# IBIS Chair's Report and Roadmap

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Chair, EIA IBIS Open Forum

IBIS Summit
at DAC 2008
June 10, 2008

http://www.eigroup.org/ibis/
http://www.eda-stds.org/ibis/

# Agenda

* Organizational Status
* BIRD Queue
* Special Thanks
* A Call to Action!
* Backup
  – Task Groups
  – The IBIS Board

# Organizational Status

* GEIA and ITAA merger completed in April 2008
  – Information Technology Association of America (itaa.org)
  – Impact to IBIS operations minimal
  – Update planned for February 2009 IBIS Summit
* 2008 Events
  – Successful summits in Santa Clara and Munich
  – Planning for Shanghai and Tokyo (and Taipei?)
* Finances and Membership
  – Closed 2007 with positive budget and membership of 34

# BIRD Queue

* **BIRDs for IBIS 5.0**
  - **BIRD74.6**       **– EMI Parameters**
  - **BIRD95.6**       **– Power Integrity Analysis using IBIS**
  - **BIRD97.2/98.1** **– Gate Modulation Effect**
  - **BIRD103.1**      **– [Model Spec] DDR2 Over/Undershoot**
  - **BIRD104.1**      **– Algorithmic Modeling API**
  - **BIRD107.2**      **– Update to Algorithmic Modeling API**
  - **BIRD108**       **– Fixing Algorithmic Modeling API Impulse_Matrix Nomenclature**
  - **BIRD109**       **– S_overshoot_high/S_overshoot_low Clarification**

## IBIS 5.0 draft now in review

# Thanks to Our Board Staff

* **Syed Huq – Vice-Chair & Webmaster**
    - *especially for US summit logistics*

* **Randy Wolff – Secretary**
    - *handling minutes, other official documents plus GEIA and ANSI relations*

* **Lance Wang – Model Librarian**
    - *keeping our external IBIS model library up-to-date*

* **Bob Ross – Postmaster**
    - *maintaining reflectors and arranging international summits*

> **… and of course to you, the IBIS Community!**
> **Thanks for another great year!**

# A Call to Action

* **Two advanced standards are in development**
  - PCI Express* 3.0 (www.pci-sig.com): 8 Gt/s
  - USB 3.0 (www.usb.org): 4.8 Gt/s

* **Both are opportunities to demonstrate IBIS**
  - Both are industry-wide, requiring interoperability
  - Both likely to be highly popular and long-lived

* **Both would "stretch" IBIS and related standards**
  - Require eye diagrams and advanced measurements
  - Equalization, advanced package modeling, etc. expected

**To keep IBIS relevant and *ahead of the curve*, we must get involved *now* in demonstrating and updating IBIS to support these standards!**
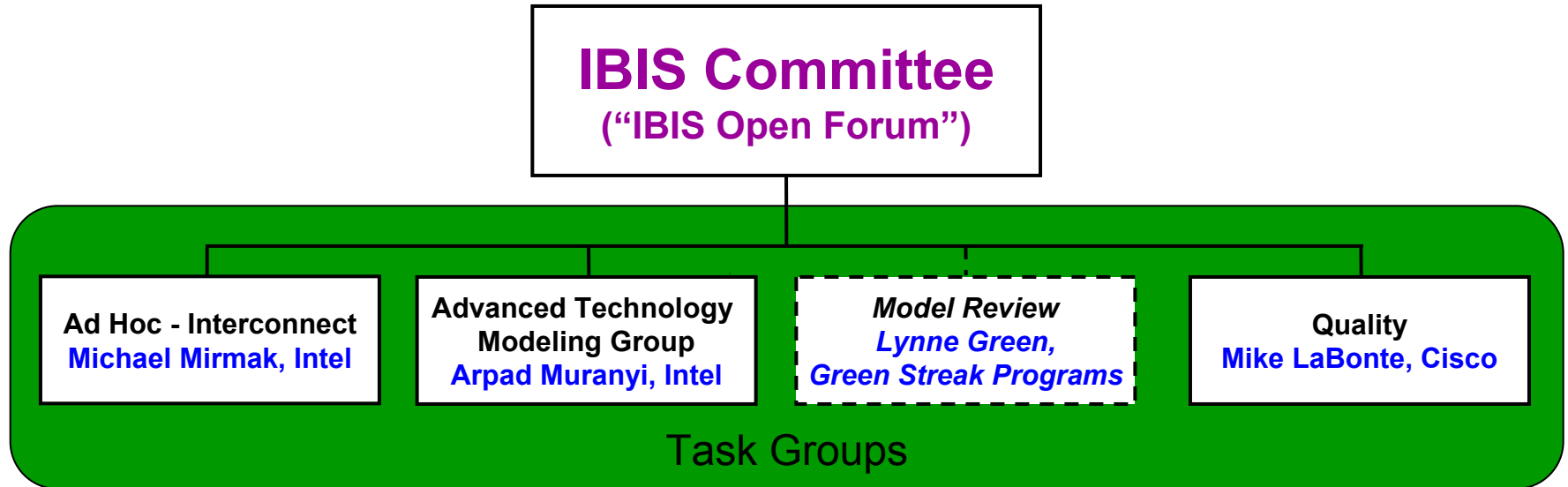
# A Call to Action

* **"Getting involved" can take many forms…**
  - **IC Vendors**
    * *Try to make IBIS models, using today's keywords, for your USB 3.0 or PCI Express\* designs*
  - **System Vendors**
    * *Check your analysis flows to ensure that the measurements you need for these standards are available in today's IBIS*
  - **EDA Tool Vendors**
    * *Check the IBIS-related feature set you offer against the requirements of these standards*
  - **All**
    * *If IBIS "comes up short" in any of these areas, propose the IBIS changes required to fully support both standards*

**Keeping IBIS vital means supporting standards *early*!**

# BACKUP

# IBIS Task Groups

**IBIS Committee**
**("IBIS Open Forum")**

**Task Groups**

| Ad Hoc - Interconnect | Advanced Technology Modeling Group | *Model Review* | Quality |
|---|---|---|---|
| **Michael Mirmak, Intel** | **Arpad Muranyi, Intel** | ***Lynne Green, Green Streak Programs*** | **Mike LaBonte, Cisco** |

<u>*Notes*</u>
- *The Cookbook Task Group has been suspended until critical mass of needed changes is achieved*
- *The Futures and Macromodeling Library groups have been combined into the Advanced Technology Modeling Group*
- *EDA vendors comprise Model Review, independently reviewing received models and providing feedback to model authors; no specification changes are recommended by this group and it does not hold meetings*

- Participation in the IBIS Task Groups is open to IBIS members and the general public alike

- Task Groups are created and Chairs appointed by the IBIS Chair
- Some issues are handled by Ad Hoc teams for BIRD development

2008 IBIS Summit at DAC

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# IBIS Board

**Chair**
- Is final approver of specification ballots
- Appoints Task Groups
- Tracks Finances
- Manages meetings and summits

**Vice-Chair**
- Manages meetings and summits in Chair's absence
- Usually acts as US summit registration contact

**Secretary**
- Tracks balloting, membership and GEIA relations
- Responsible for meeting and summit minutes

**Model Librarian**
- Maintains on-line model reference library

**Non-Charter Officers**

**Webmaster**
- Responsible for all web content
- Primary focus on events, specifications, roster and tools

**Postmaster**
- Responsible for IBIS reflectors (IBIS, IBIS-Users)
- Usually "first responder" to non-list participant questions