

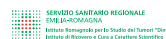
December, 13th 2023

8.30-12.30

HEALTHCARE CLAIMS FUTURE:

Navigating the landscape of Federated Learning in healthcare

Campus di Cesena - Università degli studi di Bologna
Via Cesare Pavese, 50 - Cesena



con il patrocinio di



HEALTHCARE CLAIMS FUTURE:

Navigating the landscape of Federated Learning in healthcare

“Healthcare Claims Future: navigating the landscape of Federated Learning in healthcare” is a free conference dedicated to exploring the prospects of Federated Learning (FL) in the healthcare sector, with a specific focus on its relevance to European initiatives.

The conference aims to provide a **comprehensive overview of the applications and challenges of FL in managing healthcare information**, aligning with the objectives of funded projects. We will examine **how FL can revolutionize the collection and analysis of distributed medical data** while ensuring security and privacy. The conference seeks to **educate students and professionals about the revolutionary evolution of FL in the healthcare context** within the framework of European initiatives.

Scientific Committee

Prof. Antonella Carbonaro

Associated professor in Computer Science at University of Bologna - Italy

Dr. Nicola Gentili

Data Unit Manager IRST - IRCCS - Italy

Dr. Jaime Loureiro Acuña

Head of Secure Information Processing – Gradiant - Spain

Dr. Jan Ramon

Senior researcher MAGNET group INRIA-Lille - France

Dr. Francesco Ghini

Dissemination Manager – IRST - IRCCS - Italy

AGENDA

Chairman: **Dott.ssa Sara Montagna** – *University of Urbino Carlo Bo*
Dr. Nicola Gentili – *Data Unit Manager IRST - IRCCS*

8.30 – 9.00	Registration	
9.00 – 9.15	Welcome	Prof. Massimo Cicognani <i>President Campus of Cesena</i> Enzo Lattuca <i>Mayor of Cesena (TBC)</i> Lorenzo Stefano Maffioli <i>General Director IRST – IRCCS</i>
9.15 – 9.45	In the line of fire: understanding threats in Federated Learning	Dr. Alberto Pedrouzo Ulloa <i>AtlantTic Research Center - Spain</i>
9.45 – 10.05	Addressing privacy challenges in collaborative AI Model Training: fortifying federated learning through TRUMPET project	Dr. Jaime Loureiro Acuña <i>Head of Secure Information Processing – GRADIANT – Spain</i>
10.05 – 10.25	Challenges and benefits of cross- border statistical models	Dr. Jan Ramon <i>Senior researcher MAGNET group INRIA-Lille France</i>
10.25 – 10.45	Leveraging confidential computing technologies for secure medical image processing: the Encrypt initiative	Prof. Salvatore D'Antonio <i>Associate Professor at University of Naples, Parthenope/ Co-founder of Trust Up</i>
10.45 – 11.00	NETWORKING & COFFEE BREAK	

11.00 - 11.20

Improving clinical practice: Unveiling the potential of AI tools

Dr. Olga Mendez

*Molecular and cellular biologists
Vall d'Hebron Institute of Research*

11.20 – 11.40

Revolutionizing Healthcare: exploring the synergy of digital twin and AI applications

Dr. Samuele Burattini

University of Bologna (Computer Science)

11.40 – 12.00

DARE: DigitAI lifelong pRevEntion

Prof. Lorenzo Chiari

Professor of Biomedical Engineering University of Bologna

12.00 – 12.30

Wrapping it up: insights from the round table discussion

Prof. Antonella Carbonaro

Computer Science – University of Bologna (TBC)

Dott.ssa Sara Montagna

University of Urbino Carlo Bo

Dr. Inés Ortega Fernández

*Technical Manager (Gradiant)
Spain*

Dr. Andrea Prochowsky, MD

IRST – IRCCS Italy