



Andrea L'Afflitto

*School of Aerospace and Mechanical Engineering
(University of Oklahoma)*

Analysis and synthesis of adaptive controls for multi-rotor unmanned aerial vehicles

21 maggio 2018, ore 9.00 - 11.00,
22 maggio 2018, ore 9.00 - 10.00

Dipartimento di Matematica e Applicazioni “R. Caccioppoli” - Sala Professori - I Livello

Abstract. In this seminar series, Dr. L'Afflitto will present in detail the equations of motion of multi-rotor UAS, will illustrate some advanced nonlinear control technique, such as model reference adaptive control, and will discuss how these techniques can be applied to design autopilots for quadcopter UAS. Students attending this seminar series will be provided with working examples of advanced autopilots for quadcopters developed at the Advanced Control Systems Lab, directed by the speaker.