

Third Doctoral Summer School in Data Science, Accounting & Management

on

Artificial Intelligence: Opportunities, Perspectives, and Risks in Science and Technology, Biomedicine, Management and Economics, Political and Social Sciences, and Global Security

Cambridge, UK July 6-11, 2025

Department of Computer Science and Technology & Wolfson College, University of Cambridge

Directors

Roberto Tagliaferri, University of Salerno

Prof. Pietro Liò, University of Cambridge and University of Rome “La Sapienza”

Organization Institutions:

Department of Computer Science, University of Cambridge, UK

Department of Management & Innovation, University of Salerno, Italy

DCU Business School, Dublin City University, Ireland

Department of Medical and Surgical Sciences, University of Catanzaro “Magna Graecia”, Italy

Department of Neurosciences, Imaging and Clinical Sciences, University "G. d'Annunzio" Chieti – Pescara, Italy

Department of Sciences and Technologies, University of Naples “Parthenope”, Italy

Department of Statistics, Informatics and Mathematics, Public University of Navarra, Spain

J.E. Cairnes School of Business & Economics, College of Business, Public Policy and Law, University of Galway, Ireland

Navarra Artificial Intelligence Research Center, Pamplona, Spain

Department of Statistics, University of Warwick (to be confirmed), UK

Centre for Digital Innovation, Teesside University, School of Computing, Engineering & Digital Technologies (to be confirmed), UK

Scientific & Organizing Committee

Francesco Bardozzo, University of Salerno, Italy

Mario Cannataro, University of Catanzaro “Magna Graecia”, Italy

Rosaria Cerrone, University of Salerno, Italy

Angelo Ciaramella, University of Naples “Parthenope”, Italy

John Cullinan, University of Galway, Ireland

Marisol Gomez Fernandez, Public University of Navarra & Navarra Artificial Intelligence Research Center, Spain

Theo Lynn, Dublin City University, Ireland

Ornella Malandrino, University of Salerno, Italy

Carlos Lopez Molina, Public University of Navarra, Spain

Giovanni Montana, University of Warwick, UK

Annalisa Occhipinti, Teesside University, UK

Riccardo Palumbo, University "G. d'Annunzio" Chieti – Pescara, Italy

Pierangelo Rosati, University of Galway, Ireland

Maria Rosaria Sessa, University of Salerno, Italy

Antonino Staiano, University of Naples “Parthenope”, Italy

Local Organizing Committee

Gerardo Ferrentino, University of Salerno

Riccardo Tipaldi, University of Salerno

Preliminary programme

July 6, 2025

Arrival & dinner, by 6 p.m.

Wolfson College, University of Cambridge

July, 7

9.00-12.30

Lectures

Wolfson College

14.30-18.00

Lectures

Department of Computer Science, University of Cambridge

July, 8

9.00-12.30

Lectures

Wolfson College

14.30-18.00

Lectures

Department of Computer Science, University of Cambridge

July, 9

9.00-12.30

Lectures

Department of Computer Science, University of Cambridge

July, 10

9.00-12.30

Lectures

Wolfson College

14.30-18.00

Lectures

Department of Computer Science, University of Cambridge

July, 11

10.00-11.30

Lectures

Wolfson College

Objectives:

The interdisciplinary summer school titled Artificial Intelligence: Opportunities, Perspectives, and Risks in Science and Technology, Biomedicine, Management and Economics, Political and Social Sciences, and Global Security aims to:

Foster interdisciplinary understanding of the transformative potential and challenges of Artificial Intelligence (AI) across diverse fields, including science and technology, biomedicine, management, political and social sciences, and global security.

Promote critical analysis of the ethical, societal, and economic implications of AI applications, fostering a balanced perspective on its benefits and risks.

Provide advanced methodological approaches to integrate AI into academic research, emphasizing innovative and rigorous frameworks for addressing complex problems.

Encourage collaboration and networking among PhD students and experts from different disciplines to address AI-driven challenges through a multidisciplinary approach.

Enhance awareness of policy, governance, and security concerns associated with AI, preparing participants to contribute to the development of responsible and sustainable AI solutions.

Why Should You Attend?

This summer school offers a unique opportunity for PhD students from diverse disciplines to explore the transformative impact of Artificial Intelligence (AI) on their fields of study. Here's why you should join:

Science and Technology Students: Gain insights into cutting-edge AI methodologies and their applications, enhancing your ability to innovate and solve complex technical problems.

Biomedicine Students: Discover how AI is revolutionizing healthcare, from personalized medicine to diagnostics, and learn how to integrate these tools into your research.

Management and Economics Students: Explore how AI is reshaping business strategies, economic modeling, and decision-making processes, preparing you for leadership in a data-driven world.

Political and Social Sciences Students: Examine the societal implications of AI, including governance, ethics, and policy, to critically assess its role in shaping global and local dynamics.

Global Security Students: Understand the risks and opportunities of AI in security, from cybersecurity to geopolitical strategies, equipping you to address emerging challenges.

By attending, you will not only expand your knowledge but also connect with peers and experts across disciplines, fostering collaborations that will empower you to tackle interdisciplinary challenges in your research and beyond. This is your chance to become part of a forward-thinking academic community driving innovation and responsible AI use.

Provisional schedule of lessons

Prof. Claudio Angione, Teesside University, “TBD”

Dr. Francesco Bardozzo, University of Salerno, “TBD”

Prof. Angelo Ciaramella, University of Naples “Parthenope”, “Explainable AI (XAI)”

Prof. Marisol Gomez Fernandez, Public University of Navarra, “TBD”

Dr. Mona Isazad Mashinchi, University of Galway, “Ethics in AI”, “AI in healthcare”

Prof. Pietro Liò, University of Cambridge, “TBD”

Prof. Carlos Lopez Molina, Public University of Navarra, “TBD”

Prof. Theo Lynn, Dublin City University, “Trust and AI”

Prof. Annalisa Occhipinti, Teesside University, “TBD”

Prof. Antonino Staiano, University of Naples “Parthenope”, “AI in Agrifood and Environment”

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Some details regarding accommodation and meals at Wolfson College:

Accommodation:

- Single ensuite rooms: £65.00 + VAT (20%) per night, per person.

Meals:

- Breakfast at Wolfson College: £12.50 + VAT (20%) per person.
- Dinner at Wolfson College: £16.00 + VAT (20%) per person.
- Lunch £ 16.00 + VAT (20%) per person.

Please note that on 9th July, lunch and dinner services will not be available at the college. The total cost per student from the afternoon of 6th July to lunch on 11th July (but lunch and dinner of 9th July) is approximately £618.6 (~€750).