



Working Group Meeting June 15, 2011

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WG Chair

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Administrative Issues 1

- ◆ **Approval of minutes of WG meeting**
 - Meeting of April 13, 2011
- ◆ **Publicity**
 - No activity
- ◆ **Fundraising**
 - No activity
- ◆ **Review of IEEE patent policy**
 - <http://standards.ieee.org/board/pat/pat-slideset.pdf>



Agenda

- ◆ **Call to order**
- ◆ **Approval of agenda**
- ◆ **Administrative issues**
 - Minutes of April 13 meeting
 - 1076.1.1 and 1076.1 updates
 - Review of IEEE patent policy
- ◆ **Project status and updates**
- ◆ **Next meeting**
- ◆ **AOB**
- ◆ **Adjourn**

Administrative Issues 2: Standard Revisions

- ◆ **1076.1.1**
 - Approved by RevCom on March 31, 2011 as IEEE Std 1076.1.1-2011
 - Published by IEEE on April 15, 2011
 - Available at WG twiki
 - Documents Private Area
 - P1076.1.1 Private Area
- ◆ **1076.1**
 - PAR approved by NesCom on March 31, 2011
 - Duration till December 31, 2015



Administrative Issues 3: Roster

- ◆ Requested by IEEE-SA
- ◆ To be submitted to DASC by June 17, 2011
 - Title of the Sponsor and its designation
 - Title of the working group and its designation
 - Officers--Chair, Vice-Chair, Secretary, Treasurer (as applicable)
 - Members and participants (including names, email addresses, and affiliations for all members)
- ◆ Mailing list includes 158 email addresses (some duplicates)
- ◆ Roster dated October 29, 2010 includes 15 names
 - Some discrepancies between roster and mailing list
- ◆ Goal
 - Roster to be a subset of mailing list
 - Roster to include at least all members in mailing list who are also DASC members



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



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.



Other Mandatory Changes

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



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, July 25, 2011 – 8am PDT
To join the conference: +49 6151 155-9731 PIN: 1377



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**



Next Steps

◆ **Publicity**

- Publication in Simulation News in Europe
- Special issue of Design and Test

◆ **1076.1 revision**

- Complete financial plan
- Fund raising

◆ **Other**

- Complete roster

◆ **Next meetings (announced at www.eda.org/vhdl-ams/):**

- Wednesday, July 13, 2011, 8am PDT (15:00 UTC)
- Wednesday, August 10, 2011, 8am PDT (15:00 UTC)

