Salah Feteih, Ph.D., P.E.
Manager Guidance Navigation & Control,
Control System Product Center (CSPC) in the Engineering & Global Product Development Org.
Northrop Grumman Unmanned System Division, NG Aerospace Sector.

Seminar Series: MAE Seminar, 2015 spring quarter
Date and Time: 04/24/2015 - 10:30am - 11:30am,
Location: MDEA, #311 on the UCI Campus Map
Hosted by: Prof. Haithem Taha (hetaha@uci.edu)

Title: UAV & Airworthiness Certification Abstract

Abstract

Unmanned Aerial Vehicles (UAV's) are a familiar entity in our skies and are becoming a key element within the concept of information dominance. Historically the greatest use of UAVs has been in the areas of intelligence surveillance and reconnaissance. Recently they are entering new areas both in the commercial and military domains. UAVs challenges are identified, addressed, and tackled by aerospace companies (such as NGC) and the government (DOD, FAA, and ICAO).
In this seminar we will present a top level overview of a sample of NGC operational UAVs, will present efforts to do UAVs navigation in the terminal area, and will address UAVs airworthiness certification processes.

Speaker's Bio

Dr. Salah Feteih is the GNC Manager at the Control System Product Center at Northrop Grumman Corporation Unmanned Systems in Rancho Bernardo. He obtained his BSc in Aerospace Engineering from Cairo University, an engineering diploma from Ensica, France, and a Master and PhD in aerospace engineering from Stanford University. Before joining Northrop Grumman, Dr Feteih worked as an assistant professor in the mechanical engineering department at Florida State Univerity, a Senior Research Scientist at FANUC-Berkeley Laboratory, and a lecturer at the UCR. Also, he is currently lecturing at SDSU. Dr Feteih worked on several GNC problems at FANUC and Northrop Grumman in the areas of robotics, MEMS, force sensing, controls and launch systems. He is a Senior Member at AIAA.