IEEE DASC P1076.1 Working Group

http://www.eda.org/vhdl-ams/

Working Group Meeting
October 12, 2010

Ernst Christen
WG Chair

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Agenda

- ♦ **Call to order**
- ♦ **Approval of agenda**
- ♦ **Administrative issues**
  - • Minutes of last two meetings
  - • 1076.1.1 and 1076.1 updates
  - • Review of IEEE patent policy
- ♦ **Project status and updates**
- ♦ **Next meeting**
- ♦ **AOB**
- ♦ **Adjourn**

Administrative Issues 1

- ♦ **Approval of minutes of WG meetings**
  - • Meeting of August 10, 2010
  - • Meeting of September 14, 2010
- ♦ **New email effective immediately**
  - • christen.1858@comcast.net
- ♦ **Publicity**
  - • No activity
- ♦ **Review of IEEE patent policy**
  - • http://standards.ieee.org/board/pat/pat-slideset.pdf

Administrative Issues 2: Standard Revisions

- ♦ **1076.1.1 revision**
  - • Received feedback from Mandatory Editorial Coordination
    - • Had to make additional updates
    - • P1076.1.1-2010-Body-D1.3.pdf
    - • Will submit to IEEE liaison (Michael Kipness) for final review today
- ♦ **1076.1 revision**
  - • 1076.1 PAR draft
  - • Held up by questions regarding copyrights
    - • Do we have to get Copyright permission from organizations that gave it to 1076?
    - • Discussion between DASC and IEEE
    - • No response from IEEE so far

Project Updates

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

VHPI-AMS

- **4 members regular (David Smith, Ernst Christen, Yaseen Zaidi, Peter Ashenden).**
- **Reviewed Peter's object analysis with some good questions raised.**
- **Cadence still indicates that they are putting together their material. Until something is received we have to assume that it is not coming.**
- **Next steps are to review functions (David) and Verilog VPI presentation created by Yaseen**

1076.1.1 Integration

- **2 members regular (David Smith, Ernst Christen)**
- **No Progress.**
- **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

- **Preparing for first meeting, planned for later this month**
- **Proposing to combine with Genericity**

Frequency Domain Modeling

- ♦ **4 regular members, 6 total**
- ♦ **Working on white paper describing all aspects related to support frequency domain modeling**
- ♦ **Next subcommittee meeting scheduled for October 20**

Table-Driven Modeling

- ♦ **Members of TDM subcommittee:**
  - Ernst Christen
  - Joachim Haase
  - Arpad Muranyi
  - Alain Vachoux
- ♦ **Last meeting October 11, 2010**
  - Current work on „Requirements for Table-driven Modeling" v0.5
    http://www.eda.org/twiki/pub/P10761/ProjectTableDrivenModeling/TDM_Requirements.txt
  - Requirements being balloted by Working Group, ballot open till October 17
- ♦ **Next steps**
  - Identify interpolation algorithms depending on user settings
- ♦ **Next phone conference of TDM subcommittee Monday, November 8, 2010 – 8am PST To join the conference please call: +49 6151 155-9711 PIN: 1677**

Next Steps

- ♦ **Publicity**
  - Publication in Simulation News in Europe
- ♦ **1076.1.1 revision**
  - Start balloting ASAP
- ♦ **1076.1 revision**
  - Resolve copyright issues with IEEE
  - Complete PAR draft
  - PAR approval by WG and DASC

Next Meetings

- ♦ **Meeting schedule once per month, mostly web**
- ♦ **Always announced at www.eda.org/vhdl-ams**
- ♦ **Next meetings:**
  - Tuesday, November 9, 2010, 8am PST (16:00 UTC)
  - Tuesday, December 7, 2010, 8am PST (16:00 UTC)