

UNIVERSITY OF SOUTH FLORIDA

Major Research Area Paper Presentation

'Trust On Visualizations'

by

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

Visualizations are universal. In addition to understanding the data, visualizations play a significant role in taking critical decisions. Understanding how people perceive and trust visualizations is crucial. But the knowledge on amount of trust people exhibit on visualizations is limited. The main goal is to study the amount of trust people exhibit on visualizations. To survey, analyze and understand various factors that impact a person's trust on visualizations and ways to improve it. To help improve the trust on Force-Directed Layouts, Persistent Homology based framework is used to untangle the overlapping structures. The proposed method betters the performance when compared to traditional random approach.

Friday, November 18, 2022

12:00 PM

Microsoft Teams

THE PUBLIC IS INVITED

Examining Committee

Paul A Rosen, Ph.D., Co-Major Professor

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