

# Activities and Direction of IBIS



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<http://www.eda.org/ibis/>

# Agenda

- ❑ IBIS Today
  - Documents and Support Services
  
- ❑ Upcoming Changes in IBIS
  - Major Approved BIRDs
  
- ❑ Work for the Future

# **IBIS TODAY**

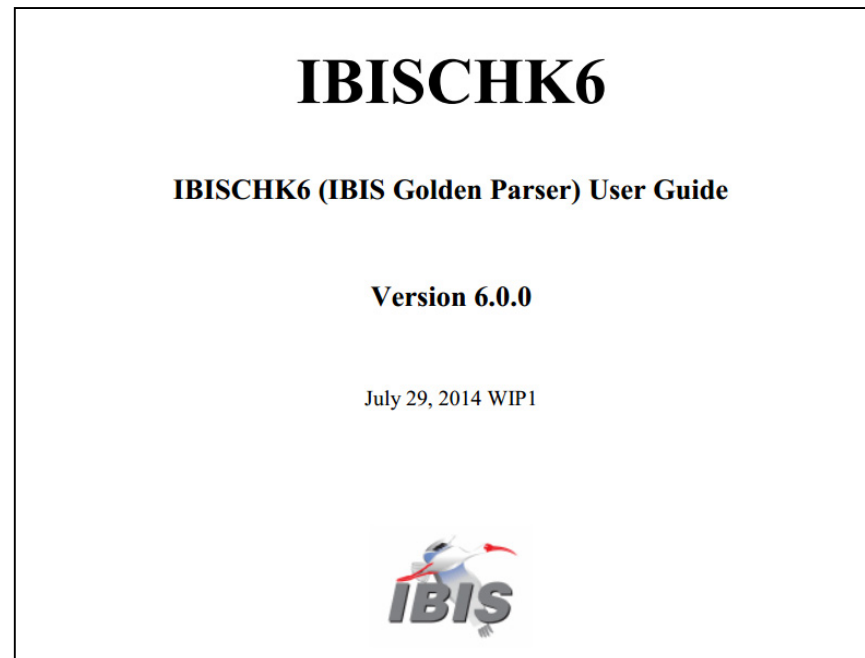
# IBIS Today

- ❑ IBIS 6.0 was approved Sept. 2013
  - <http://www.eda.org/ibis/ver6.0/>
  - Expands IBIS-AMI jitter support
  - Adds IBIS-AMI repeater support
  
- ❑ IBISCHK6 parser released June 2014
  - Available free: <http://www.eda.org/ibis/ibischk6>
  - Source code available for licensed purchase
  - Current “bugs” listed at <http://www.eda.org/ibis/bugs/ibischk/>

