IBIS Chair’s Report & Roadmap Update

Michael Mirmak
Intel Corp.

IBIS Summit
DesignCon 2005
January 31, 2005
**Status of IBIS**

- **IBIS 4.1 parser development nearly complete**
  - Beta code has been distributed
  - Final code on-track for Q1 release
- **Feature set for ICM 1.1 closed**
- **Membership for 2004: 23 organizations**
  - Trending toward 30 members for 2005
  - 15 IBIS 4.x parser licensees
- **IBIS 3.2 reballot for EIA approval complete**
  - Data being processed by the GEIA
- **Committees highly productive**
  - IBIS Quality Committee generating Golden Parser feedback
  - Cookbook for IBIS 4.0 to be issued March 1
- **Web presence continues**
  - Model library and membership roster, virtual poster regularly updated
Membership History

Year | Number of Members
--- | ---
1995 | 20
1996 | 23
1997 | 22
1998 | 27
1999 | 33
2000 | 35
2001 | 34
2002 | 31
2003 | 28
2004 | 23
... and Tech Economy

IBIS as lagging market indicator?

Data from NASDAQ.com, reflects end-of-year closing
Short Term Direction

- Secure IBIS finances
  - Maintain today’s membership trend
  - Obtain 2 additional parser licenses
- Complete and distribute 4.1 parser
- Complete ICM 1.1 review and publish!
  - Parser update requires three weeks or less
  - Open Forum is prepared for EIA/ANSI ballot
- Prepare ICM Cookbook
- Alert the industry to all of the above!
IBIS Timeline

Not Shown
- July, 2002: IBIS 4.0 approved
- Sep., 2003: ICM 1.0 approved
- Jan., 2004: IBIS 4.1 approved

Spec Activities
- IBIS 4.1 Parser
- ICM 1.1 Proposal
- IBIS 4.0 Cookbook
- IBIS 4.1 Approval
- ICM 1.1 Proposal
- IBIS 4.2 Approval
- ICM Cookbook
- IBIS 4.2 Approval

Summits
- DAC
- DATE
- DesignCon Summit
- PCB East

Regular summits in Asia starting in ’06?

E-Roadshows on hold
Long Term Direction

* Next IBIS version?
  - New feature proposals: power integrity, links to ICM specification
* Parser licensees receive free 4.x upgrades
  - *Realistically, funds do not exist for another parser with significant changes in 4.x series*
* Therefore, IBIS 4.2 should not be revolutionary
  - “Clean-up” only, fixes to critical syntax issues
  - Preparation for EIA/ANSI ballot (possibly IEC)
* **IBIS 5.0 – let’s start considering it**
  - BIRD 74.6: EMI parameters
  - Power integrity? ICM links for package?
  - User-defined measurements?

What does the IBIS baseline need to be for the next five years?
Thank you!

We are grateful for your support!

Let’s keep building momentum in 2005 and beyond!