano), Hybridizing Game Theory and Machine Learning for Persuasion

Nicolò Cesa-Bianchi (Università degli studi di Milano), Regret, Games and Boosting: a Reverie of Gambles and Bounds

Room 4B | AI: ethical and legal aspects - Chair: Carlo Casonato

Anna Monreale (Università degli studi di Pisa), Balancing Privacy, Utility, and Fairness in high-risk domains

Giovanna De Minico (Università degli studi di Napoli "Federico II"), IA verso un nuovo modello di "regulation"

Francesca Alessandra Lisi (Università degli Studi di Bari Aldo Moro), Operationalizing Machine Ethics: From Principles to Practice

Marco Billi, Antonino Rotolo (Alma Mater Studiorum Università di Bologna), Risk Models and Conformity Assessment Acceleration in AI Regulatory Sandboxes

Rosa Lanzilotti (Università degli Studi di Bari Aldo Moro), Towards the Creation of Legally Compliant Symbiotic AI Systems

Room 4C | Tutorial

Vincenzo Pasquadibisceglie (Università degli Studi di Bari Aldo Moro), Data-centric AI: a gentle introduction

Room 4D | Tutorial

Gizem Gezici (Scuola Normale Superiore), Trustworthy LLMs and Responsible Generative AI

**GENERAL
CONFERENCE
ROME
10/12 DEC**



**PRELIMINARY AGENDA
THURSDAY, DECEMBER 11TH**

11 - 11.30 **Foyer - Poster session FAIR young researchers**

11.30 - 13 **Auditorium - Industry panel**

Onorevole Adolfo Urso, Minister of Enterprises and Made in Italy

Giuseppe De Pietro, FAIR Foundation President

Fabrizio Cobis, Minister of University and Research

Giuseppe Di Franco, CEO Lutech Group

Fabio Tedoldi, Head of Bracco Global R&D

Stefano Spaggiari, Co-founder Expert.ai

Dario Costantini, CNA President (invited)

Francesco De Santis, Vicepresident, Confindustria (invited)

Cristian Camisa, Presidente Confapi (invited)

13.15 - 14.30 **Lunch**

15 - 16.30 **Room 3A - Spotlight on FAIR's results - Cascade Calls Companies**

15 - 16.30 **Spotlight on FAIR's scientific results - parallel sessions**

Room 4A | Machine Learning - Chair: Nicola Gatti

Matteo Negri, Alberto Fachechi (Sapienza Università di Roma), From Early-Stopping to Daydreaming: Unlocking Surprising Learning Strategies with Hopfield Networks

Vladimir Kostic (Istituto Italiano di Tecnologia), Data-Driven Modeling of Dynamical Systems

Andrea Celli (Università Bocconi), Single dimensional contract design

Alessandro Russo, Angelo Oddi (CNR-ISTC), Neurosymbolic context engineering with active inference in robotics and collective decision making

Marcello Restelli (Politecnico di Milano), Enhancing Diversity In Parallel Agents: A Maximum State Entropy Exploration Story

**GENERAL
CONFERENCE
ROME
10/12 DEC**



**PRELIMINARY AGENDA
THURSDAY, DECEMBER 11TH**

Room 4B | LLM - Carlo Sansone

Roberto Navigli (Sapienza Università di Roma), Minerva: Building Italy's First Native LLM - Lessons from Pretraining and Continual Learning on Control, Context, Culture, and Safety

Alessandro Lenci (Università degli studi di Pisa), Benchmarking LLMs: From FAIR into the Future

Bernardo Magnini (Fondazione Bruno Kessler), Benchmarking Large Language Models for Italian

Sergio Di Martino (Università degli studi di Napoli "Federico II"), **Fabio Palomba (Università degli studi di Salerno)**, LLM-Based Automation of COSMIC Functional Size Measurement From Use Cases

Room 4C | Tutorial

Federica Arrigoni, Luca Magri (Politecnico di Milano), Inside Plato's door: a tour in Multi-view Geometry

Room 4D | Tutorial

Luciano Serafini (Fondazione Bruno Kessler), Neuro-Symbolic Artificial Intelligence (On Combining Neural Networks with Logical systems)

16.30 - 17 **Foyer - Poster session FAIR young researchers**

17 - 18.15 **Auditorium - FAIR Acceleration Program - investor pitch**

18.15 - 19.30 **Auditorium - Work Programme 2026-2027 - Cluster4**
Fosca Giannotti (SNS), **Michela Milano (Alma Mater Studiorum Università di Bologna)**
a seguire Town hall meeting

20.30 **Dinner**

**GENERAL
CONFERENCE
ROME
10/12 DEC**



**PRELIMINARY AGENDA
FRIDAY, DECEMBER 12TH**

09.30 Greetings from Andrea Lenzi, President of the National Research Council

following **Perspectives on italian AI - FAIR and the post-PNRR**

Giuseppe De Pietro, FAIR Foundation President

Marta Rapallini, FAIR Program Manager

Pierluigi Contucci, Alma Mater Studiorum Università di Bologna

Concetto Spampinato, Università di Catania

Nicu Sebe, Università di Trento

Nicola Gatti, Politecnico di Milano

ore 11 - 11.30 **Coffee break**

ore 11.30 - 12.45 **Invited keynote speech**
Fundamentals of Applied AI - Samuel Kaski, ELLIS Finland

ore 13 - 14 **Lunch**

ore 14 - 15 **Closing remarks**
Giorgio Parisi, Sapienza Università di Roma
Giuseppe De Pietro, FAIR Foundation President