



More IBIS History

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DesignCon Hybrid IBIS Summit
(after DesignCon 2024)
Santa Clara, California
February 2, 2024



Agenda

- **IBIS Open Forum practices**
- **IBIS documents**
- **Parent organizations**
- **IBIS co-located Summits**
- **European IBIS Activities**
- **First Asian IBIS Summit**
- **Some mergers, acquisitions in IBIS**
- **Conclusion**



IBIS Open Forum Practices

- **IBIS participation, access to documents, minutes, emails, etc. open to everyone (members and non-members)**
- **Only paid organizations can vote**
- **Free parsers to encourage industry-wide adoption**
- **Parser source code license sales**
- **Control of our web-site uploads and open downloads**
- **First parent organization (EIA) accepted these practices**
- **(Most standards organizations have restricted attendance or access rules)**



IBIS Documents

- Version 1.0 – 11 pages (text format, parsable)
- Version 7.2 – 412 pages with IBIS-AMI (.docx, .pdf)
- Touchstone 2.0 (includes official Touchstone 1.0)
- IBIS-ISS Version 1.0 (an HSPICE subset)
- IBIS Quality Specification
- IBIS Accuracy Handbook
- ICM (IBIS Connector Model – not used nor supported)
- IBIS Cookbook Version 2.0



IBIS Parent Organizations

- EIA (Electrical Industry Association)
- EIA (Electronic Industries Alliance)
- GEIA (Government Electronics and Information Technology Association)
- ECIA (Electronic Components Industry Association)
- TechAmerica (and CompTIA, GEIA merged with ITAA, AoA)
- SAE International
- SAE ITC

- (Many have disappeared)



IBIS Co-located Summits

- DAC (Design Automation Conference)
- DATE (Design Automation and Test in Europe)
- DesignCon (originally Design SuperCon)
- IEEE EPEPS
- EDICon (USA)
- IEEE EMC (EMC+SIPI)
- JEDEC
- JEITA
- PCB East
- IEEE SPI (in Europe)



European IBIS Activities

- **Co-located DATE Summits**
 - 12 Summits, 1998 – 2009
 - France, Germany
 - Usually in an EDA vendor customer meeting room
- **IEEE SPI Workshops**
 - 2003 – Bob Ross invited as a keynote speaker at SPI 2003 on “IBIS Present and Future”
 - 13 Summits from 2010 through 2023
 - (2020 Summit cancelled due to Covid19)
 - Italy, Germany, Belgium, France, Portugal
 - Great external tours, mixers, and dinners



First Asian IBIS Summit

- **December, 2005, Shenzhen, PRC, ~154 attendees**
- **Sponsors**
 - **Huawei Technologies (primary), Mentor Graphics, Cadence Design Systems, SiSoft, Sigrity**
 - **Experienced EDA vendors helped with the logistics**
- **Meeting logistics**
 - **Sign in table, name tags**
 - **Presentations, government speaker**
 - **Meeting banner, sign at entrance**
 - **Vendor tables, Huawei Technologies visit**
 - **Buffet lunch, key participants dinner, lunch, lunch with press**
 - **Laptop/briefcase bag, conference booklet**



Asian IBIS Summit - Pictures

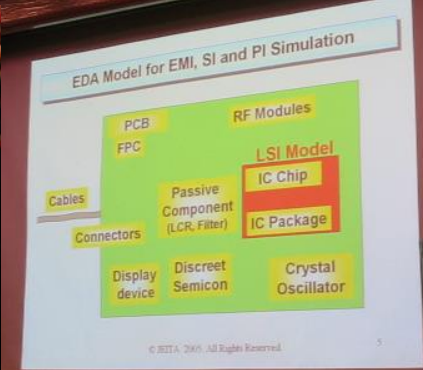


Top - Michael Mirmak (Intel) Welcome with Lance Wang (Cadence) as translator



Entrance sign (with earlier logo), participants

Asian IBIS Summit – Pictures



SIPI Top CW – Jinjun Li (Huawei)
Takeshi Watanabe (NEC, JEITA),
Raymond Chen (Sigrity)



Misc. Top CW – Zhiping Yang (Cisco/Apple), Barry Katz (SiSoft), Bob Ross (Teraspeed CG), Shiju Sui (ZTE Corp.) Shunlin Zhu (ZTE Corp.)

Asian IBIS Summit - Pictures



Lunch with PRC technical press



Some (international) participants and some presenters



Some Acquisitions, Mergers in IBIS

- **Cadence Design System**
 - **UniCAD**
 - **Sigrity**
- **Siemens (was a member and then dropped prior to acquiring Mentor)**
 - **Mentor Graphics Corp. (Siemens EDA, Mentor a Siemens Business etc.)**
 - **Innoveda**
 - **Interconnectix**
 - **Anacad**
 - **VeriBest**
 - **ViewLogic**
 - **Quad Design**
 - **HyperLynx (PADS)**
 - **Zeelan Technology (later Teraspeed Consulting Group and Teraspeed Labs as separate organizations)**
- **(With mergers splits, membership or parser ownership usually follows the active participants on case-by-case basis)**



Conclusions

- **IBIS Open Forum (IBIS OF) and the specifications have wide acceptance and adoption**
- **IBIS OF (30+ years) has outlasted many parent organizations and many member organizations**
- **Memberships and licenses can be transferred to the new organization**
- **The IBIS OF openness has worked well for IBIS adoption and growth**
- **IBIS has had successful international outreach**

