

# Our Speaker



## Riccardo PATRIARCA

### Current Position & Organization

Mr. Riccardo currently serves as an Associate Professor in Industrial Systems Engineering at Sapienza University of Rome, specifically within the Faculty of Civil and Industrial Engineering. In this academic role, he leads research and instructional efforts focused on the intersection of engineering and management. Beyond his university tenure, he maintains a significant professional presence in the private sector as a key member of aiComply, a Sapienza spin-off that specializes in risk and compliance management alongside the development of advanced intelligent data systems.

### Educational & Professional Background

His academic journey began with a foundation in Classical Studies, where he focused on Greek, Latin, and Philosophy before pivoting to technical sciences. He earned his BSc in Aerospace Engineering followed by an MSc in Aeronautical Engineering. In 2017, he was awarded the title of Doctor Europaeus (PhD) in Industrial and Management Engineering after defending a thesis on the evolution of risk and safety management. During his doctoral studies, he conducted joint research with Lund University and later served as a PhD intern at Eurocontrol Headquarters in Brussels, where he worked within the Network Management Directorate to model airspace safety performance.

### Key Achievements or Career Highlights

Riccardo's career is marked by substantial academic output and elite recognition. He has authored or co-authored more than 150 manuscripts in peer-reviewed journals and international proceedings and serves on the editorial boards of top-tier publications like Safety Science and Reliability Engineering and System Safety. His excellence has been recognized globally; in 2019, he was named to the Forbes 30 Under 30 list in the "Science and Healthcare" category and identified as one of the 100 Italian Young Leaders of the Future. His earlier accolades include the Royal Aeronautical Society Young Person Award in 2017 and the Premio Italia Giovane in 2019.

### Motivation

Riccardo is driven by the challenge of managing complex socio-technical systems and the shift from traditional Newtonian reasoning toward the principles of Resilience Engineering. His work is motivated by a desire to improve safety, reliability, and maintenance across critical infrastructures, including Air Traffic Management and industrial plants. He aims to bridge the gap between high-level epistemological theory and practical operational safety, ensuring that modern transportation and industrial systems can withstand and adapt to unforeseen risks.