



IEEE DASC P1076.1 Working Group
<http://www.eda.org/vhdl-ams/>

Working Group Meeting
December 11, 2013

Ernst Christen
 WG Chair
christen.1858@comcast.net

Agenda

- ◆ **Call to order**
- ◆ **Approval of agenda**
- ◆ **Administrative issues**
 - Minutes of October 9, 2013 meeting
 - Review of IEEE patent policy
 - Officer Elections
 - Netsuite
- ◆ **Project status and update**
- ◆ **Next meeting**
- ◆ **AOB**
- ◆ **Adjourn**

IEEE DASC P1076.1 WG Meeting –December 11, 2013 <http://www.eda.org/vhdl-ams/> - 2

Administrative Issues

- ◆ **Approval of minutes of WG meeting**
 - Meeting of October 9, 2013, available at <http://www.eda.org/vhdl-ams/>
- ◆ **Review of IEEE patent policy**
 - <http://standards.ieee.org/board/pat/pat-slideset.pdf>
- ◆ **Officer elections**
 - Election closed Sunday, December 8, 2013
 - Results announced earlier this week
 - Incumbents reaffirmed for another 2 year term
 - Ernst Christen, chair
 - Zhichao Deng, vice-chair
 - David Smith, treasurer
 - Election of chair and vice-chair to be affirmed by DASC
- ◆ **Netsuite**
 - New IEEE-SA tool for recording and reporting financial transactions

IEEE DASC P1076.1 WG Meeting –December 11, 2013 <http://www.eda.org/vhdl-ams/> - 3

Working Group Status

- ◆ **The WG has about 6 active contributors**
 - Currently: Ernst Christen, Zhichao Deng, Joachim Haase, David Smith, Alain Vachoux, Vipin Ahuja
 - Previously: David Bishop
- ◆ **P1076.1 PAR is valid till Dec. 31, 2015**
 - Can be extended by a year if necessary
- ◆ **Lead time to get to an approved standard**
 - About 3 months to review and finalize LRM after all enhancements have been integrated
 - About 2 months for balloting
 - About 4 months for ballot resolution and recirculation ballot
- ◆ **Conclusion**
 - We should complete development work in Q1 2015

IEEE DASC P1076.1 WG Meeting –December 11, 2013 <http://www.eda.org/vhdl-ams/> - 4

Project Status

◆ Projects planned for this revision of the language

Project	Champion	Status	Importance
Baselined LRM	Alain Vachoux	Clauses 1-6 done	required
VHPI-AMS	David Smith	started	
1076.1.1 integration	David Smith	depends on LRM	high
Mandatory changes	Ernst Christen	depends on LRM	required
Frequency domain modeling	Ernst Christen	done, needs WG approval	low-medium
Mixed netlists	Ernst Christen	not started	low-medium
Table-driven modeling	Joachim Haase	needs validation of use model	medium-high
Vector/matrix operations	Zhichao Deng	about 80% done	medium-high
Partial differential equations	Vipin Ahuja	started	



IEEE DASC P1076.1 WG Meeting –December 11, 2013

<http://www.eda.org/vhdl-ams/> - 5

External Dependencies

◆ P1076 has some interest in the following

- Table-driven modeling
- Vector/matrix operations

◆ Requires coordination with P1076

- Reviews
- Mutual agreement about approach and content

◆ LRM source

- The baseline Alain is creating should be of interest to P1076 as well. We should coordinate with this WG



IEEE DASC P1076.1 WG Meeting –December 11, 2013

<http://www.eda.org/vhdl-ams/> - 6

Proposal

◆ Project champions to prepare project plan for each project

- Goal
- Exact status
- Remaining work
- Plan to complete work
 - Resources
 - Time line

◆ Present plan at next WG meeting

◆ Reach consensus which projects to pursue

- By end of February 2014

◆ Focus only on projects that are not postponed



IEEE DASC P1076.1 WG Meeting –December 11, 2013

<http://www.eda.org/vhdl-ams/> - 7

Next Steps

◆ Program plans due next WG meeting

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

- Wednesday, January 15, 2014, 8:00am PST (15:00 UTC)
 - Tentative, depends on when project champions can make plans available



IEEE DASC P1076.1 WG Meeting –December 11, 2013

<http://www.eda.org/vhdl-ams/> - 8