



Dr. Massimiliano Pirani is currently research associate at the Polytechnic Marche University, in the field of Cybernetics and higher order Cybernetics. His major professional and academic experience and achievements are on intelligent automation and control of distributed embedded systems in industrial, construction, smart home, and consumer electronics sector. Recently his research interests have also covered management cybernetics, the cyber-physical systems of systems, multiagent systems, and extended artificial intelligence.

His initial **research interests** included identification of nonlinear systems, Higher Order Statistics, nonlinear signal processing, audio electronics, speech processing, loudspeaker systems enhancement. He worked as research manager and head of software departments in industrial and consumer electronics sectors.

He is **assistant researcher** at the Department of Information Engineering and current research interests are in industrial automation, industrial informatics, robotics, artificial intelligence, computing in embedded systems, Internet of Things, cyber-physical systems, multiagent systems, systems of systems.

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