



POLITECNICO | DEPARTMENT OF ELECTRONICS
MILANO 1863 | INFORMATION AND BIOENGINEERING

Behind the scenes of communications networks

a talk with Marco Zangani, Director of Network Strategy
and Architecture, Vodafone Networks

May 14, 2025 – 5:30pm

Politecnico di Milano

Room Alpha, building 24 via Golgi, 40 - Milano



Telecommunication networks are among the most complex and critical infrastructures of our time. They support everything from everyday mobile connectivity to the digital transformation of entire industries. Managing these systems requires a delicate balance of innovation, scalability, and reliability. In this talk, Marco Zangani – Director of Network Strategy and Architecture at Vodafone Networks – will take students behind the scenes of one of Europe's largest network operators. With many years of experience in shaping the evolution of mobile and fixed network infrastructures, he will explore key challenges and future directions in the field.

Topics will include:

- The architecture and strategy behind modern communication networks
- How innovation drives the development of next-generation infrastructures (e.g. 5G, OpenRAN, edge computing)
- Balancing performance, sustainability, and cost-efficiency in network planning
- Security and resilience in the face of growing cyber threats
- The role of AI and automation in managing network complexity
- Career paths and opportunities in the telecom sector

This is a unique opportunity to gain insight into the hidden layers of the systems we rely on every day – and to hear directly from one of the people helping to shape their future.