



Current problems in Control Theory

Monday, 24 September 2012

Aula Magna

Dipartimento di Ingegneria informatica, automatica e gestionale Antonio Ruberti (DIAG)
Via Ariosto 25, 00185 Roma

The meeting is organized by our department in honor of Professor Alberto Isidori, as the recipient of the prestigious 2012 IEEE Control Systems Award and to celebrate his scientific and academic activity. A few researchers, who started their career under his guidance, will highlight in a technically plain way research subjects inspired by their work with Alberto Isidori. Presentations will be in Italian.

10:00 Introduction

Claudio Leporelli, Director of DIAG

Luigia Carlucci Aiello, Dean of the School of Information Engineering, Computer Science, and Statistics

10:20 Maria Domenica Di Benedetto, Università de L'Aquila
Model matching: From nonlinear to hybrid systems

10:40 Alessandro Astolfi, Imperial College London and Università di Roma Tor Vergata
Model reduction by moment matching for nonlinear systems

11:00 Lorenzo Marconi, Università di Bologna
Steady state and internal model principle for hybrid systems

11:20 Andrea Serrani, Ohio State University
The role of zero dynamics in aerospace systems: A case study in control of hypersonic vehicles

11:40 Claudio De Persis, University of Groningen and Università di Roma "La Sapienza"
Detection and isolation of faults and attacks

12:00 Presentation by Alberto Isidori

13:00 Refreshments