Scientific Talks

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Individual Talks 10 min/person

Thursday, April 28:

1:00 pm: Michael; Solar Spectroscopy

1:15 pm: Bree; Michelson

1:30 pm: Leif; G

1:45 pm: Jessica; Radio Telescope

2:00 pm: Justin; Ising Model

2:15 pm: Nathaniel; X-Rays

2:30 pm: George; Michelson

2:45 pm: Yicheng; G

3:00 pm: Ross; Radio Telescope

3:15 pm: Noah; Ising Model

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) (10 minutes + 5 min for Q & A and next speaker to get ready)

Please feel free to ask for help!

Reflect on Previous Talks:

Take a few minutes and look at your notes for your seminar reports. Also reflect on other talks you have heard in the past. 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/simulation, 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

Sample File(s) for Latex Beamer:

The following files are also available on our course webpage.

(a) If you plan to use overleaf, then use

`~kvollmay/share.dir/talks.dir/beamer_example_All.zip`

to make a new project within overleaf.

(b) If you plan to use latex within the linux environment, copy the necessary files into your working directory with

`cp ~kvollmay/share.dir/talks.dir/beamer_example.tex .`

`cp ~kvollmay/share.dir/talks.dir/fig[1-3].eps .`

At the beginning of `beamer_example.tex` you find as comments the linux commands for compiling this sample tex-file and for looking at the resulting pdf-file.

Have a look at `beamer_example.tex`