

# UNIVERSITY OF SOUTH FLORIDA

## Defense of a Doctoral Dissertation

Design of Support Measures for Counting Frequent Patterns in Graphs  
by

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For the Ph.D. degree in Computer Science and Engineering

One major challenge in frequent graph mining is the development of support measures. In a new hypergraph framework, we generalize the design of support measures, present improved hardness of approximation results, and introduce new efficient support measures.

### Examining Committee

Lingling Fan, Ph.D., Chairperson  
Yicheng Tu, Ph.D., Major Professor  
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Tuesday, June 16, 2020  
12:00 PM  
Online (Collaborate Ultra)  
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**THE PUBLIC IS INVITED**

### Publications

1) **J. Meng**, N Pitaksiranan, Y. Tu, “