

# UNIVERSITY OF SOUTH FLORIDA

## *Major Research Area Paper Presentation*

A Specification Mining Framework for Modeling Chip  
Design Behavior

by

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For the Ph.D. degree in Computer Science Engineering

A thorough and comprehensive specification of highly complex System-on-Chip (SoC) is critical for performing rigorous validation. But high-quality specifications are nonexistent or often disconnected from the design. This research aims to develop an automated specification mining framework to infer accurate system level communication behaviors or specification of SoC design. In this presentation, we survey the existing works on specification mining and outline future research directions.

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Online, [Microsoft Teams](#)

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