

Objectives

- Discuss research paper
- Presentations

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Paper Discussion

- Overall problem
- Goals of researcher
- Contributions
 - Keywords: new, novel
- Technical approach
 - Key insights (“leverage”, “utilize”)
- Evaluation
 - Answers all your questions about approach?
- Limitations
 - May not be a general-purpose solution
 - Check assumptions

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Paper Discussion

- Threats to validity of experiment
- State of the art/related work
- Broader impacts
- Future work

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General Presentation Outline

- Intro/Motivation
 - Problem is big, important, difficult
- Background
 - Terminology, technology, domain
- Ideas
 - Described clearly, with examples
 - Provide intuition
- Evaluate ideas
 - Proof
 - Experiments – methodology, repeatable
 - Analyze data, draw conclusions
- Related Work
 - Other people working on similar problems
- Conclusions, Future Work
 - This is what we learned
 - It's not the end...

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Your Submissions

- Looking good
- Explicitly note where you're talking about the *problem*, *technical approach*, *evaluation*, *etc.*
 - Good habit for research
 - When comes time to write related work, can more easily get to information

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Presentation Outline

- ~50% Background
 - Introducing, motivating problem
 - Terminology
 - State of the art
 - What has already been done in this area
 - Limitations of those solutions
- Technical approach
- Evaluation
- Related Work
 - Put work in context with related work
 - May already be in SotA
- Conclusions/Contributions
- Future Work

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Reviewing Candidates' Presentations

- Ability to explain concepts and ideas
- Language and clarity of speech
- Ability to spark your interest
- Whiteboard techniques (if applicable)
- Ability to handle, clearly answer questions
- Would you like to take a course from this person?
- Overall evaluation

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Formal Summary

- Post to Sakai forum for talk
- Content
 - Overall impressions of talk
 - Best part of talk (interesting, good presentation, etc.)
 - Most need of improvement
 - How well answered your questions beforehand
 - A lingering question

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Asking Appropriate Questions

- Not appropriate
 - "On page 7 paragraph 3 sentence 2 of your paper, you said ..."
 - "How can you possibly claim that?"

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Next Paper

- Is loooooong!
- Focus on
 - Abstract, intro, conclusions
 - Sections 2.5, 3, and 4
- Summary is due on Wednesday by 10 a.m.

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Our Schedule

- Monday: Candidate Talk
- Wednesday: Review Candidate's Paper
- Friday: Review Candidates' Talks, Algorithms lecture
- Monday: Algorithms lecture
- Wednesday: Review Candidate's Paper
- Friday: Review Candidate's Talk, Algorithm lecture

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