Scientific Talks

Katharina Vollmayr-Lee
Bucknell University

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Scientific Talks – How To Give Talks

Individual Talks (Apr. 25 & Apr. 27): 15 min/person

Tuesday, April 25:

>**1:00 pm:** Alex; Michelson I
>**1:20 pm:** Harrison; Ising I
>**1:40 pm:** Connor; NMR
>**2:10 pm:** CJ; X-Rays I
>**2:30 pm:** Weilun; Diffusion I

Thursday, April 27:

>**1:30 pm:** Meg; G
>**1:50 pm:** Jake; Michelson II
>**2:10 pm:** Michael; X-Rays II
>**2:30 pm:** Katie; Diffusion II
>**2:50 pm:** Cameron; Ising II

The Host:

- ensures room is available, working projector & computer
- introduces speaker
- leads Q & A
- if no questions, host asks question
- as chair: keeps track of time

Goal: convey main ideas

$\longrightarrow$ be clear

$\longrightarrow$ communicate with your audience

Preparation:

- know subject (use lab notebook & do further background reading)
- slides (see more below)
- demo (if possible)
- practice (aloud, alone & for friend, time yourself) (15 minutes + 5 min for Q & A and next speaker to get ready)

Please feel free to ask for help!

Scientific Talks: Your Seminar Reports

Reflect on Notes:

Take a few minutes and look at your notes for your seminar reports. Make two lists:

- ▶ one list for what was well done in some of the talks
- ▶ one list for what was not so well done in some of the talks

Include in your lists not only content but also other "tool-techniques"

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Oral Presentation:

- volume
- right pace
- conversational style (do not just read, but use scientific jargon → difficult → practice)
- vary intonation, stresses and pacing

Non-Verbal (Body):

- use pointer
- eye contact
- facial expressions, gestures, posture, breathing
- dress code

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Slides:

- content: background, experiment, results, conclusions/future
- powerpoint or latex beamer (intro see below)
- main point?
- audience?
- clear transitions (coherent thread)
- large enough font
- use colors meaningful (e.g. no distracting background)
- repeat main points

Latex Beamer

Copy the necessary sample files (note that you need the period):

```
scp phys310@linux.bucknell.edu:talks/ .
```

Compile with

```
 latex beamer_example.tex ;latex beamer_example.tex ;
dvips beamer_example.dvi -o ; ps2pdf beamer_example.ps
```

and look at resulting talk with

```
atril beamer_example.pdf
```