

*The Department of Engineering Management,
Information, and Systems*

Would like to announce....

*Private, Public, or Hybrid: An AHP Model for
Infrastructure-as-a-Service IaaS Cloud Strategy
Selection for Enterprises and Software Development
Organizations*

Presented by

Erik Loen



**Doctor of Engineering In Engineering Management Praxis
Defense**

Advisor: Dr. Eli Olinick

**Monday, May 1, 2017, 12 Noon-2 p.m.
Cullum Conference Room, 347 Caruth**

Abstract: The decision to move to a private, public, or hybrid cloud deployment strategy for software development, pre-production, and production workloads for IaaS (Infrastructure-as-a-Service) is one of the most challenging and debated decisions today for enterprises, technology infrastructure, and software development organizations. This praxis examines what considerations and factors are important in IaaS cloud-computing strategy decision-making, applies these considerations to formulate a multi-level AHP model and system, and organizes these considerations into four major groups: (1) Enterprise Strategy Considerations; (2) Technical and Operational Considerations; (3) Economic and Financial Considerations; and (4) Security Considerations. The AHP cloud model and system is tested against three case studies of different cloud environments within Cisco Systems.

Bio: Erik Loen is a Doctor of Engineering candidate with a major in Engineering Management at the Bobby B. Lyle School of Engineering. He received his Bachelor of Arts degree in Business and Information Systems from the College of Idaho and Master of Science degree in Engineering Management from SMU. Erik joined Cisco in 2012 and is currently a Regional Manager in Cisco's Global Enterprise Segment, leading a cross-functional team to help large-scale clients with their technology strategies. Erik began his career in high-tech with his first internship at Micron Technology in Boise, ID where he was a programmer in the IT department. Prior to Cisco, Erik spent five years with Nortel and three years with Juniper.

Everyone invited and welcome!