

# SEMINAR NOTICE

Preston M. Green Department of Electrical and Systems Engineering

## IMPROVED DESIGNS FOR APPLICATION VIRTUALIZATION

DISSERTATION DEFENSE

by

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**Abstract:** We propose solutions for application virtualization to mitigate the performance loss in streaming and browser-based applications. A table separation algorithm and an improved hashing scheme are formulated to implement fast table look-ups for prefetching. We investigate a hand-off protocol to deal with the user mobility in the browser-based solution. Analysis for information-based prefetching and for mobile applications are provided to quantify the benefits of the proposed solutions..

DATE: Tuesday, April 17, 2012  
TIME: 1:00 p.m.  
PLACE: Green Hall, Room 0120

Dissertation advisor:  
Dr. Paul Min

This seminar is in partial fulfillment  
of the Doctor of Philosophy degree