

Micaela Demichela is Full Professor at the Politecnico di Torino, Department of Applied Science and Technology, in the area of *Theory of Chemical Process Development*. Her research activity is centred on process safety and industrial risk analysis, with a particular focus on multi-risk assessment, systemic and probabilistic approaches, and risk-informed decision support for complex and interconnected industrial and infrastructure systems. She is a member of R3C – the Interdepartmental Center for Risk Analysis, Safety and Security at the Politecnico di Torino and is actively involved in the European Safety, Reliability and Data Association (ESReDA). Her work addresses the evolving boundaries of safety assessment, integrating technological, human, organisational and digital dimensions, as well as interactions between industrial systems, the environment and society. Through her research, she contributes to the development of methodologies supporting safety, security, resilience and sustainability, promoting a system-level perspective aligned with the emerging challenges of cyber-physical and data-informed industrial systems.