Outstanding Dissertation Award 2007

The AIET is pleased to announce that the 2007 winner of the Outstanding Dissertation Award is:

Jia Wu - University of Massachusetts, Dartmouth

Jia earned his Ph.D. from Rutgers University and his dissertation was entitled:

"Continuous tests of details and analytical procedures in continuous auditing"

Abstract (Summary)

In a Continuous auditing (CA) environment audits are performed on a more frequent basis than traditional auditing. CA is a great leap forward in both audit depth and audit breadth. The implementation of CA has become technologically feasible due to the recent spate of corporate scandals and related auditing failures. New regulations such as Sarbanes-Oxley Act require better corporate internal controls. These factors have created an amenable environment for CA development. In recent years CA has attracted the attention of more and more academic researchers, as well as developers. The research on CA has been continuously flourishing. This study uses a real-world case to discuss two essential procedures in CA---tests of details and analytical procedures.

This dissertation consists of two primary parts. First, it discusses how to apply detection protocols to the business processes of the company's procurement cycle. Second, it tests various expectation models, and compares anomaly detection protocols using disaggregated data for the analytical procedures in CA. The online learning protocol are introduced for expectation models to improve anomaly detection performance. Using disaggregated data, anomaly detection when the entire error concentrates on a single day or a single observation improves. The detection performance would deteriorate when error is dispersed evenly over time.

Jia accepting his award in Chicago on August 6th 2007 (from - Peggy Garnsey Committee 2008/07):
Do please feel free to contact us with any queries or questions you have about pages - the section's webmanager, Rob Nehmer, can be contacted on nehmer@