

UNIVERSITY OF SOUTH FLORIDA

Defense of a Master's Thesis

*Lost In The Crowd? Quantifying Inherent Node Anonymity In Large
Social Graphs*

by

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For the MSCS degree in Computer Science & Engineering

Releasing digital recordings of real social graph datasets exposes the participants to privacy violations. A safer approach to make real social network topologies available is to structurally anonymize them. Intuitively, the larger the graph, the easier for an individual to be "lost in the crowd". However, as new topological structures emerge with increase in scale, those can expose individual nodes in ways that smaller structures do not. We introduce metrics for measuring the privacy in large-scale social networks independent of attack models.

May 10, 2017

10:00 AM

ENB 313

THE PUBLIC IS INVITED

Examining Committee

Adriana Iamnitchi, Ph.D., Major Professor

John Skvoretz, Ph.D.

Paul Rosen, Ph.D.

*Robert Bishop, Ph.D.
Dean, College of Engineering*

*Dwayne Smith, Ph.D.
Dean, Office of Graduate Studies*

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