



## Working Group Meeting April 11, 2012

Ernst Christen  
WG Chair

[christen.1858@comcast.net](mailto:christen.1858@comcast.net)

## Administrative Issues

- ♦ **Approval of minutes of WG meeting**
  - Meeting of March 13, 2012
- ♦ **Review of IEEE patent policy**
  - <http://standards.ieee.org/board/pat/pat-slideset.pdf>
- ♦ **Fundraising**
  - Request for funding sent to 5 vendors and 2 user organizations in December
    - \$5k for 2012, an additional \$10k-\$12k later
  - Received 1 negative and 1 positive response (\$1k now, \$2k later)
  - Send Follow-up email to non-responders
  - Received 2 more negative responses



## Agenda

- ♦ **Call to order**
- ♦ **Approval of agenda**
- ♦ **Administrative issues**
  - Minutes of March 13, 2012 meeting
  - Review of IEEE patent policy
  - Fund raising
- ♦ **Project status and updates**
- ♦ **Next meeting**
- ♦ **AOB**
- ♦ **Adjourn**

## 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



## 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



## 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.



## 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**



## Table-Driven Modeling

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- ♦ **Members of TDM subcommittee:**
  - Joachim Haase (champion), Ernst Christen, Arpad Muranyi, Alain Vachoux
- ♦ **Work is also of interest to 1076 working group**
- ♦ **Last meeting April 9, 2012**
  - Reviewed latest changes in function calls
- ♦ **Next steps**
  - Resolve type opacity with 1076 WG
  - Callback architecture to support user-written reader functions
  - Resolve issues raised regarding Touchstone support
- ♦ **Next phone conference of TDM subcommittee May 7, 2012**



## Next Steps

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- ♦ **1076.1 revision**
  - Fund raising
- ♦ **Next meetings (announced at [www.eda.org/vhdl-ams](http://www.eda.org/vhdl-ams)):**
  - Wednesday, May 9, 2012, 8 am PDT (15:00 UTC)



## Vector/Matrix Operations

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

