



Working Group Meeting July 13, 2010

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WG Chair

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Agenda

- ♦ Call to order
- ♦ Approval of agenda
- ♦ Administrative issues
 - Minutes of last meeting
 - 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 meeting held June 8, 2010
- ♦ Publicity
 - No progress about CFP in IEEE D&T, Automotive Engineering, EE Times
 - Considering publication in fall edition of Simulation News in Europe
 - Deadline August 2010
- ♦ Review of IEEE patent policy
 - <http://standards.ieee.org/board/pat/pat-slideset.pdf>



Administrative Issues 2: Standard Revisions

- ♦ 1076.1.1 revision
 - IEEE balloting group formation ended 6/17/2010
 - 22 balloters
 - 4 producer, 4 academic, 5 user, 9 general interest
 - Before ballot LRM must go through Mandatory Editorial Coordination
 - May require some updates to LRM
- ♦ 1076.1 revision
 - [1076.1 PAR draft](#)
 - Additional questions regarding copyrights to be answered by IEEE Intellectual Property Rights group



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



Frequency Domain Modeling

- ♦ **Held second meeting on July 7**
 - Attendees: Ernst Christen (champion), David Smith, Joachim Haase, Brian Mulvaney
- ♦ **Status**
 - Investigated properties/limitations small-signal algorithms
 - Mathematical background
 - Implications of changing equations for frequency domain
 - Concluded that algorithmic changes in an implementation are minor
 - Presented overview of changes to LRM
 - Presented guidelines for writing models with frequency-dependent behavior
- ♦ **Next meeting late July or early August**



PDE Support

- ♦ No update from Tom Kazmierski about his proposal



Next Steps

- ♦ **Publicity**
 - Publication in Simulation News in Europe, due August
- ♦ **1076.1.1 revision**
 - Mandatory Editorial Coordination
 - Start balloting ASAP
- ♦ **1076.1 revision**
 - Complete PAR draft
 - PAR approval by WG and DASC
 - Resolve copyright issues with IEEE
- ♦ **Meeting schedule**
 - Meeting schedule once per month, mostly web
 - Always announced at www.eda.org/vhdl-ams
 - Next meetings:
 - Tuesday, August 10, 2010, 8am PDT
 - Tuesday, September 14, 2010, 10am PDT (7pm CEST) at FDL

