

Hyunsook Do

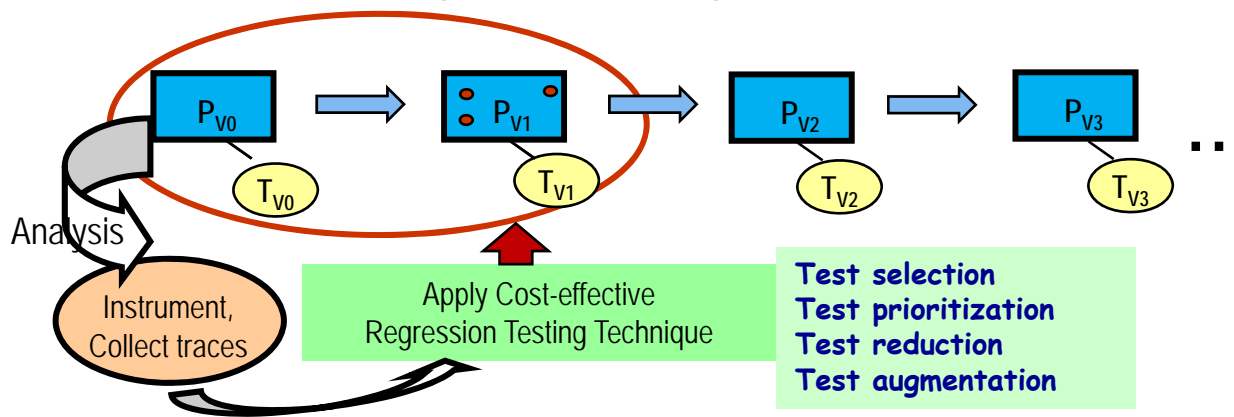
Department of Computer Science and Engineering

Associate Professor

Software Engineering, Software Testing, Regression Testing, Empirical Studies

Research Group: RISE (Research Innovation in Software Engineering); 4 Ph.D. Students and 1 MS student

Regression Testing



Regression Testing

- Cost-effective regression testing techniques considering testing context
- Techniques: Code metrics, history information, and data mining approaches
- Rigorous empirical evaluations using industrial applications and open source

Model-based Requirements Verification

- Natural language processing from NL requirements
- Build state transition models
- Detect off-nominal behaviors
- Targeted for embedded systems

Model-based Requirements Verification

