



# Recent IBIS Activities

(Revised from November 4, 2009 Shanghai, China presentation)

Bob Ross

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[bob@teraspeed.com](mailto:bob@teraspeed.com)



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# New IBIS Logo

## IBIS Under TechAmerica (via mergers)



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# New IBIS Officers 2009 - 2010

- Chair: Bob Ross, Teraspeed Consulting Group, (past Chair 1996-2001)
  - Vice-Chair: Lance Wang, IO Methodology
  - Librarian: Anders Ekholm, Ericsson
  - Secretary: Randy Wolff, Micron Technology
  - Webmaster: Syed Huq, Cisco Systems
  - Postmaster: Mike LaBonte, Cisco Systems
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- Thank you Michael Mirmak, Intel Corporation for 6 successful years as Chair and host of previous Asian IBIS Summits



# IBIS Active Since 1993

- Regular IBIS meetings
  - Teleconference/Web meetings every 3 weeks
  - Several standards and documents and parsers
- IBIS Summits (about 5 per year)
  - China, Japan, Europe, and USA (2)
- Active task groups with leading experts
  - **Advanced Technology Modeling** - AMI work
  - **Quality** - IBIS Quality Specification
  - **Interconnect** (ad hoc) - Touchstone Spec., ICM
  - **IBIS Model Review** – Free review service

# “ibischk5” Parser Released

- Ibischk5, Version 5.0.0 for IBIS Version 5.0
  - Free executables:  
<http://www.eda.org/pub/ibis/ibischk5/>
  - Source code licenses available for purchase
  - Supports IBIS Version 5.0 (ratified 2008)
    - Algorithmic model interface for Serdes analysis
    - Power delivery system SSO and gate modulation
    - EMI parameters
    - Other – (area based thresholds)
- Checks all [IBIS Ver] versions of IBIS files



# New Flags in ibischk5

```
Usage: ibischk5          <IBS filename>
      : ibischk5  -ebd <EBD filename>
      : ibischk5  -pkg <PKG filename>
      : ibischk5  -ami <AMI filename>
Usage: ibischk5  -caution -numbered          <IBS filename>
      : ibischk5  -caution -numbered -ebd <EBD filename>
      : ibischk5  -caution -numbered -pkg <PKG filename>
      : ibischk5  -caution -numbered -ami <AMI filename>
```

The flags prior to the file name can be in any order,  
and the -caution and/or -numbered flags are optional.

- **-ami** for <file\_name>.ami (algorithmic model interface control file)
- **-numbered** for numbered **E**rror, **W**arning, **N**otes and **C**autions messages

# ibischk5 {-numbered} -ami file4.ami

Checking file4.ami for IBIS 5.0 Compatibility...

```
ERROR - Illegal Usage value A specified for Param1
ERROR - Illegal Type value B specified for Param1
ERROR - Illegal Format value C specified for Param1
ERROR - No Reserved_Parameters found
```

Errors : 4

File Failed

Checking file4.ami for IBIS 5.0 Compatibility...

```
E4627 - Illegal Usage value A specified for Param1
E4627 - Illegal Type value B specified for Param1
E4627 - Illegal Format value C specified for Param1
E4622 - No Reserved_Parameters found
```

Errors : 4

File Failed



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# Released or Current Projects (Some covered in Agenda\*)

- Touchstone Version 2.0 ratified in April 2009\*
  - Public Touchstone parser “tschk2” by Agilent Technologies (2010)\*
  - Future Version 2.1\*
- IBIS Quality Specification Version 2.0 soon\*
- Algorithmic model interface improvements
- IBIS Interconnect Spice Subcircuit Specification – (IBIS-ISS) with Synopsys approval (2010)
- IBIS Version 5.1 maintenance and improvement
- IBIS remains active, attracts top talent, and has international participation



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