

# Research Methodology

How to Present a Scientific Work

# Overview

- Presentation
- Presentation content
- Timing
- Question and Answer
- Some notes

# Presentation

- Tell them what you are going to tell them
- Tell them
- Then tell them what you told them

– Ian Parberry

# Presentation

- Start from the listeners!
- Figure out what they want to know
- Select the important parts of your work
- Be prepared to skip parts of it
- You may present it in another way or order compared to the paper/thesis

# Presentation Content

- Presentation
- Contents
- Background and introduction
- Related work
- The main part
- Summary
- Thank you. Any questions?

# An Example

- Put on a slide with title and name(s)
- Make yourself ready (slides, microphone, clock)
- Have the opening sentence well memorized
- Present yourself
- Present the message
- Define the problem
- Show an example demonstrating the problem

# An Example

- Prior work on the subject
- Summarize your contribution
- Present your results
- Technical slides with your method
- Conclusions
- Open problems
- “Thank you. Any questions?”

# Timing

- Give practice talks to time your presentation
- Never ever run over!
- Put a "check time" paper in your stack of slides
- Plan to leave some slides out
- The chairman will usually warn you when time is up

# Question and Answer

- Three types of questions
- The self-admirer
  - “Have you read Dr. Putz' paper?”
  - Compliment the guy, then move on.
- The attacker
  - “Your work is boring/irrelevant/wrong/old!”
  - Be polite and ask to continue afterwards.
- Genuine interest
  - Don't be afraid to say “I don't know” when you don't!

# Some Notes

- Have a supporting material
- Speak clearly
- Turn to the audience
- Have extra material available
- Master the technology
- Prepare answers to questions
- Practice before (alone and with audience)!

# Some Notes

- Not too many slides per minute
- Not too much text and graphics on each page
- Large and easily readable text
- Avoid mixed fonts
- Use short sentences or keywords
- Insert page numbers
- The text color has contrast to the background

# Some Notes

- Use power point animation properly
- Use high quality graph/figure/table/picture
- Special note to the beginning slides
- Proper use of movies/pictures/clip arts/macromedia flash/snipping tool
- Be cute!

# Some Notes

- Don't impress with hairy theory
  - Avoid a lot of technical details
  - Use a motivating running example instead
- Don't present more material than you have to
- Don't hide the problems with your method
- Don't just copy the text from your thesis/paper

# Some Notes

- Some nervousness is OK
- You are sharp
- Positive outlook
- Audience cognition
- Question inference
- Prepare to different audience control

# Some Notes

- Be well prepared, Training gives skill
- Have timing procedure
- Be in time
- Check tools and facilities
- Have multiple copies of the presentation file on different media
- Have a hard copy of the presentation file

# Some Notes

- Proper wearing
- Look the audiences/look all around
- Don't just read your notes
- Well speaking
- Be cheerful

Any Questions?

**THANKS FOR YOUR ATTENTION**