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Key Elements of Creating and Presenting High-Quality Presentations

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Aims: What are Motivations to Give a Technical Presentation?



- **Advertise your research**
- **Exchange insights**
- **Obtain feedback from your peers**
- **Develop a reputation as a knowledgeable deep thinker, and a good speaker**
- **Add to your curriculum vitae**

...

Aims: What are the Primary Reasons to Give a Technical Presentation?



Communication & Teaching

- Teaching knowledge that you have obtained with your research
- Communicating the methods and validation of results

Therefore,

⇒ anything that interferes with communication and teaching should be avoided

⇒ anything that enhances communication and teaching should be used



⇒ **anything that interferes with communication and teaching should be avoided**

- undefined and over use of acronyms: all acronyms must be clear!
- visual clutter, type too small to read, confusing and undefined symbols, poorly labeled plots, ...
- mannerisms that draw attention from your presentation
- anything that draws people's attention from your messages and forces the audience to take attention from your discussion
- ...

⇒ **anything that enhances communication and teaching should be used**

- (expert) use of pointer
- use of color to relate content on slides (e.g., physics to math)
- speaking to people in the middle of the room (teaching)
- clarity: using precise technical terms

Being Observant



An important learning tool:

OBSERVE OTHER SPEAKERS

- **Copy what is done well**
- **Do not copy what is done poorly**