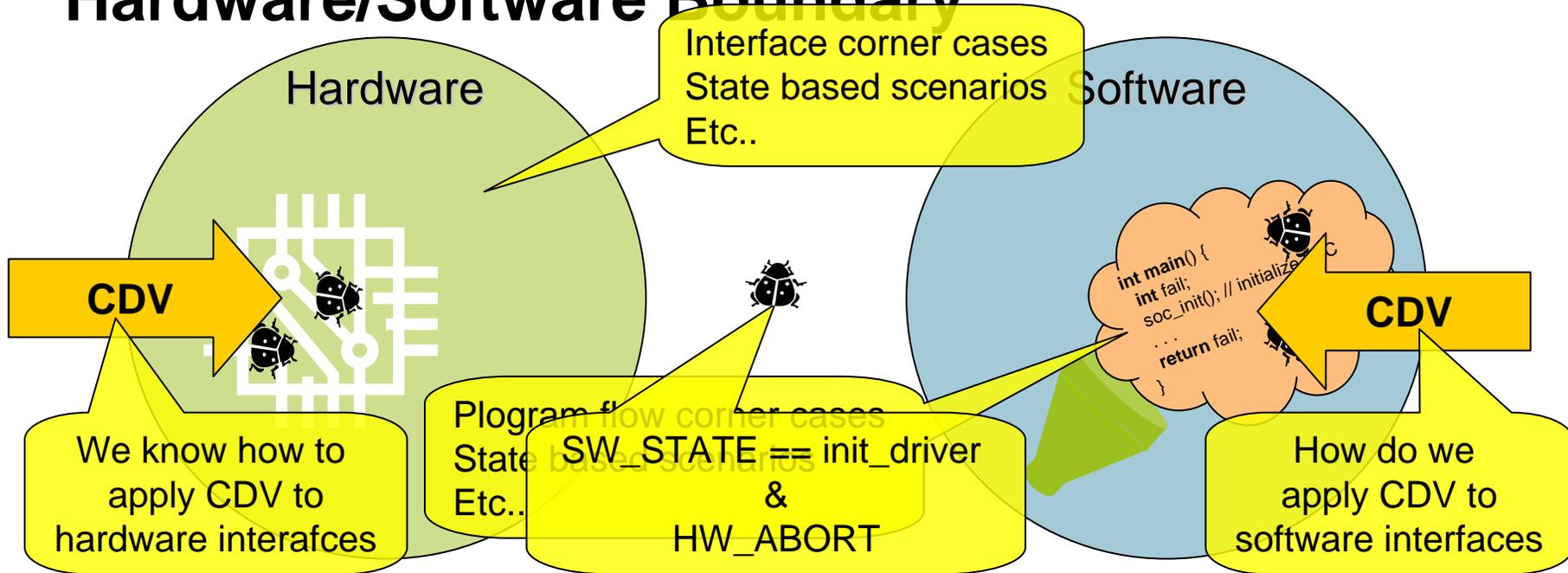


# DAC 2009: Virtual Platform Workshop

Jason Andrews



# Finding High-Value Bugs at the Hardware/Software Boundary



