Title: **Animation-Based Approach to Formal Specification Validation**

Abstract: Formal specification has proved to be effective in clarifying ambiguities in software requirements, but how to validate it to ensure that all of the user's requirements are defined correctly remains a challenge. In this talk, I will introduce the latest progress we have made in using the animation-based approach to validating formal specifications. In particular, the discussions will be focused on SOFL formal specifications, which I believe can be easily extended to other formal notations. Various examples will be given to help the audience understand the technical contents and several interesting future research directions will be explained as well.