

Short CV - Prof. Monica Bordegoni
Dipartimento di Meccanica – Politecnico di Milano

Monica Bordegoni is full professor at the Faculty of Industrial Design of Politecnico di Milano since 2004. She teaches the courses: "Virtual Modeling of Products" and "Virtual Prototyping" at the Faculty of Industrial Design, and "Virtual Prototyping" at the Faculty of Industrial Engineering.

Monica Bordegoni is the chair of the Scientific Committee of the Department of Mechanical Engineering, and the delegate of the Rector for relationships with Indian universities since January 2011.

Monica Bordegoni received a M.Sc Degree in Computer Science from the Università di Milano. She has been associate professor at the Faculty of Engineering of the University of Parma from 1998 to 2001, and at the Faculty of Industrial Design of Politecnico di Milano from 2001 to 2004. From 1993 to 1998 she has conducted research and management activities at the direction of the targeted project on robotics of CNR (National Research Council). From 1991 to 1993 she was awarded an ERCIM scholarship for spending two years as Post-Doc visiting fellows hosted by some European research centers: RAL-UK, CWI-the Netherlands, and GMD-Germany.

Monica Bordegoni is the coordinator of the Virtual Prototyping Laboratory of the Department of Mechanical Engineering of Politecnico di Milano, which carries out research projects on the following topics: CAD applications, modeling techniques, visualization and rendering, virtual prototyping, virtual reality and augmented reality technologies and applications, multimodal interaction, haptic interaction, multimodal interaction, emotional engineering.

Her main research activities include methods and tools for virtual prototyping of products, interaction techniques and multimodal technologies, haptic technologies and interaction, and on their application in the engineering and industrial design sectors.

She is member of the board of the PhD course on Design of Politecnico di Milano, where she is tutor of five PhD students performing their research on topics related to virtual modeling, simulation, virtual prototyping and haptics and multimodal interaction systems.

She has been involved in several European and national funded research projects. Recently, she has been deputy coordinator of the European project FP6-IST Touch and Design (www.kaemart.it/touch-and-design), and the coordinator of the European project FP6-IST SATIN - Sound And Tangible Interfaces for Novel product design (www.satin-project.eu) and of the national project MIUR-FIRB PROGIMM project (www.kaemart.it/progimm).

She has published more than 30 articles in scientific journals and more than 25 have been published in proceedings of Scopus-indexed conferences (including ASME, SPIE, IEEE conferences) on these subjects, and she has been co-editor of the book "Innovation in Product Design, from CAD to Virtual Prototyping", published by Springer in 2011.

She has founded and chaired the Italian Chapter of EuroGraphics from 2001 to 2008. She has been member of program committees of several international conferences (HCI International, Visual Languages, Conference on Applied Ergonomics, ASME-IDETC, ASME-WinVR, TMCE, RO-MAN). She is reviewer of articles for 7 scientific journals, and about 15 conferences. She has co-chaired the ASME-WinVR Conference that has been held in Milano, on 27-29 June 2011.

List of more recent and relevant publications

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