

Title: *Automated Program Repair for Intelligent Tutoring System*

Abstract:

"Software developers spend a significant amount of time and resources on bug fixing. Automated program repair (APR) has gained prominence due to its potential to reduce the manual debugging effort by automatically suggesting patches for given defects. Indeed, state-of-the-art program repair systems have been shown to be able to address some defects in real-world software.

A novel application for APR approaches are intelligent tutoring system that teach students how to program effectively. Most students make similar mistakes in their programming assignments and they can be automatically fixed and clues about the problems can be provided. This talk will discuss the novel application of APR approaches and highlight recent advances"

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