

Lies, Damn Lies and Benchmarks:

Tools vs. Methodologies

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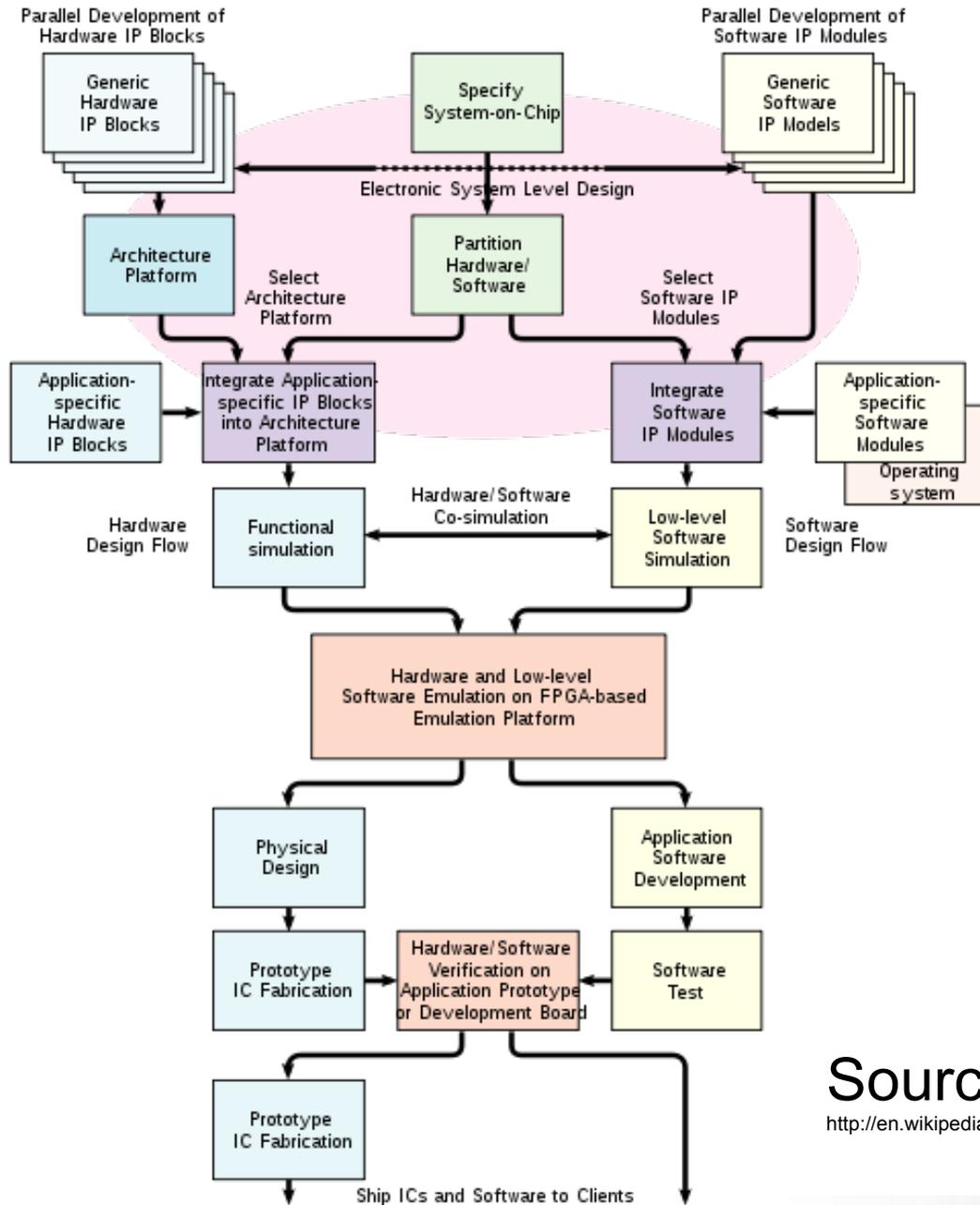
Director, Standards and Interoperability

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Grand Prix F-1 or Dunes Buggy?



A Generic Design Flow ...



Source: Wikipedia

<http://en.wikipedia.org/wiki/File:SoCDesignFlow.svg>

Grand Prix F-1 or Dunes Buggy?

