



TOPIC	Real-time Analytics with Apache Storm
ORGANIZERS	Student Leadership Council and Faculty of ACIT Institute and TECHLAV Center
AREA	Cloud Computing, Data analytics, Internet of Things
SPEAKER	Mevlut Demir
DATE	Friday July 7, 2017
TIME	3:00 – 4:00 P.M. (EST)
VENUE	Fort IRC 410, North Carolina A&T State University, NCAT and SIPI will be joining through video-conferencing
FEES	No Charge

SYNOPSIS

The arrival of the Internet of Things (IoT) has created opportunities and challenges alike. One of the most interesting opportunities is the analysis and understanding of the enormous quantity of data that comes from IoT. Systems require different forms of control algorithms to work properly. Some systems require delay batch processing while others require real-time control. Systems such as Robotic Swarms often require both batch and real-time control to coordinate the activities (e.g. image analysis, localization, path-planning, etc.) of the individual entities. Recent studies verify that cloud computing environment is a new platform for studying massive complex robots in swarm robotics. This presentation will provide an introduction, based on existing applications and topologies, for research towards a real-time analytics platform that can be used to perform both real-time and batch analysis of sensor data for control decisions. This platform is based on apache storm and Rabbit MQ as the processing engine and message queuing components.

ABOUT THE SPEAKER



Mevlut Demir received his master's degree from the University of Texas at San Antonio in 2014. He is now a PhD student in the Electrical and Computer Engineering Department of the University of Texas at San Antonio. His main research interests include real time data analytic for sensor networks and robots in clouds.