



<b>TOPIC</b>	<b>Analysis and Control of Systems Considering Signal Transmission Delays</b>
<b>ORGANIZERS</b>	Student Leadership Council and Faculty of the TECHLAV
<b>AREA</b>	Multi-agent Systems, Cooperative Control, Resilient Control and Communication, Robotics
<b>SPEAKER</b>	Sun Yi, Assistant Professor in Mechanical Engineering
<b>DATE</b>	
<b>TIME</b>	11-12 EST
<b>VENUE</b>	IRC 410, North Carolina A&T State University, UTSA and SIPI are joining through video-conferencing
<b>FEES</b>	No Charge

#### SYNOPSIS

**Modeling, analysis and control of networked autonomous systems have been the focus of active research during the past decades. One of the challenges when designing reliable control for such systems is existence of signal transmission delays, which have nonlinear effects on the system performance of autonomously controlled agents. Thus, development of effective techniques for analysis and control of time-delay systems can make a substantial contribution in the areas. This talks provides discussions on modeling and analysis of systems having delays, which are followed by introduction of control techniques specialized for time delay problems.**

#### ABOUT THE SPEAKER



**Sun Yi obtained his B.S. in Mechanical and Aerospace Engineering from the Seoul National University in 2004, M.S. in Mechanical Engineering in 2006 and Ph.D. in Mechanical Engineering in 2009 from the University of Michigan, Ann Arbor. Dr. Yi's research interests include development of analysis methods and control algorithms for dynamic systems. His major research topic is control of time-delay systems, which can arise due to signal transmission and computational loads.**