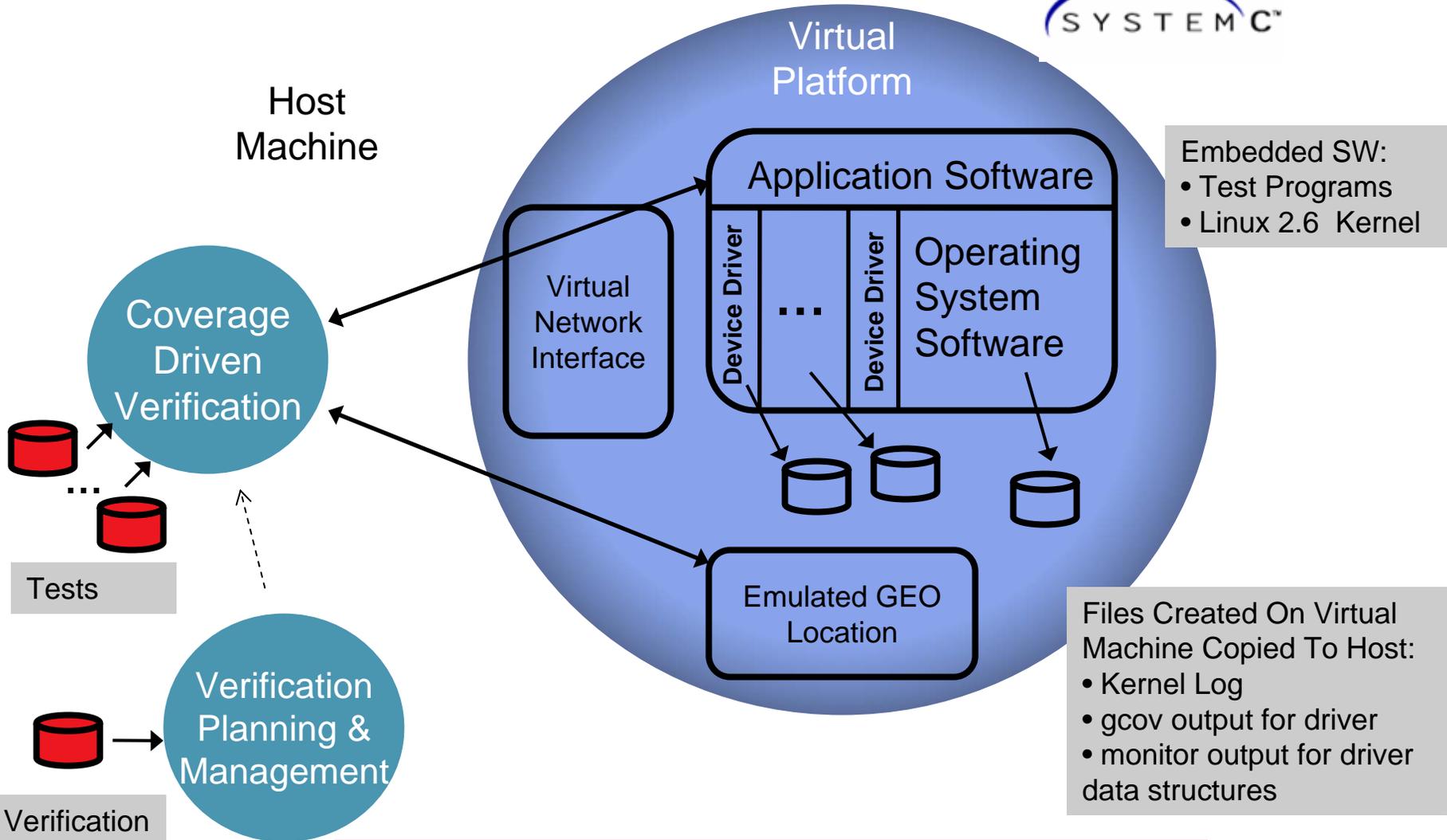
- How do we stress the hw/sw boundary?
- How do we know we thoroughly stressed it?
- How do we know it behaved correctly?

