Technical Presentations

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Reminder

- Have you selected two papers and had the papers approved by the instructor?

- Have you selected two presentation dates?

- Have you joined a group for group exercise and study?

- Have you started preparing your presentations?

Announcement

- Classes on February 10 and February 17

  - Dr. Ahmed Mohammed will be the guest lecturer who oversees the classes

  - Dr. Ahmed Mohammed will provide an assessment on presentation slides and oral presentation using the rubrics

  - Both classes will be video-recorded for review

Assignment

- Individual assignment
  - Presentations next Friday
  - Slides due the end of the day, Wednesday, February 8
  - 15 minutes presentation + 5 minutes of Q & A, in class, Friday, February 10
- Group assignment
  - Writing summary of a paper (see class website)
  - Submit meeting log & summary by 2PM, Friday, February 17
  - Must use the templates

Acknowledgement

- Many talking points in the slides are from Professor Neil Dodgson's Research Skills class

    - See http://neildodgson.com/index.php/research-skills

To teach, or not to teach?

- What I can teach you will not make you a great speaker.

- What I can teach you is not to make common mistakes.

You need to prepare

- To begin, think about 5W's

- When?

- Where?

- Whom?

- Who?

- What?

When?

- How much time do I have?

  - 5 minutes?

  - 15 minutes? (this class)

  - 30 minutes?

- What time of day?

  - Morning?

  - Afternoon?

  - Immediately after lunch?

Where?

- What is the venue like?

  - What kind of technology does it have?

  - Is there a podium?

  - How big is the room?

Whom?

- Who are the audience?

- What is the background of the audience?

- What do the audience expect of me?

  - For this class, what does my instructor expect of me?

- What do I want the audience to do?

Who?

- What is my presentation style?

- Am I nerd, comedian, or somebody else?

What?

- What is the fundamental purpose of my talk?

- What is the story?

- What is my absolutely central point?

Next, think about presentation structure

- Commonly adopted structure

  - Who?

  - What?

  - Why?

  - How?

  - Where?

Who?

- Tell the audience who you are

  - Your name, title, affiliation, date, venue

- In this class, you are presenting other people's work

  - Whose work? Where is the work published? When is it published?

CSCI 400/610/611

What?

- What is the key idea?

Why?

- Why is it important?

- Why should the audience care?

How?

- Scientific details
  - Hypothesis
  - Methodology
- Technical details
  - System design
  - Algorithms
- Evaluation
  - Methodology
  - Results

Where?

- Where does it lead to?

- What is the future work?

- Can people make improvement?

Think about credibility

- You just started or will start a professional career, how do you make your presentation credible?

Preparing Presentation Slides

- First, don't treat a presentation as reading a paper

  - Presentations are one-dimensional (different to cross-referencing)

  - Papers are multi-dimensional (frequently referencing different sections and others work)

Tell one story

- Tell one logically coherent story

Audience cannot read

- One point per slide

- Sufficient space

- Slide space: head, important, repeating/non-important

Audience cannot see

- Color contrast

- Font family

  - sans-serif vs serif

- Font size

- Size of figure

How to become a better speaker?

- How to make better technical presentations?

- It takes a lot of work.

- You need to reflect on your presentations

- You need to learn from others
  - Watch videos & presentations listed under "02/03" in the class website

Summary

- Greater speakers are not born, greater speakers are made

- Prepare, prepare and prepare

- Rehearse, rehearse, and rehearse