



**AUTONOMOUS
CONTROL &
INFO TECH**



TECHLAV

TOPIC	Application of Big Data Analytics via Soft Computing
ORGANIZERS	Student Leadership Council and Faculty of ACIT Institute and TECHLAV Center
AREA	Big Data Analytics, Cloud Computing and Complex Energy Systems Modeling and Control
SPEAKER	Yunus Yetis, ACE Labs UTSA
DATE	Friday February 19 th , 2016
TIME	3-4PM (EST)
VENUE	Fort IRC 410, North Carolina A&T State University, UTSA and SIPI will be joining through video-conferencing
FEES	No Charge

SYNOPSIS

Large sets of data have been accumulating in all aspects of our lives for a long time. Advances in sensor technology, the internet, social networks, wireless communication, and low cost memory storages have all contributed to an explosion of Big Data. However, System of Systems (SoS) integrate independently, operating on heterogeneous systems to achieve a higher goal than the sum of the parts. Today's SoS are also contributing to the existence of unmanageable Big Data. Recent efforts have developed a promising approach, called data analytic, which uses statistics and cloud computing to reduce the size of Big Data to a manageable size in order to extract information, build a knowledge base using the derived data, and to eventually develop a nonparametric model for the Big Data. This research discusses approaches and environments for carrying out analytics on Clouds for Big Data applications.

ABOUT THE SPEAKER



Yunus Yetis received his B.S. in Electronic and Electrical Engineering from Kirikkale University, Turkey in 2005, and his M.S. degree from The University of Texas at San Antonio, in 2013. He is currently a Ph.D. student in the Autonomous Control Engineering (ACE) Laboratory in the electrical and computer engineering department at UTSA, where he expects to graduate in 2017. His current research interests include complex energy systems modelling and control, input – output model, prediction algorithms, and big data analytics. He has 4 technical publications including two book chapters. Mr. Yetis has presented papers in multiple conferences, and has won the best project award at the Kirikkale, Turkey in 2011 as well as the International scholarship from Turkey Ministry of Education.