# New Support Features

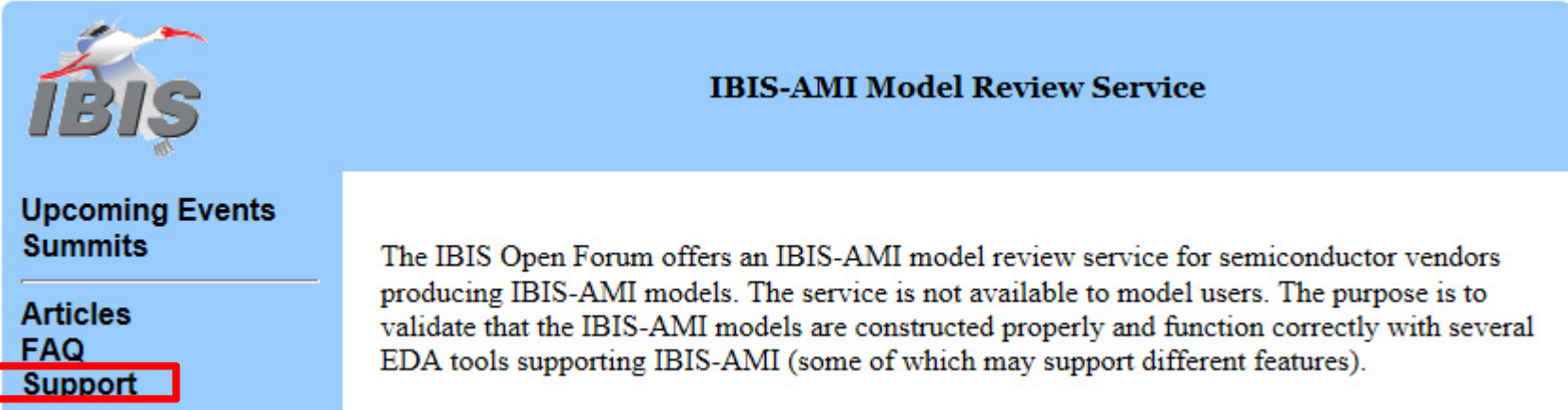
## ❑ IBISCHK6 Parser User's Guide

- From the IBIS Quality Task Group
- [http://www.eda.org/ibis/ibischk6/ibischk\\_6.0.0\\_UserGuide\\_wip1.pdf](http://www.eda.org/ibis/ibischk6/ibischk_6.0.0_UserGuide_wip1.pdf)
- Lists usage, plus every Note, Caution, Error and Warning message
- Explains the extent of the parser's checks



# Model Review Service

- ❑ The IBIS Open Forum has supported review of IBIS models for many years
  - Independent review by volunteer EDA experts, with separate reports provided individually to the submitter
- ❑ Recently expanded to cover IBIS-AMI
- ❑ Visit <http://www.eda.org/ibis/support/> for details



The screenshot shows a webpage with a light blue header. On the left is a sidebar with the IBIS logo (a stylized bird) and a list of links: 'Upcoming Events Summits', 'Articles', 'FAQ', and 'Support' (which is highlighted with a red box). The main content area has the title 'IBIS-AMI Model Review Service' and a paragraph of text.

**IBIS-AMI Model Review Service**

The IBIS Open Forum offers an IBIS-AMI model review service for semiconductor vendors producing IBIS-AMI models. The service is not available to model users. The purpose is to validate that the IBIS-AMI models are constructed properly and function correctly with several EDA tools supporting IBIS-AMI (some of which may support different features).

# **UPCOMING CHANGES**

# Changes After IBIS 6.0

- ❑ BIRD: Buffer Issue Resolution Document
  - A change to the IBIS specification that is not yet part of an IBIS version
- ❑ Up to today, three approved BIRDs make major changes
- ❑ Five other approved BIRDs make clarifications or corrections
- ❑ See <http://www.eda.org/ibis/birds/>



# Major Approved BIRDs

- ❑ BIRD155.2: AMI Dependent Parameters
  - Allows AMI parameters to depend on the state of other parameters
- ❑ BIRD168.1: ...Overclocking Caused by Delay in Waveform Tables
  - Unifies amount of delay that can be removed from V-t and I-t tables
- ❑ BIRD173: Package RLC Matrix Diagonals
  - Increases package model data checking

# **WORK FOR THE FUTURE**

# BIRDS Under Development

- ❑ 11 BIRDs have been proposed but not approved
- ❑ Major areas covered include
  - Backchannel Adaptation for Equalization
  - Expanded Package Capabilities
  - Touchstone for AMI Analog Buffer Models
  - Parameter Passing for External Circuits
- ❑ The Advanced Technology Task Group and the Interconnect Task Group are discussing these

Visit <http://www.eda.org/ibis/subcommittee/>  
to review BIRD development progress and contribute

# Organizational Changes

- ❑ A major revision of the IBIS Open Forum basic policies and procedures is underway
- ❑ Changes to the IBIS Open Forum “Charter” will allow for greater involvement in votes and officer elections by Membership Companies worldwide

The IBIS Open Forum would like to encourage more international participation and involvement, including those elected to IBIS Board offices

# Request for Feedback

- ❑ How can IBIS standards be more useful?
  - What features would help you most?
- ❑ How can the IBIS Open Forum keep you better informed?
  - More frequent web updates?
  - More frequent e-mail information?
  - Increased use of social media?
  - More Summits?

Your feedback is critical to the development and improvement of IBIS standards!

**Q/A**