Stanley Ho Big Data Decision Analytics Research Center
Seminar

Professor Mehran Mesbahi

Professor of Aeronautics & Astronautics
University of Washington

Data-guided Control of Networked Dynamic Systems

Abstract:
In this seminar we will explore how time series data, in conjunction with models, can be used to reason about influence and control of networked dynamic systems in areas where a control theoretic perspective is instrumental, yet not fully explored. Examples discussed in the presentation include infrastructure networks, energy and power networks, and distributed optimization and learning on networks. If time permits, we will also discuss system theoretic features of network formation, network adaptation, and dynamic network processes.

About the speaker:
Mehran Mesbahi received his Ph.D. from USC in 1996. He was a member of the Guidance, Navigation, and Analysis group at JPL from 1996-2000 and an Assistant Professor of Aerospace Engineering and Mechanics at the University of Minnesota from 2000-2002. He is currently a Professor of Aeronautics and Astronautics, Adjunct Professor of Mathematics, and Executive Director of Joint Center for Aerospace Technology Innovation at the University of Washington. He is a Fellow of IEEE, recipient of the NSF CAREER Award, NASA Space Act Award, UW Distinguished Teaching Award, Graduate Instructor of the Year Award, and UW College of Engineering Innovator Award. His research interests are autonomy, data-guided control, and networked systems.

Date:	27 April 2016 (Wednesday)
Time:	2:00 p.m. - 3:00 p.m.
Venue:	Room 513, William M. W. Mong Eng. Bldg, CUHK

* * ALL ARE WELCOME * *

Host: Professor Helen Meng
     Director, Stanley Ho Big Data Decision Analytics Research Centre