

## CURRICULUM VITAE OF ALFREDO CIGADA

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Born in 1965, Milano, Italy; he received his Degree in Mechanical Engineering in 1990 at Politecnico di Milano Italy and got the Doctoral Degree in Applied Mechanics (1994) at Politecnico di Milano, Italy.

He is Professor in Mechanical and Thermal Measurements (since 2002) at Politecnico di Milano, Italy and he has also been teaching (2003-2008) at the University of Pavia, Italy.

He is author of more than 130 papers on the following topics: fluid structure interaction; vehicle sub-structure interaction; cable vibrations; electro-mechanical interaction; image processing; new measurement techniques and new sensors (MEMS and fiber optic sensors); Acoustics; Structural health monitoring; Safety and security; Crime fighting; Renewable energy;

All researches have been carried out together with national and international industrial partners.

He has been Member of the Board of Directors of Politecnico di Milano (2004-2010), referring on research, intellectual property, spin off and start up companies, head of the “Measurement and experimental techniques” group at the Department of Mechanics of Politecnico di Milano (1997-2002), Director of the educational center of experimental techniques, campus Bovisa (2002), member of the peer review process for other Universities.

He is secretary of the national group of “Mechanical and Thermal Measurements”, Staff member in the PhD school: “Mechanical systems engineering” at Politecnico di Milano and in the PhD school: “Metrology” at Politecnico di Torino; Deputy director of Tutto Misure, the Italian reference journal for Measurements, associate editor of Experimental Techniques

He is been local leader or principal investigator of several EU and national funded research projects, invited to hold seminars and conferences in several Universities in Europe and in the US; co-founder of the spin-off company Innovative Security Solution, awarded several times for its highly innovative projects.

At present he is the responsible for the structural monitoring activities at the Meazza Stadium in Milan and on the Duomo di Milano.