TOPIC	Cloud Base Control of Heterogeneous Large-scale Autonomous Vehicles
ORGANIZERS	Student Leadership Council and Faculty of the TECHLAV
AREA	Cloud Robotics, Cloud Computing, Hadoop - MapReduce, Programming Language, Robot Operating System (ROS), Control Systems and Algorithms, Multi-Agent Systems
SPEAKERS	Seyed Ali Miraftabzadeh (PhD)
DATE	July 22 2015
TIME	11-12EST
VENUE	Room 410, Fort IRC Bldg., North Carolina A&T State University, UTSA and SIPI are joining through video-conferencing.
FEES	No Charge

SYNOPSIS

- **Cloud robotics is an emerging field of robotics embedded in cloud computing, cloud storage and cloud networking. While getting advantage of powerful computational, storage, and communications resources of modern data centers it allows robots to benefit from the joined infrastructure and shared services. In addition, it removes overheads for maintenance and updates, and reduces dependence on custom middleware. In addition, cloud robotics provides robots to take improvement of the rapid increase in data transfer rates to offload tasks without hard real time requirements and consequently dealing with Big Data and advanced machine learning algorithms. This is of particular interest for mobile robots too, where on-board computation entails additional power requirements which may reduce operating duration and constrain robot mobility as well as increase costs.**

ABOUT THE SPEAKER

Seyed Ali Miraftabzadeh is pursuing his PhD as a joint work between ACE-Lab and Open-Cloud-Institute at University of Texas at San Antonio from August 2014. After getting His M.Sc. degree in Electrical and Communication Engineering from Sharif University of Technology in 2010, he worked for four years as a designer of communication system section of a Sharif University Research Center, 3G and LTE communication system designer at Mobile Telecommunication Company and he contributed many industrial projects before he started his PhD. His research interest area focus on Cloud Computing, Big Data and Data Mining and their applications. E-mail: Ali.Miraftab@utsa.edu