Update Presentation of the IEEE P1500 Scaleable Architecture for Testing Embedded Cores

Presented on behalf of the CTAG Team by

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Presentation Outline

- Introduction
- General Update Presentation
- Tiger Team Update Presentations

- Task Force Mission, Scope and Current Status
- Overview of Proposed Architecture
- Core Test Requirements
- P1500 Architecture Components
- Agreed To Motions
- Summary & Future Task Force Activities

Lee Whetsel (Task Force Chair) - Texas Instruments

Saman Adham - LogicVision
Debashis Bhattacharyya - TI
Dwayne Burek - LogicVision
C.J. Clark - Intellitech
Mike Collins - Cisco Systems
☆ Jason Doege - Synopsys
Grady Giles - AMD
Sanjay Gupta - SiberCore
Alan Hales - Texas Instruments
Douglas Kay - Cisco Systems
Marc Levitt - Sonics
Adam Ley - Asset Intertech

Erik Jan Marinissen - Philips
☆ Teresa McLaurin - Motorola
Fidel Muradali - Agilent Technologies
Srinivas Patil - Mentor Graphics
Janusz Rajski - Mentor Graphics
Rochit Rajsuman - Advantest
☆ Mike Ricchetti - Intellitech
Eddie Rodriquez - Intel
Paul Soong - Nortel
Jon Udell - Palmchip
Alex Zamfirescu - ASC
Yervant Zorian - LogicVision

☆ - Tiger Team Champions
P1500 Architecture Task Force
Two Layer Wrapper Development Process

Step 1
Do Wrapper Serial Interface Layer

Step 2
Do Wrapper TAM Interface Layer

Tiger Team
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P1500 Architecture Task Force
Serial Interface Layer Tiger Teams

- Wrapper Instruction Tiger Team
  - Define and document Wrapper instructions
- Wrapper Instruction Register Tiger Team
  - Define and document Wrapper Instruction Register
- Wrapper Boundary Register Tiger Team
  - Define and document Wrapper Boundary Register
- Tiger Teams meet weekly via teleconferencing
Requirements are the written specification of the rules.

- Identify requirements
- Document requirements
- Modify requirements

Tiger Team

Present requirements to CTAG Task Force

CTAG Task Force reviews Tiger Team documents

CTAG accepts requirements

Requirement documents sent to Documentation Group
P1500 Architecture Task Force
Tiger Team Update Presentations

- Wrapper Instruction Tiger Team Update
  - Teresa McLaurin

- Wrapper Instruction Register Tiger Team Update
  - Mike Ricchetti

- Wrapper Boundary Register Tiger Team Update
  - Jason Doege