

# IBIS Update

## IBIS European Summit

### SPI, Turin, Italy

### May 11, 2016

Mike LaBonte, Signal Integrity Software

Lance Wang, IO Methodology



# We have moved

- Was <http://eda.org/ibis>
- Now <http://ibis.org>
- Old site no longer available
- Contents mostly the same, so far



The screenshot displays the IBIS Open Forum website. The top navigation bar is blue with the text "Welcome to the IBIS Open Forum". Below this, there are two orange banners: the first says "NEW Available for download: IBISCHK6 1.2 golden parser for IBIS 6.1 (Windows/Linux/OSX)" and the second says "NEW Available for Review: IBIS POLICIES AND PROCEDURES, Draft Review 2 (updated 18 Mar 2016)". The main content area is divided into two columns. The left column has a blue background and contains links for "Upcoming Events Past Summits", "Open Forum Minutes", "Task Groups" (ATM, Quality, Interconnect, Editorial), "Members Roster", "Specifications BIRDS Models", "Support Model Review", "FREE Tools", "IBIS Parsers" (IBISCHK6, IBISCHK6 Bugs), "IBIS Cookbook", "Accuracy Handbook", "Site Map", "About IBIS", "Articles", and "FAQ". The right column has a white background and contains sections for "Our Specifications" and "Our Members". The "Our Specifications" section lists four specifications: "I/O Buffer Information Specification" (IBIS 6.1, SAE/EIA-STD-656-B, IEC-62014-1), "IBIS Interconnect Modeling Specification" (ICM 1.1, ANSI/GEIA-STD-0001), "IBIS Interconnect SPICE Subcircuit Specification" (IBIS-ISS 1.0), and "Touchstone® File Format Specification" (Touchstone 2.0). The "Our Members" section displays a grid of logos for various companies, including ANSYS, Applied Simulation Technology, BROADCOM, cadence, CISCO, CST, Ericsson, GLOBALFOUNDRIES, HUAWEI, IBM, infineon, intel, KEYSIGHT TECHNOLOGIES, MAXIM, Mentor Graphics, Micron, SiSoft, SYNOPSYS, TeraSpeed Labs, Toshiba, XILINX, ZTE, and ZUKEN.

**Welcome to the IBIS Open Forum**

**NEW** Available for download: [IBISCHK6 1.2 golden parser for IBIS 6.1 \(Windows/Linux/OSX\)](#)

**NEW** Available for Review: [IBIS POLICIES AND PROCEDURES, Draft Review 2 \(updated 18 Mar 2016\)](#)

**Our Specifications**

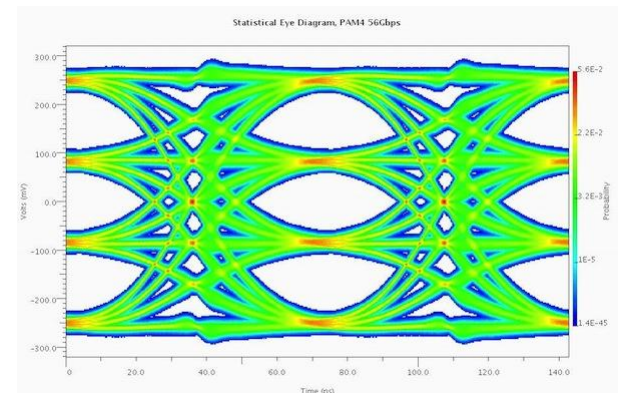
I/O Buffer Information Specification	<a href="#">(IBIS 6.1)</a>  <a href="#">(SAE/EIA-STD-656-B)</a> <a href="#">(IEC-62014-1)</a>
IBIS Interconnect Modeling Specification	<a href="#">(ICM 1.1)</a>  <a href="#">(ANSI/GEIA-STD-0001)</a>
IBIS Interconnect SPICE Subcircuit Specification	<a href="#">(IBIS-ISS 1.0)</a> 
Touchstone® File Format Specification	<a href="#">(Touchstone 2.0)</a> 

**Our Members**



# Progress: IBIS 6.1 Ratified

- Ratified 11 September 2015
  - Support for PAM4
  - Dependent IBIS-AMI Parameter Support (AMI\_Resolve)
  - Package Models for Power Integrity
  - and more ...
- IBISCHK 6.1.2 available



# In The Works

- Advanced Technology Modeling Task Group
  - Optimization/Back-channel support
  - Redriver flow enhancements
  - C\_comp improvements
- Interconnect Task Group
  - External Package/on-die models using IBIS-ISS
- IBIS Quality Task Group
  - IBISCHK enhancements and documentation
- IBIS Editorial Task Group
  - IBIS 6.2 in progress
  - Reference node clarifications