Effective Oral Presentations

Les Perelman

Figures removed due to copyright restrictions.

Agenda

- Preparing and Presenting a Technical Talk
- Visual Aids
- The Perils of PowerPoint

Steps

- Preparing a Talk
- Presenting your Talk
- Supporting your Talk with Visuals

Preparing a Talk

- Audience Analysis
- Time & Focus
- Organization
- Practice

Audience Analysis

Audience

What is your purpose?

- What change in the audience do you want to effect?
- What do they know?
- What some of them do not know?
- What do they want?
- What will interest them?

What will keep you audience awake?

Time and Focus

- Organize your talk to fit allotted time
- Talk as Verbal Abstract or Summary
- Cover only 3 or 4 important points

Three-Part Organization

- Tell them what you are going to say
 - Introduction
- Tell them
 - Body
- Tell them what you said
 - Conclusion

Introduction is Funnel

Introduction

- Gives background
- Prompts Interest
- Presents headlines
- Gives roadmap of talk

Place Important Information at Beginning and End



Body

- Follow roadmap
- Provide clear "road signs" marking transitions
- Repeat important points before moving on to next topic
- Use visuals for emphasis and to increase comprehension

Conclusion

- Two or Three Major Points
- "Take away" message

Practice

- By yourself
- In front of friends
- In actual space
 - Know thy space

Prepare backups

- Overheads
- Backup computers

Delivering the Presentation

Physical Presence

- Don't fidget
- Look at your audience
- Avoid clicking and clanging objects
- Don't read your talk

Become Comfortable

- It's about the content, not about you
- Decide how much you want to move
- Figure out hand placement
- Find friendly faces in audience
 - Have conversation

Vocal Presence

- Speak clearly
- Slow down
- Emphasize key word avoid monotone
- Practice to avoid um's, "ah's, & like's
- Avoid dropping at end of sentence

Take Breaths

HANDLE QUESTIONS AND ANSWERS

- Listen Patiently
- Repeat the Question
- Answer the Question, No More, No Less
- Make Transition Back to Presentation
- Don't Be Defensive or Bluff: If You Don't Know, Say So
- Offer to Fill in Blanks Later
- Handle "Problem" Questioners

WORK WITH VISUAL AIDS

- Establish Verbal Transition
- Reveal the Visual
- Point to Specifics
- Develop "So What"
- Remove Visual
- Turn Off Projector When Not Needed

Effective Visual Aids

Design effective graphics



Keep it simple

Don't be fancy

Don't Be Overly Complex

From "Jean C. Krausea and Louis D. Braida, "Investigating alternative forms of clear speech: The effects of speaking rate and speaking mode on intelligibility"

Focus on information

Not Cuteness

Don't Make Slides Ta

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The results of this study show that (1) at examined provided an intelligibility b talkers, the benefits of clear speed Specifically, a form of clear sp rates. Because the intelligib clear/normal over conv/ speaking rates (slow of rate, talker, ap

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g procedure indicated that the listener feedback ping clear speech. In particular, one talker noted that s of common phoneme confusions. He reported that this memes to emphasize. Other talkers expressed interest in rive noise in order to gain information on how to speak more he talkers believe they have natural strategies for speaking clearly in Moreover, these strategies may differ depending on the nature of the

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Typography

■ ≥ 20 pt

- Use bold sans serif typeface
- Do not use serif fonts such a Times New Roman
 - Microsoft's default font
- AVOID USING ALL CAPITAL LETTERS

Layout

- Landscape (Horizontal) Format
- Try to use a picture with every slide
- Be generous with white space

Color

Use

- dark type on light background or
- light type on dark background
- Avoid red green combinations

Avoid Using Red and Green Combinations



What is wrong

With this slide?





What is wrong with this background?

Text

- Begin with Headline
 - Short for most presentations
 - Whole sentences for scientific presentations
- Limit bullets to
 - ♦ 2-4 items
 - not more than two levels
- Keep text block to no more than two lines

The Perils of Power Point

- Do Not Use Design
 Wizard
- Do
- Not
- Use
- Fancy
- Animation

Do Not Use MS[™] AutoContent or Design Wizards

- Microsoft[™] is always wrong
- Some fun with AutoContent Wizard

A New pproach to Slide Design From Michael Alley

Rethinking the Design of Presentation Slides

Michael Alley Virginia Tech

Source: Chapter 4 in *The Craft of Scientific Presentations*

The audience remembers more when you use well-designed slides

For a technical presentation, you should set high goals for the presentation slides

Slides should help the audience during the talk

Slides should serve as notes for the audience after the talk

Slides should serve colleagues having to make the same talk

More effective than using PowerPoint's defaults is using a sentence headline supported by images

Sentence Headline

Support in Body

Our goal is to test a fillet design for turbine vanes downstream of the combustor

Combustor

Turbine vanes

[Pratt&Whitney, 2000]

The goal of the fillet design is to reduce vortices that disrupt the film cooling of the vanes

Our goal is to test a fillet design for turbine blades and vanes downstream of the combustor

Combustor

[Pratt&Whitney, 2000]

The purpose of the fillet design is to reduce vortices that disrupt the film cooling of the blades and vanes

In Summary

- Plan
- Pictures
- Practice, practice, practice &

Always leave them laughing

21W.747 Classical Rhetoric and Modern Political Discourse Fall 2009

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