COMPUTER SCIENCE
DEPARTMENT COLLOQUIUM

The ForensicCloud: Handling the Growing Needs of Digital Evidence

Speaker: Dr. Dave Dampier, *Mississippi State University*

Date and Time: November 14 (Friday), 2014 – 2:00pm-3:00pm

Location: SEC 3437

Abstract:

Law enforcement officers from local departments to federal agencies are having to deal more and more with digital evidence. Where it was sufficient to collect computers and other digital devices several years ago and turn them over to the state police or FBI to process, there are too many cases today to make this process viable. This means that departments need to have a capability locally to deal with digital evidence. This is accomplished in one of two ways: either the department invests in a local laboratory costing upwards of $20K, or they find a way to tap into a central investigative capability using a simple browser at the local department. The National Forensic Training Center and now the Distributed Analytics and Security Institute has been building what is called a "Forensicloud" to provide the latter capability to local law enforcement agencies in Mississippi. Other than uploading the hard drive image to the server, there is little that cannot be done at a local agency with a simple browser. This talk will describe this approach and identify ways forward for the system.

Biography:

Dr. Dave Dampier is a Professor of Computer Science and Engineering at Mississippi State University, specializing in cyber security and digital forensics. Dave currently serves as Director of the Distributed Analytics and Security Institute in the High Performance Computing Collaboratory, the Center for Computer Security Research in the Bagley College of Engineering, and the National Forensics Training Center in the Department of Computer Science and Engineering. Dave Dampier joined MSU after serving 23 years in the U.S. Army, most recently as an Army Automation Officer and Army Scientist. He has been at MSU for nearly 15 years, has published over 70 peer reviewed papers, and given invited talks all over the world.