Coverage Driven Verification

# Improve Verification with Virtual Platforms

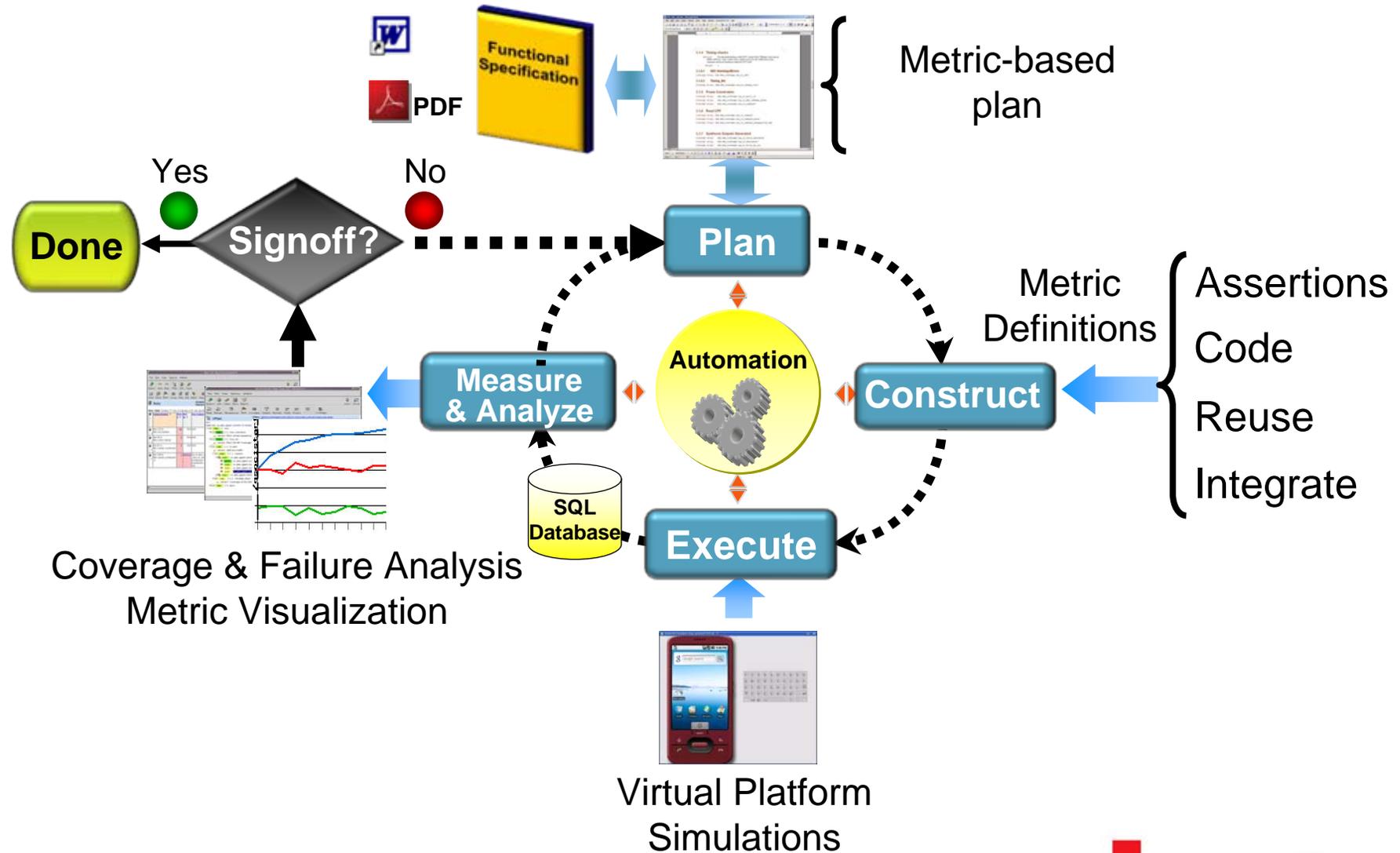


Host Machine



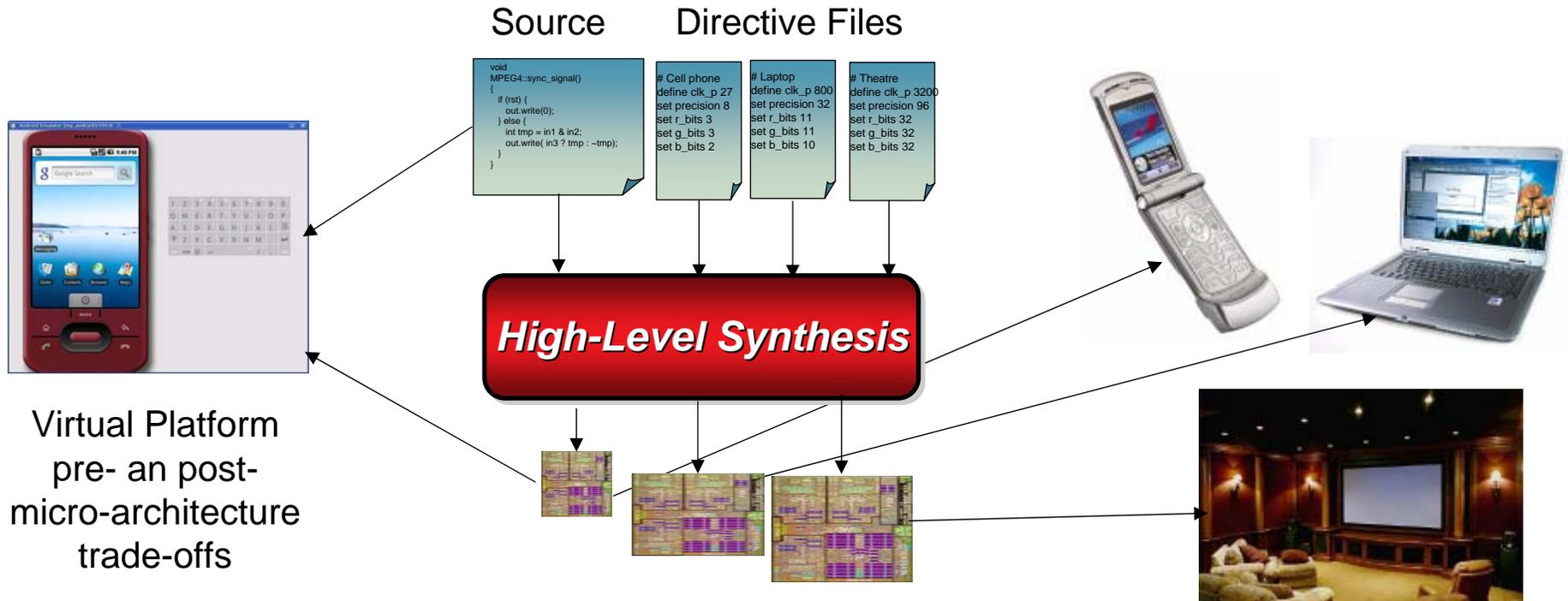
Just Executing Software is Not Enough

# Expand to Metric Driven Verification



# Connect Hardware Design Flow to Virtual Platform and Embedded Software

- Golden source-code drives implementation and verification
- Directive files govern implementation for each application

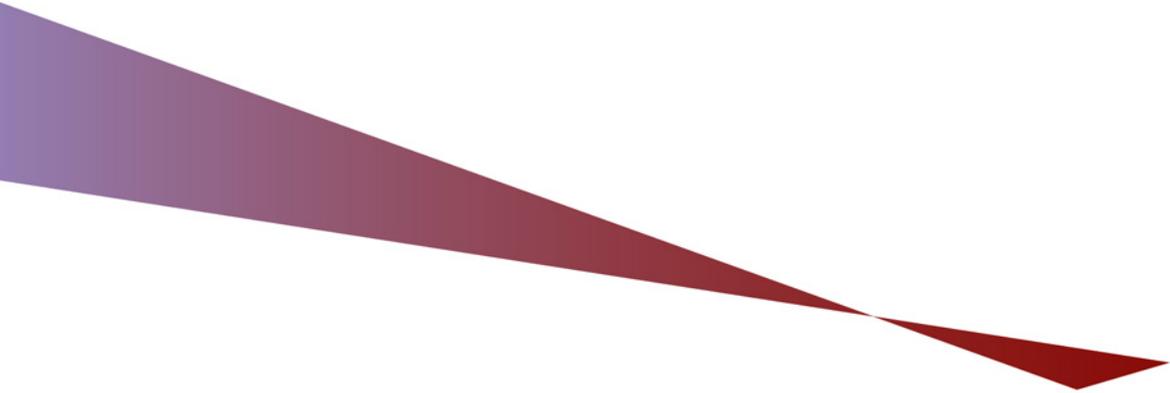


# Bio for Jason Andrews

Jason Andrews is an Architect at Cadence Design Systems, where he is responsible for embedded software and hardware/software co-verification products and methodology.

He is the author of the book "Co-Verification of Hardware and Software for ARM SoC Design" and a frequent blogger on [cadence.com](http://cadence.com).

Jason holds a bachelor's degree and a master's degree in electrical engineering.



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