

## **NOTE**

Paper selection and reading

# Note: Paper selection



- Reading list:
  - A list of papers will be provided from the top conferences in this area
  - Students can also nominate their papers (with due permission from the instructor)
- Paper assignment:
  - FCFS bidding process
  - Two students per paper/topic (*see the list*)
  - Please indicate your preference by semester's **1st week**

# Guidelines for paper reading



- Follow Keshav's three-pass approach (see references)
  - First pass: Get the general idea (5-10 minutes)
    - Read the abstract, introduction, conclusions
    - Check section headings, and references
  - Second pass: Grasp the paper's content (1 hour)
    - Read the full paper, ignore proofs/details
    - Carefully read the figures, identify key points
    - Mark important references
  - Third pass: Understand the paper in depth (4-5 hours)
    - Try to understand everything and reconstruct the approach
    - Be critical, challenge assumptions, validate the state-of-the-art
    - Possible generate your own ideas

# References

- How to read a paper
  - S. Keshav: How to Read a Paper
    - <http://ccr.sigcomm.org/online/files/p83-keshavA.pdf>
  - Philip Fong: How to Read a CS Research Paper
    - <http://www2.cs.uregina.ca/~pwlifong/CS499/reading-paper.pdf>