

# FAIR Spoke Workshop 2025

SCHEDULE

**April 7-8, 2025**

**Bari**

Università di Bari Aldo Moro  
Dipartimento di Informatica  
Via Orabona 4  
Aula Magna



Symbiotic AI



# 2nd Year Workshop

Monday, April 07

8.30 – 9.00 **Registration**

9.00 – 09.20 **Institutional Welcome**

Stefano Bronzini (Rettore Università degli Studi di Bari Aldo Moro)

Filippo Lanubile (Direttore Dipartimento di Informatica)

Vito Manzari (Direttore Sezione INFN di Bari)

09.20 – 09.50 **Spoke 6 "Symbiotic AI" : Progress Report**

(Donato Malerba, Università degli Studi di Bari Aldo Moro)

## **ACADEMIC TRACK**

09.50 – 10.40 **WP6.1 Design of Symbiotic AI Systems** (Chair: Nicole Novielli)

- **Perspectives from Project Partners** (20 minutes)  
**Enhancing Human-AI Collaboration in Software Engineering through Emotion Awareness and AI-enabled Process Automation** (Luigi Quaranta)
- **Perspectives from Academic Cascade Call Winners** (20 minutes)  
**HARMONISE - Human-AI Relationship Management for Optimized Neurodevelopmental Intervention and Supportive Education** (Mafalda Ingenito)
- **Discussion** (10 minutes)

10.40 – 11.00 **Coffee break**

11.10 – 12.00 **WP6.2 Human understanding capabilities of Symbiotic AI systems**

(Chair: Giovanni Semeraro)

- **Perspectives from Project Partners** (20 minutes)  
**LLaMAntino: an open-weight family of Large Language Models for the Italian language** (Marco Polignano)
- **Perspectives from Academic Cascade Call Winners** (20 minutes)  
**EmotIKON - Emotional Inferences through Knowledge-based biO-signal miNing** (Davide Loconte)
- **Discussion** (10 minutes)

12.00 – 12.50 **WP6.3 User input for SAI systems performance** (Chair: Claudia d'Amato)

- **Perspectives from Project Partners** (20 minutes)  
**LP-DIXIT: a unified algorithmic evaluation protocol for assessing the utility of explanations to link predictions from the user perspective** (Zafar Saeed)
- **Perspectives from Academic Cascade Call Winners** (20 minutes)  
**ePANSA - Enhancing Personal Assistants with Neuro-Symbolic AI and Knowledge Graphs** (Tommaso Di Noia)
- **Discussion** (10 minutes)

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Monday, April 07

12.50-14.10 **POSTER SESSION + Lunch Break** (presentations by RTD-A, Assegnisti, PhD not presented during the Workshop)

14.10 – 14.30 **WP6.4 Understandability of AI systems** (Chair: Giovanna Castellano)

- **Perspectives from Project Partners** (20 minutes)  
**A symbiotic system for real-time estimation of vital parameters and cardiovascular risk assessment** (Gianluca Zaza)

14.30 – 16.00 **WP6.5 Acceptability of SAI** (Chair: Francesca Alessandra Lisi)

- **Perspectives from Project Partners** (20 minutes)  
**Operationalizing SAI Ethics** (Abeer Dyoub)
- **Perspectives from Academic Cascade Call Winners** (20 minutes each)  
**PR\_VAI - Prevention and Repression of Violence with Artificial Intelligence** (Tiziana Quarto, Gianluigi Serio)  
**JT-RAIL - JUSTICE&TECH: THE RULE OF ARTIFICIAL INTELLIGENCE IN LAW** (Alberto Scerbo)  
**e-Def-AI - Ethical Design for AI** (Paolo Baldi)
- **Discussion** (10 minutes)

16.00 – 16.30 **Coffee break**

16.30 – 17.20 **WP6.6 Sustainability of Symbiotic AI** (Chair: Michelangelo Ceci)

- **Perspectives from Project Partners** (20 minutes)  
**Distributed Heterogeneous Transfer Learning** (Paolo Mignone)
- **Perspectives from Academic Cascade Call Winners** (20 minutes)  
**DELTA-CORE - Deep Learning Model Training And Compression for Resource-Constrained Environments** (Massimo Cafaro)
- **Discussion** (10 minutes)

17.20 – 18.10 **WP6.7 Infrastructure and large-scale solutions** (Chair: Domenico Elia)

- **Perspectives from Project Partners** (20 minutes)  
**Symbiotic AI in Action: High-Energy Physics legacy of Large-Scale Computing Infrastructures and ML solutions** (Maria Teresa Camerlingo)
- **Perspectives from Academic Cascade Call Winners** (20 minutes)  
**GANDEEP - Exploring the Potential of Synergetic GANs in Research and Industry** (Annalisa Mastroserio)  
**ADAPTIVE-AI - A feDerAted learning aPproach To ImproVe Edge-based AI in iot-aware pervasive environments** (Teodoro Montanaro)
- **Discussion** (10 minutes)

# 2nd Year Workshop

Tuesday, April 08

8.30 – 9.00 **Registration**

9.00 – 09.10 **Opening** (Donato Malerba, Università degli Studi di Bari Aldo Moro)

## INDUSTRIAL TRACK

09.10 – 10.50 **WP6.8 Experiment case studies/use cases/pilots in challenging domains**  
(Chair: Donato Impedovo)

- **Perspectives from Project Partners** (20 minutes)  
**Symbiotic AI use cases in real world scenarios** (Vincenzo Dentamaro)
- **Perspectives from Innovation Grant Winners** (20 minutes)  
**SYMBAH - Symbiotic AI for Healthcare** (Giuseppe Lamanna)
- **Perspectives from Industrial Cascade Call Winners** (15 minutes each)  
**COBIAS - COBot integrato con modelli di IA simbiotica per la carteggiatura ottimizzata di Superfici freeform** (Emanuele Cannella)  
**GAINRISE - GEN-AI FOR NOVEL RESPONSIVE INTERFACES AND SYMBIOTIC EXPERIENCE** (Luigi Russo)  
**JMHR - Joint Mission Human Robot** (Adolfo Santoro)
- **Discussion** (15 minutes)

10.50 – 11.20 **Coffee break**

11.20 – 12.50 **WP6.8 Experiment case studies/use cases/pilots in challenging domains**  
(Chair: Donato Impedovo)

- **Perspectives from Industrial Cascade Call Winners** (15 minutes each)  
**SAI4EO - Symbiotic Artificial Intelligence for Earth Observation** (Nicolò Taggio)  
**SICURA - Symbiotic AI for drUG interactions Assessment** (Maria Pia di Buono)  
**SKAI - Symbiotic Knowledge Co-Creation AI Framework** (Danilo Martino)  
**SYMAIBOT - Ottimizzazione collaborazione uomo-macchina: framework per la gestione di robot antropomorfi/zoomorfi con intelligenza artificiale simbiotica** (Mariacarla Staffa)  
**VASARI - Virtual reAlity and Simbiotic ARTificial intelligence in Industrial operation simulation** (Francesco Infante)
- **Discussion** (15 minutes)

12.50 – 13.00 **Closing**