

PERSONAL INFORMATION

Andrea Cataldo



Gender | Date of birth | Nationality

WORK EXPERIENCE

December 2002 - Present

Researcher

Institute of Industrial Technologies and Automation (ITIA) – National Research Council (CNR)

- Automatic control for industrial plants
- Dynamic simulators for industrial systems
- Control software programming for microcontrollers
- Technical-scientific evaluator for national R&D projects
- Lecturer in Industrial Automation and P&ID design modules at ITS Academy Lombardia Meccatronica
- Adjunct professor at University of Bergamo – Industrial Automation course (21052-1)

September 2004 - Present

Teaching activities

Università di Bergamo – Facoltà di Ingegneria

Course on Industrial Automation

October 2018 – July 2022

Teaching Activities

ITS Academy foundations

Lecturer in Industrial Automation modules

Director and lecturer of the ITS Sustainable Company 4.0 course at Fondazione Green (Vimercate - Mi)

Coordinator of ITS 4.0 projects promoted by the Ministry of Education

September 2002 – May 2017

Teaching Activities

Politecnico di Milano

Lectures on Industrial Automation

July 2002 – November 2002

Industrial researcher

Asea Brown Boveri (ABB) T&D division SACE

- Energy distribution grid protection systems

June 1998 – June 2002

Industrial researcher

Asea Brown Boveri (ABB) Corporate research centre

- Industrial control systems for process plants
- Plant dynamic simulation

October 1996 – May 1998

Control engineer

Foster Wheeler Italiana

Configuration of control systems for process plants

EDUCATION AND TRAINING

02 February 2017

PhD Information Technology

Model Predictive Control in Manufacturing Plants

20 October 1995

Electronic engineering

- Degree in Electronic engineering – automatic controls, Politecnico di Milano;
- Final grade: 96/100;
- Controllo di un prototipo di colonna di distillazione per miscela di acqua-alcohol, Automatic Control Laboratory DEIB – Politecnico di Milano.

September 2011

Qing certification 2° level

- Milan Order of Engineer - Qing Certification, 2° Level, Specialization in Research and development of Automatic Controls.

September 2001 – February 2002

ABB Passport – Lean Program

“ABB Passport – Lean Program”, SDA BOCCONI, (Planning & Control, Marketing, Finance, Business Technology Development, Human Resources, Project Management, Project Presentation).

June 1999

GAF

“Effective Presentation and Public Speaking” - Gesellschaft zur Ausbildung von Führungskräften (GAF) Management Institute.

January 1998 - Present

Engineer by profession

- Milan Order of Engineers.

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	400	430			
(TOEIC) C1					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- Good communication skills gained through my experience as scout chief.

Organisational / managerial skills

- Leadership (past years responsible of a control system laboratory in ITIA Vigevano plant location).

Computer skills

- Excellent command of Microsoft Office™ tools;
- Matlab / Simulink, LabView, SIMIO Discrete Event Simulator.

Driving licence

- B

ADDITIONAL INFORMATION

Projects
Honours and awards

- IMET2AL (IEIIT - CNR, ITIA – CNR, DEIB POLIMI);
- Certificate of Public Merit from Presidency of the Council of Ministers - Department of Civil Protection - to witness the work and commitment provided in the performance of activities related to the events of the Civil Protection.

Avvalendomi delle disposizioni di cui agli artt. 46 e 47 del DPR 445/2000 dichiaro sotto la mia responsabilità che quanto sopra riportato risulta essere vero e dichiaro inoltre di essere consapevole delle sanzioni penali ed amministrative, ai sensi degli artt. 75 e 76 del citato DPR 445/200, in caso di dichiarazioni mendaci e di formazione od uso di atti falsi.

Cologno Monzese
01/04/2025

Andrea Cataldo