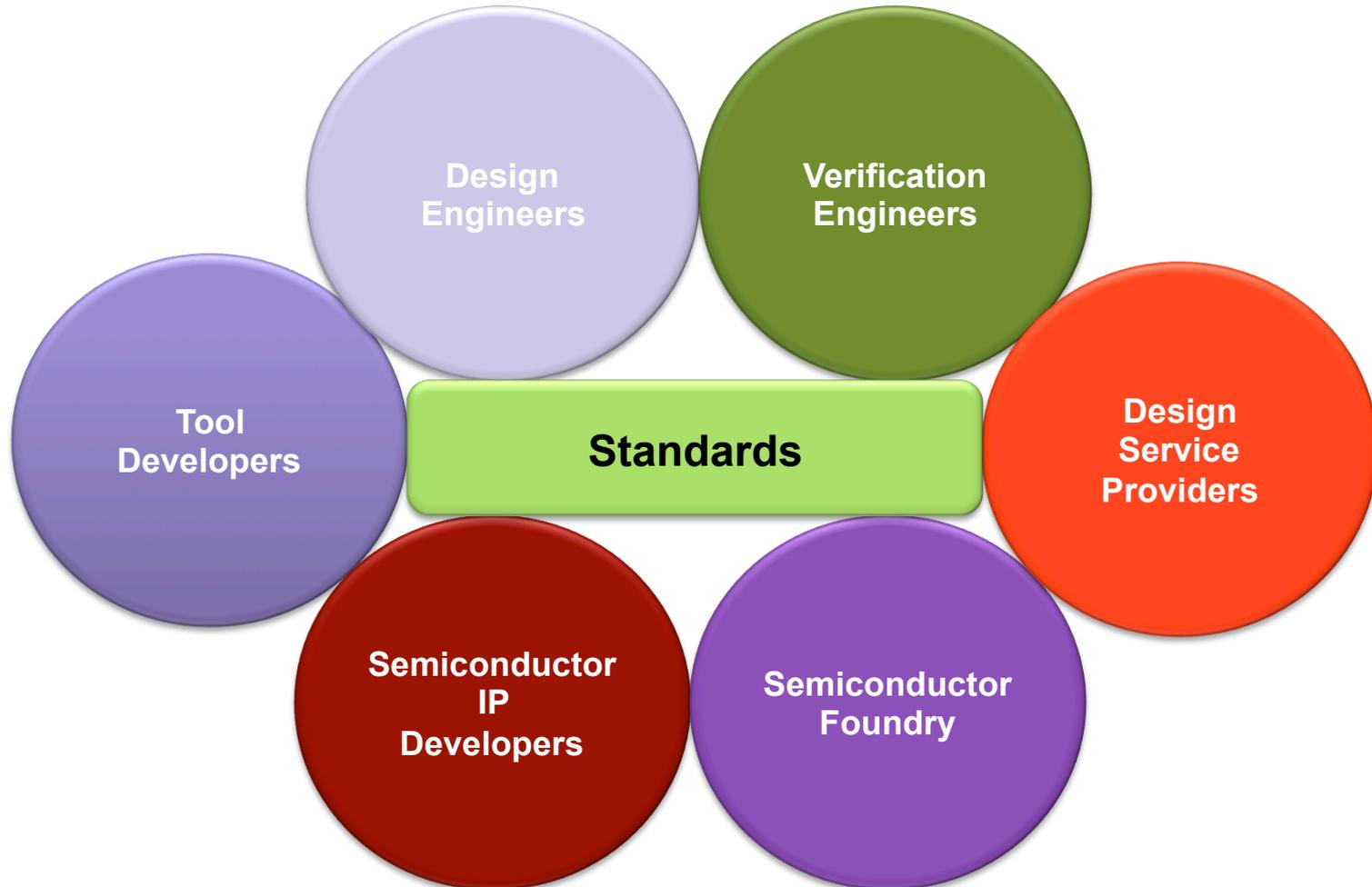


More than Meets Your Eyes

- Tools address one block at a time in your flow
 - Cost of breaking down design vs running it “flat”
- Getting design data in and out of the tool is important
 - Compliance with standards, compatibility of tools
- IP blocks come in many shapes and sizes
 - Challenge is to integrate them and validate their integration
- Standard Benchmarks vs Application Workload
 - Solution to your problem or someone else’s?

- It’s the Methodology, Stupid!
 - Amdahl’s Law: Weakest Link controls productivity

EDA Community and Standards



Thank You

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