System Level Interconnect Prediction 2004

System Level Interconnect

- Isn't this an academic topic?
  - Yes, lots of academic papers
- Also a commercial topic
  - Sun's work on capacitive chip-to-chip coupling
  - Cadence's "wires first" methodology
- Even becoming a "business week" topic!
  - On Thursday, 2 days ago, this story appeared on optical interconnects……

SLIP 2004
Lou Scheffer

Here's a quote from a recent newspaper:

- "Intel said the technical advance […], is the first step toward building low-cost networks that will move data on light waves seamlessly between chips and computers and across large digital communications systems."

- Clearly, this is a System Level Interconnect development

What is this paper? Perhaps EETimes?

The New York Times

Advances in System Level Interconnect are now big business!

People who made this workshop happen

- Amir Farrahi – finance

- Igor Markov – technical committee

- Mike Hutton – publications

- Ion Mandoiu – publicity

- <u>Dirk Stroobandt</u> – local arrangements

  - Hotel, food, trips, and so on

  - Also the 'father' of SLIP

General etiquette

- Cellular phones off or silent
- This is a workshop – it's OK to ask questions
  - Raise your hand
  - Speaker may choose to address the question at that point, or can hold questions until the end
  - When asking a question, please state your name and affiliation
  - When replying to a question, please repeat the question so the whole audience can hear
- Meet and mingle at the breaks

Technical preview

- **Interconnect Analysis for SoCs and Microprocessors**

- **Models and Metrics of Interconnect Performance**

- **Interconnect Design and Optimization**

- **Interconnect in Communication Networks**

- **Unconventional Interconnects**

- **Statistical Interconnect Prediction**