

Towson University

College of Graduate Studies and Research

Dissertation Defense Announcement

Student's Name: Sinjae Lee

Department/Program: Applied Information Technology (AIT)

Chair, Dissertation Committee: Dr. Yanggon Kim

Title: of Dissertation: The New Peer-to-peer Reputation-based Trust Model:
The Resource Chain Model

Date of Defense: March 14, Friday

Time of Defense: 10:00 A.M.

Location: YR459 (Conference Room)

Abstract:

Using the Resource Chain Model, the new P2P reputation-based trust model, we can find the best resource location both effectively and efficiently while maintaining the system security. The goal of this dissertation is to find whether the model can increase the successful download rate when the number of transactions and the number of malicious nodes are increasing. The study's results show that RCM improved the performance. Thus, this approach enables one to find a better solution to find the best resource chain in a P2P community.