



## Computer Science Master Thesis Presentation

### **Derivation of Consistent Pairwise Matrices**

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*Examination Committee:*

***Dr. Michael Soltys (Advisor), Dr. Pawel Pilarczyk, Dr. Konrad Kulakowski***

#### ***Abstract:***

A method of generating a consistent Pairwise Comparison Matrix from an inconsistent matrix will be presented, a proposal for defining “closeness” between matrices will be discussed, and finally, various methods will be examined to find consistent matrices that are as close to the original inconsistent matrix as possible using a calculated distance described within. This thesis will propose several candidate algorithms, compare their performance, and examine their respective merits.

**2:00 pm, Thursday, April 5th, 2018  
Sierra Hall 1111**

**All students and faculty are invited**

*An Academic Affairs Event*