



## Summary

**Riccardo Santoro** (M) educated at Università di Roma La Sapienza and University of Texas at Austin in physics and computer science, respectively, joined Ferrovie dello Stato Italiane (FSI) in June 2002 after holding research and management positions with IBM, Debis Systemhaus / T-Systems (Deutsche Telekom), Axon Solutions Ltd, among others, leading as a systems architect large scale innovation projects for the automotive/aerospace and manufacturing industries.

## Current Position

He is currently Manager of Europe's Rail Joint Undertaking coordination and management in the FSI Group's Corporate Technology, Innovation and Digital organization, having previously served as manager Innovation Programs in the FSI Group's Corporate Strategy, Plans, Innovation and Sustainability organization, with responsibilities including the coordination of research, innovation and standardization programs in FSI Group with rail Industry Associations (UIC, CER, UNIFE, UITP), European Institutions (EURA, DG-MOVE, DG-RESEARCH), and Universities. He leads experimental prototyping projects in the FSI Group in the fields of semantic interoperability, artificial intelligence and robotic applications as part of the Group's digital transformation strategy encompassing the provision of mobility as a service, autonomous train operations, energy management and sustainability, intelligent vehicles and assets maintenance.

He is the current chairman of the UIC's Research and Innovation Coordination Group.

## Previous positions (1988-2002)

He has worked in applied research in IBM's Manufacturing Plants and Research Institutions in the USA (Austin TX, Rochester MN, Poughkeepsie NY, Yorktown NY), and collaborated with the Industrial Engineering chair of the Faculty of Engineering at the Università di Roma "Tor Vergata", particularly in the field of neural network and fuzzy logic advanced applications for optimization and decision support systems for Supply Chain Management of highly configurable production and logistics systems. In the course of this collaboration, he has taught seminars, tutored final year students and reviewed six graduation theses on large scale production system design and optimization incorporating advanced ICT solutions. Reviewed two additional doctoral theses on the economics of industrial district networks of small and medium enterprises coordinating activities through electronic transactions, and on the advanced artificial intelligence detection of 'deterministic chaotic' systems dynamics in extended supply chains, both with the Università di Roma "La Sapienza".

As a consultant and e-business Program Manager with IBM Global Network and Axon Solutions Ltd, he has designed and coordinated the implementation of several "ERP" systems for Multinational IBM or Axon Solution's accounts in the automotive/aerospace, oil and gas and food processing and packaging industries.