

Brief CV of Aurelio Piazzi

Aurelio Piazzi received the Laurea degree *magna cum laude* in nuclear engineering from the University of Bologna in March 1982. In this university, he attended the Ph.D. course in Systems Engineering and received the Ph.D. degree in 1987. From 1990 to 1992, he was research associate in System Theory with Professor Giovanni Marro at the Department of Electronics, Computer Science and Systems (DEIS), University of Bologna. From November 1992 to September 2001, he was associate professor of Automatic Control at the Department of Information Engineering, University of Parma, and from October 2001 he is full professor of Systems and Control Engineering at the same university. At this department, in 1995 he promoted and established the Active Control Laboratory (ACtLab) devoted to didactic and research activities. From 2007 to 2015 he has been the director of the Polytechnic Library of the University of Parma. Since 2015 he is the coordinator of the Master of Science in Computer Engineering.

In the years from 2000 to 2006, he is scientific head of research units of various national PRIN projects partially financed by MIUR (Ministry of Education, University and Research) on topics of automation and control theory. Scientific coordinator of bilateral research programs in collaboration with CNR, ENEL, and Worgas Bruciatori, in 2002 and 2003 he has directed the European Project COOKIES within the EU cluster Eutist-IMV (Integrated Machine Vision) in collaboration with Gruppo Colussi (Perugia) for the artificial vision-based control of food industrial ovens. In 2007 and 2008, in collaboration with RFI Ferrovie dello Stato, he has been the scientific coordinator of the research project PAVISYS (Pantograph Automatic Vision-based Inspection SYStem) devoted to the diagnosis of pantographs for electric traction.

He is senior member of IEEE and member of SIAM. His main research interests are in control theory, autonomous robotics, and mechatronics systems. His recent research activities have focused on inversion-based and optimal feedforward control methods. He has published over 100 scientific papers in international journals and conference proceedings.