

Gianmario Arnulfi (Luigi) was born in Genoa (Italy) in 1958. In 1984 he got his degree "Dottore in Ingegneria Meccanica" (MSc Mechanical Engineering) at the University of Genoa (Italy). He is a registered professional engineer. From 1985 till 1989 he was an engineer at Fiat Auto SpA (Turin - Italy) Technical Department. From 1989 till 2000 he was a researcher (assistant professor) at University of Udine (Italy). Since 2000 he is an associate professor. From 1993/94 till 1995/96 he was a member of the Closed Cycles Committee - International Gas Turbine Institute (ASME). From 2004 till 2013 he was a member of the regional board of the Associazione Termotecnica Italiana (Italian Society of Heat Engineering).

He gives courses on: "Pumps, compressors, turbines and power plants" (BSc Mechanical Engineering); "Dynamics and control of turbomachinery and internal combustion engines" (MSc Mechanical Engineering). In charge of the Lab of "Hydraulics & Pneumatics".

At present he concentrates his research on energy storage systems (Compressed Air Energy Storage, Thermal Energy Storage gas Turbine Inlet Air Cooling, Battery) and natural gas storage stations. Previously he studied turbo compressors in off-design condition: performance degradation (fouling) or unsteady flow (stall and surge). He utilized both simulation (implicit methods) and experimental analysis (hot wire anemometry). He patented a device for surge passive control in compression systems.