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Since 1990 he cooperates with CEFRIEL, the centre of excellence of Politecnico di Milano for research, innovation and education in Information and Communication Technology, which is devoted to strengthen the connections between research and industry both nationally and internationally. At CEFRIEL he led several research projects as well as several consultancy activities and technology transfer initiatives in the field of Software Engineering.

He is co-author of over 100 scientific articles, in areas that include Software process modeling, measurement and improvement; the measurement of software products, especially concerning quality and the functional size; Model based development, especially concerning real-time and embedded software; Requirements engineering and software development environments and tools.

He participated in several research projects co-funded by the European Union or by the Italian government, often guiding the research unit of CEFRIEL.

He has been or is member of the Program Committee of several international conferences, including ICECCS, IWAAPF, IWAAPPO, ESEM, and IARIA conferences ADVCOMP and ICSEA. He also served as reviewer of ESPRIT and IST projects, and of international journals and conferences.

His current research objectives involve the definition of joint theoretical foundations and software engineering guidelines and practices for: Model-based measurement of software size and quality; a model-centered view of SW development engineering and management activities, including the integration of strategic business control with technical measurement; Requirements modeling and requirement-driven design.

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