Technical Session
Information and Power Point Presentation Guidelines

IEEE IAS Annual Meeting 2006
This file contains:

- General session information (2 pages)
- Background and text color guidelines (2 pages)
- Font Guidelines (1 page)
- Guidelines for graphs and figures (1 page)
- A Sample presentation (5 pages)
- A sample “bad” figure (2 pages)
General Session Information

• All presentations are scheduled for 30 minutes including questions
  – Specific details can be arranged with your session chair before the conference or at the author’s breakfast on the morning of your presentation

• Computer projection equipment and a computer will be provided in every session room
  – Always a good idea to bring your own laptop (as backup) whenever possible
  – Only Microsoft Power Point presentation software should be used—other formats are not likely to be supported
General Session Information

• It is your responsibility to
  – Coordinate the transfer of your presentation with your session chair for installation on the computer in the session room
    • A common approach is to bring the presentation to the conference on a CD or memory stick—consider bringing a backup copy as well
  – Verify that your presentation does not use fonts or other features that are not installed on the computer in the session room
Poor Color Choices

- This combination will be impossible to see - no contrast

- This combination can’t be read by people who are color blind

- This combination has good contrast but this dark background will blacken the room too much and if your font is too thin, it won’t be visible
Fonts

• Use ARIAL “Bold”
• Some fonts project poorly because line width is too thin
  – Times
  – Bookman
  – Americana

• Use as large a font as possible
  – Titles: 48-54
  – Main text titles: 32
  – Smallest text lines: 24
  – Anything below 24 is too small
Graphs and Figures

• Don’t make graphs complicated
• The audience can’t read a graph with too much information
• The audience can’t read a graph with lots of thin lines
• The audience can’t read a graph with dotted, dashed, or other specialty lines unless they are very bold and thick.
Sample Presentation

• Title Slide
  – May contain logo
• Text Slides
  – Do not contain commercial or corporate logos
• Schematic Slide
A 2.5V, 333MHz Embedded Memory with Differential I/O

Joel Stevenson, John Johnson, Skip Douglas and Jack Taylor
High Performance Design Center
Dallas, Texas

Your Logo Here
Outline of Presentation

• Motivation for Work
• Overview and Design Requirements
• Differential I/O Circuits
• Special Purpose Circuits
• READ/WRITE Mechanism
• Measured Results
• Conclusion
Differential I/O Circuits

\[ V_{\text{OUT}} = \text{tp0} \]

\[ V_{\text{IN}} = \bar{V}_{\text{IN}} \]

\[ \phi \]

- Text and drawing are visible to everyone
Conclusion

• Novel differential I/O technique reduces output driver latency 25%
• New charge-sharing sense-amplifier improves access times
• READ/WRITE circuit techniques allow further speed improvements
• Measured access times at 85°C were demonstrated above 100MHz
• Embedded custom array design achieves 10ns cycle at less than 5W in 44.5mm² area
“Bad” Figure Example on next page

- Too busy
- Too many lines
- Fonts too small
This Figure is way too busy