

## ***Major Research Area Paper Presentation***

***ProTO: Proactive Topology Obfuscation Against Adversarial Network Topology Inference***

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

***The topology of a network is fundamental for building network infrastructure functionalities. In many scenarios, enterprise networks may have no desire to disclose their topology information. In this paper, we aim at preventing attacks that use adversarial, active end-to-end topology inference to obtain the topology information of a target network. To this end, we propose a Proactive Topology Obfuscation (ProTO) system that adopts a detect-then-obfuscate framework to combat any potential attack.***

***Friday, July 10, 2020***

***3:00 PM***

***Online (Blackboard Collaborate)***

***Please email [taohou@usf.edu](mailto:taohou@usf.edu) for more information***

**THE PUBLIC IS INVITED**

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