



IEEE

P1666.1

**Start of the IEEE P1666.1
SystemC Analog/Mixed-Signal (AMS) extensions
Working Group**

November 3, 2014 | Martin Barnasconi | P1666.1 Chair

CALL TO ORDER & ROLL CALL

Sumit Adhikari, NXP Semiconductors

Martin Barnasconi, NXP Semiconductors

Fabio Cenni, STMicroelectronics

Karsten Einwich, Fraunhofer IIS/EAS

Paul Floyd, Atrenta Inc.

Olivier Guillaume, STMicroelectronics

Mladen Nizic, Cadence Design Systems

Tejinder Singh*

Kalum Udagepola*

Identify the DR (designated
representative) of entities
attending this meeting

IEEE-SA PATENT POLICY AND CALL FOR PATENTS

IEEE patent policy:

<http://standards.ieee.org/board/pat/pat-slideset.pdf>



Call for Potentially
Essential Patents

APPROVAL OF THE AGENDA

1. Call to order
2. Roll call
3. IEEE-SA patent policy and call for patents
4. Approval of agenda
5. Approval of previous meeting minutes
6. Introduction of P1666.1: objectives, scope, PAR
7. Working group Twiki introduction
8. P1666.1 P&P
9. Call for Officer nominations (Chair + Secretary)
10. AOB
11. Next meeting: December 1, 2014 at 5pm CET
12. Adjournment

Make a motion to
approve the agenda

APPROVAL OF PREVIOUS MEETING MINUTES

(no previous meeting)

Make a motion to
approve the minutes

INTRODUCTION OF P1666.1 (1)

Objective of the P1666.1 Working Group

- Standardize the Analog/Mixed-Signal (AMS) extensions for SystemC as an ANSI standard C++ class library for system and hardware design including analog/mixed-signal elements
- Standardization to result in the delivery of the SystemC Analog/Mixed-Signal (AMS) extensions Language Reference Manual (LRM)

INTRODUCTION OF P1666.1 (2)

- The IEEE Design Automation Standards Committee (DASC) approved the Project Authorization Request (PAR) on December 11, 2013
http://www.eda.org/twiki/pub/P16661/WebHome/P1666_1_PAR_Detail_Approved.pdf
- The P1666.1 Working Group Policies and Procedures (P&P) will be derived from the IEEE-SA P&P
 - DASC will approve these P&P in the coming month
- The P1666.1 is an entity based working group
 - Entities, i.e., organizations, that are Corporate members of the IEEE SA are eligible to be voting members of the WG
 - Such entities name a DR (designated representative) to represent them in the WG

INTRODUCTION OF P1666.1 (3)

- A SystemC AMS LRM has been developed in Accellera during the last 8 years. SystemC AMS 2.0 has been released in March 2013:
<http://www.accellera.org/downloads/standards/systemc>
- Accellera is committed to transfer the SystemC AMS 2.0 LRM and copyrights to IEEE-SA if the Working Group would like to use this work as starting point for the standardization
- Accellera is willing to fund the Technical Writing costs for the LRM updates to make it IEEE compatible
 - No additional fees for P1666.1 WG members anticipated

INTRODUCTION OF P1666.1 (4)

- Current membership
 - Sumit Adhikari, NXP Semiconductors
 - Martin Barnasconi, NXP Semiconductors
 - Kevin Cameron, Synopsys Inc.
 - Fabio Cenni, STMicroelectronics
 - Karsten Einwich, Fraunhofer IIS/EAS
 - Paul Floyd, Atrenta Inc.
 - Olivier Guillaume, STMicroelectronics
 - Mladen Nizic, Cadence Design Systems
- IEEE-SA myproject and Twiki registration:
 - <http://www.eda.org/twiki/bin/view.cgi/P16661/GettingInvolved>

WORKING GROUP TWIKI INTRODUCTION

- Twiki used as P1666.1 workarea:
<http://www.eda.org/twiki/bin/view.cgi/P16661/WebHome>
- References and links
 - [Press Release of P1666.1 working group formation](#)
 - [P1666.1 public page](#)
 - [IEEE-SA patent policy](#)
 - [Project Authorization Request \(approved 11-Dec-2013\)](#)
 - Policies and Procedures (P&P) - will follow
 - [SystemC AMS extensions 2.0 standard of Accellera Systems Initiative](#)
 - [Meeting schedule 2014](#)
 - [Getting Involved](#)
- Email reflector will become available soon

P1666.1 P&P

- Policies and procedure will be available after approval of the DASC

CALL FOR OFFICER NOMINATIONS

- Nomination of Officers (Chair and Secretary)
 - Self nomination is allowed
 - Please apply if you are interest in one of these officer roles **before Nov 28, 2014** to the acting chair: martin.barnasconi@nxp.com
 - Note - Role of vice chair and treasury are not mandatory (no financial activities planned)
- Conditions to become Chair or Secretary
 - Chair: Member need to be IEEE member of any grade and must also be a DR of an entity that is a corporate IEEE-SA member
 - Secretary: Member needs to be a DR of an entity that is a corporate IEEE-SA member (no need to be IEEE member)

ANY OTHER BUSINESS

- ...

NEXT MEETING & ADJOURNMENT

December 1, 2014

5:00pm CET

Draft agenda:

<http://www.eda.org/twiki/bin/view.cgi/P16661/December1%2c2014>

Make a motion to
adjourn
the meeting

