

Curriculum vitae of Lorenzo Marconi (June 2012)

Lorenzo Marconi was born in Rimini, Italy, in 1970. He graduated in 1995 in Electrical Engineering from the University of Bologna. Since 1995 he has been with the Department of Electronics, Computer Science and Systems at University of Bologna, where he obtained his Ph.D. degree in March 1998. From 1999 he has been an Assistant Professor in the same Department where is now Associate Professor since January 2005.

He has held visiting positions at and collaborations with various academic/research international institutions, such as the Washington University at St. Louis, the Imperial College at London, the Ohio State University at Columbus Ohio, the Universite Paris-Sud, the Mittag-Leffler Institute Sweden, l'École Nationale Supérieure des Mines de Paris, the University of Linz Austria.

He is co-author of more than 150 technical publications on the subject of linear and nonlinear feedback design published on international journals, books and conference proceedings. He is also co-author of three international monographs.

In 2005, he has been awarded jointly by Elsevier and the International Federation of Automatic Control (IFAC) for the best paper published in the period 2002-2005 on "Automatica". He has been also nominated "Outstanding Reviewer" of the journal "Automatica" for his review activity in the period 2002-2003. On March 2008 he has received a "teaching fellowship" from the University of Linz - Austria.

He is member of the IEEE Control System Society, of the Control System Society Conference Editorial Board and of IFAC Technical Committee "Safety and Supervision in Technical Processes". He is the newly appointed chair of the IFAC Technical Committee on "Nonlinear Control Systems". Dr. Marconi has been the chair of the International Program Committee of the the 8th IFAC Workshop on nonlinear control systems (NOLCOS) held at University of Bologna on September 2010. Since 2009 is member of the Governing Board and of the Public Authority Board of the European Joint Technology Initiative Artemis.

Since 2004 he has served as Associate Editor of the IEEE Control System Society Conference Editorial Board. Since 2009 is Associate Editor of IEEE Transaction on Automatic Control. He was Technical Associate Editor of the area "Nonlinear Control Systems" on the occasion of the 17th IFAC World Congress held in Seoul 2008, Area Editor of the area "Nonlinear Systems B" during the 47th IEEE Conference on Decision and Control held in Cancun 2008, Associate Editor of the area "Nonlinear control" at the joint CDC-ECC Conference held in Seville on 2005. He served in the Technical Program Committee of the last five editions of IEEE Conference on Decision and Control.

Actually he is the coordinator of the European Project AIRobots (Innovative aerial service robots for remote inspections by contact) funded by the European Community within the 7th FP (Theme ICT-4-2.1) and responsible for University of Bologna of the European Projects CESAR and EDIANA funded within the JTI Artemis.

His current research interests include nonlinear control, output regulation for nonlinear systems, control of autonomous aerial vehicles, robust control, fault detection and isolation, fault tolerant control.

Lorenzo Marconi's broad areas of interest

1. Output Regulation for Nonlinear Systems
2. Robust Stabilization and Tracking for Nonlinear Systems by Output Feedback
3. Design of Nonlinear Observers
4. Nonlinear Control of Unmanned Aerial Vehicles
5. Stabilization of Feedforward Nonlinear Systems

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