Alberto Cavallo, bio & publications

Alberto Cavallo	Alberto Cavallo is an electrical engineer, graduated from the Politecnico di Torino in 1985. He began his career designing electrical systems at Fiat Engineering, the engineering and construction company of the FIAT Group, soon moving to control and automation systems. He worked across all the business areas of the company: revamping and new car factories for the FIAT Group, large infrastructures, power and cogeneration plants for external clients. After Fiat Engineering became part of Maire and then merged into Tecnimont in Milan, he led the electrical and instrumentation engineering of large oil, gas and petrochemical projects all over the world, until his retirement in 2024. Alongside his profession he has always been active in cultural life: he is a member of the Alumni Association of the Liceo Classico Vittorio Alfieri of Turin and runs Eurinome, his Italian-language website on philosophy, science and geopolitics. Through it he met Adriano Autino and the web magazine Technologies of the Frontier, and became one of the founding members of Space Renaissance International (SRI). He is SRI Director of Intercultural Integration, leads the Energy and Philosophy areas of the Space Renaissance Academy and co-chaired the SRI 4th World Congress (2026).



Professional history (in brief)

- 1985 - MSc in Electrical Engineering, Politecnico di Torino
- 1986-1991 - Fiat Engineering: electrical engineer, design of electrical systems for car factories and civil premises
- 1991-1995 - Fiat Engineering: automation engineer, control systems and building management systems
- 1995-2005 - Maire Engineering (formerly Fiat Engineering): head of the Automation and Instrumentation Group
- 2005-2009 - Head of the Electrical and Instrumentation Department of the Turin office, merged into Tecnimont in 2008
- 2009-2013 - Tecnimont: head of the Electrical Department (about 50 people)
- 2013-2024 - Tecnimont, Milan: head of Electrical and Instrumentation Engineering
- 2024 - Retired from active engineering practice

Main projects

- New FIAT car factories in Melfi and Pratola Serra
- High-speed railways Torino-Milano and Bologna-Firenze
- District heating system of Torino Sud and the Lingotto exhibition centre in Turin
- Cogeneration plants for paper mills, utilities for car factories, combined cycle power plants of several hundred megawatts in Italy and Brazil
- Oil, gas and petrochemical plants worldwide
- 20 MW Biolevano biomass power plant (Lombardy), also the subject of a co-authored study in the Journal of Clean Energy Technologies

Space Renaissance International

- Founding member and co-founder of Space Renaissance International (2010); member of the Board of Directors
- Director of Intercultural Integration (elected at the 4th World Congress, July 2026)
- Leads the Energy and Philosophy areas of the Space Renaissance Academy; co-chair of the Space Tech & Industry Committee
- Co-chair of the SRI 4th World Congress "Quality of Life, on Earth and Beyond" (June 30th - July 4th, 2026), with Adriano V. Autino and Bernard Foing; moderator of the technology session "Engineering the Foundations of Life in Free Space"
- Speaker in the Space Renaissance Academy Webinar Series, including "Evolution and state of the art of launch systems" (February 2024)
- Represented Space Renaissance Italia at the 75th International Astronautical Congress, Milan, October 2024
- Co-organizer, with Technologies of the Frontier, of the conventions of Moncrivello (2006) and Belgirate (2008), where the Space Renaissance was born

Papers

- Adriano V. Autino, Alberto Cavallo, et Al - "SRIC4 Thesis 1 - Status of civilization and quality of life", Thesis 1 of the SRI 4th World Congress, July 2026
- Adriano V. Autino, Alberto Cavallo - "Is Universe a Dark Forest?", paper presented at the SRI 4th World Congress, July 2026
- Adriano V. Autino, Alberto Cavallo, Amalie Sinclair, Bernard Foing, Dennis O'Brien, Ghanim Alotaibi, Jerry Stone, Marie-Luise Heuser, Thomas Matula, Werner Grandl - "A SRI position paper on the key critical factors towards 2030 - a necessary mid-term actualization, 2 years after the 3rd SRI World Congress", February 2024
- Adriano V. Autino, Amalie Sinclair, Alberto Cavallo, et Al - "Congress Thesis 1 - Status of civilization and perspective of expansion into outer space", SRI 3rd World Congress, June 2021
- Co-author of a study on the 20 MW Biolevano biomass power plant, Journal of Clean Energy Technologies
- Essays and articles for Technologies of the Frontier, Space Renaissance International and Eurinome, including the series "Guerra senza fine" (Italian language) on the wars in Gaza and Iran

Books

- Adriano V. Autino (editor), Patrick Q. Collins, Alberto Cavallo - "Three Theses for the Space Renaissance" (book, 2011)
- Adriano V. Autino (editor), Patrick Q. Collins, Alberto Cavallo, Feng Hsu, Michael Martin-Smith, Arthur Woods, et Al - "The Space Renaissance Manifesto and other Founding Papers of the Space Renaissance International" (book)

Other affiliations

- Lifeboat Foundation: Engineering, Philosophy, Space Settlement and Sustainability Boards
- Alumni Association of the Liceo Classico Vittorio Alfieri, Turin

Eurinome - philosophy, science and geopolitics (Italian)
Alberto Cavallo on the Lifeboat Foundation website
LinkedIn