

# UNIVERSITY OF SOUTH FLORIDA

## Major Research Area Paper Presentation

Predicting Longitudinal User Activity at Fine Time Granularity in  
Online Collaborative Platforms

by

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

Simulating human behavior in complex online environments is challenging due to multiple factors that also include the tension between scale and accuracy. Accurately predicting users' online activities for long periods can be used for adapting to variable computational loads, recognizing anomalies, and intervening in case of emergent undesired social phenomena. In this talk, we will address the challenge of predicting user's hourly activities over up to a month in the future in a complex online collaborative environment, GitHub, with help from informed by other social media platforms, Twitter and Reddit.

Tuesday, November 19, 2019

2:00 PM

ENB 313

THE PUBLIC IS INVITED

### Examining Committee

Lawrence Hall, Ph.D., Co-Major Professor

Dmitry Goldgof, Ph.D., Co-Major Professor

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