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| <b>TOPIC</b>      | <b>Asynchronous vs. Synchronous Diagnosis</b>  |
| <b>ORGANIZERS</b> | Student Leadership Council and Faculty of ACIT Institute and TECHLAV Center  |
| <b>AREA</b>       | Autonomous Systems   |
| <b>SPEAKER</b>    | Alejandro White  |
| <b>DATE</b>       | Friday January 12, 2018  |
| <b>TIME</b>       | 3:00 – 4:00 P.M. (EST)   |
| <b>VENUE</b>      | <b>Fort IRC 410</b> , North Carolina A&T State University,<br>UTSA and SIPI will be joining through video-conferencing |
| <b>FEES</b>       | No Charge  |

## SYNOPSIS

System failure can result in damaging the system and a loss of resources such as time, profit, and human life. System failure is an unavoidable feature that must be managed in order to ensure system reliability. A discrete event system (DES) tool known as the diagnoser can monitor the general performance and operation (faulty, non-faulty) of a system, and provide an accurate and timely diagnosis to allow for corrective accommodating actions. This talk will discuss asynchronous diagnosis as a new concept in diagnosis of DES's, and compare and contrast its structural and performance similarities to traditional DES diagnosis techniques.

## ABOUT THE SPEAKER



Alejandro White received his B.S. in Electrical Engineering from N.C. A&T State University in 2003. He later received his M.S. in Electrical Engineering from Virginia Tech in 2007. He is currently enrolled in the Ph.D. program at N.C. A&T State University, under the advisory of Dr. Karimodini.