

Session 5: Verification and Analysis

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- **Software Testing**

- Social issues can be dominant factors (testers, management)
- Bug counts and rate of bug discovery can be misleading
- Role of human in testing process can be a significant supplement to automated/mechanical testing processes

- **Model Checking and Interactive Systems**
 - Has been used in analyzing several human-intensive systems
 - Good at exhaustive analysis and analysis of properties
 - Challenges
 - Large number of nonstandard interactive devices
 - Human behavior can be “nonstandard”
 - Multiple simultaneous sensory responses