



Working Group Meeting August 10, 2011

Ernst Christen
WG Chair

christen.1858@comcast.net

Administrative Issues 1

- ◆ **Approval of minutes of WG meeting**
 - Meeting of June 15, 2011
- ◆ **Review of IEEE patent policy**
 - <http://standards.ieee.org/board/pat/pat-slideset.pdf>
- ◆ **Publicity**
 - No activity
- ◆ **Fundraising**
 - Prepared document with funding issues and outline of plan, sent to WG officers
- ◆ **WG Roster**
 - Submitted to DASC on behalf of IEEE-SA
 - Updated on WG twiki



Agenda

- ◆ **Call to order**
- ◆ **Approval of agenda**
- ◆ **Administrative issues**
 - Minutes of June 15 meeting
 - Operating Procedures update
 - Review of IEEE patent policy
- ◆ **Project status and updates**
- ◆ **Next meeting**
- ◆ **AOB**
- ◆ **Adjourn**

Administrative Issues 2: Operating Procedures

- ◆ **DASC updated its Policies and Procedures in response to IEEE AudCom audit**
- ◆ **AudCom now has requested submission of all WG P&Ps for review**
- ◆ **DASC has requested that WG P&Ps be updated to follow latest format approved by IEEE-SA**
- ◆ **Changes to currently active 1076.1 P&Ps**
 - Mandatory changes, mostly in document organization
 - Other changes
 - Standards supported by WG now implied by WG name and PAR
 - No mandatory DASC membership for Secretary and Treasurer
 - Membership by application, requires participation in 3 events
 - Voting membership no longer requires DASC membership



Project Updates

- ◆ **VHPI-AMS:** David Smith
- ◆ **1076.1.1 integration:** David Smith
- ◆ **Other mandatory changes:** Ernst Christen
- ◆ **Frequency domain modeling:** Ernst Christen
- ◆ **Mixed netlists:** Ernst Christen
- ◆ **Table-driven modeling:** Joachim Haase
- ◆ **Vector/matrix operations:** Zhichao Deng
- ◆ **PDE support:** John Willis
- ◆ **Uniform use of SPICE models:** John Willis



1076.1.1 Integration

- ◆ **2 members regular (David Smith, Ernst Christen)**
- ◆ **No Progress**
 - Depends on baselined LRM
- ◆ **Next steps are:**
 - Peter to partition and include existing 1076.1.1 when working on new LRM.
 - David to develop requirements for Dimension support.
 - Review against SI language once the material is in the new LRM.



VHPI-AMS

- ◆ **4 members regular**
 - David Smith (champion), Ernst Christen, Yaseen Zaidi, Peter Ashenden
- ◆ **No progress**
- ◆ **Next steps**
 - Review functions (David)
 - Review Verilog VPI presentation created by Yaseen
 - Review Cadence VHPI-AMS material



Other Mandatory Changes

- ◆ **No progress**
 - Depends on baselined LRM
- ◆ **Next steps**
 - Fund raising
 - Enter contract with Peter



Frequency Domain Modeling

- ◆ **4 regular members, 7 total**
 - Ernst Christen (champion), Joachim Haase, David Smith, Zhichao Deng, Subramanian Sivaramakrishnan, Brian Mulvaney, Thuy Tran
- ◆ **White paper describing all aspects related to support frequency domain modeling ready for review and approval by WG**
- ◆ **No meetings planned**



Vector/Matrix Operations

- ◆ **4 regular members of subcommittee**
 - Zhichao Deng (champion), David Bishop, Subramanian Sivaramakrishnan, Ernst Christen
- ◆ **Work is of high interest to 1076 study group**
- ◆ **Early draft of matrix_real package currently under review by subcommittee**



Table-Driven Modeling

- ◆ **Members of TDM subcommittee:**
 - Joachim Haase (champion), Ernst Christen, Arpad Muranyi, Alain Vachoux
- ◆ **Work is also of interest to 1076 study group**
- ◆ **Last meeting June 14, 2011**
 - Reached conclusions about functionality and data structures
- ◆ **Next steps**
 - Investigate data hiding vs complexity: protected vs regular type
 - Strawman implementation
- ◆ **Next phone conference of TDM subcommittee**
Monday, August 22, 2011 – 8am PDT
To join the conference: +49 6151 155-9731 PIN: 1377



Next Steps

- ◆ **1076.1 revision**
 - Review and finalize financial plan
 - Fund raising
- ◆ **Other**
 - Complete review and approval of updated P&Ps
- ◆ **Next meetings (announced at www.eda.org/vhdl-ams/):**
 - Wednesday, September 7, 2011, 8am PDT (15:00 UTC)
 - Wednesday, October 12, 2011 8am PDT (15:00 UTC)

