Research Methods in computer science

Spring 2017

Lecture 7

Omprakash Gnawali

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Agenda

HW3 Live Grading

Paper Review Recap

Conference Organization

Assignment

An Evaluation of the Ninth SOSP Submissions or How (and How Not) to Write a Good Systems Paper by Roy Levin and David D. Redell

How NOT to review a paper The tools and techniques of the adversarial reviewer by Graham Cormode

Classes of papers

Survey

New algorithms

New datasets

New applications of old ideas

Model/theory/understanding

Criteria for Evaluation

Original Ideas

Reality

Lessons

Choices

Context

Focus

Presentation

Coping with Criticism

Keep it professional

Don't take it personally

Understand it

Respond at the right time

Challenge as appropriate

http://ckscience.co.uk/candidate/career-zone/work-place-advice/5-ways-to-deal-with-criticism-at-work/

Do unto others as you would have them do to you. – (lots of places)

A Paper Review

"While the exercise is useful, the paper does not have any new concepts or implementation caveats that I think are worth publishing. All of the design description seems straightforward integration of existing systems. The evaluation is also very weak."

--- excerpt from a review received by the instructor

A Paper Review

"Despite the limited practical applicability, I find the paper interesting for the sheer courage to try something out of the ordinary and to properly explore its limits."

-- excerpt from a review received by the instructor

How to Review a Paper?

- Form and Content

- Parts of a paper
  - What do you expect in each paper?

How to Review a Paper? - Considerations

Novelty

Importance

Generality

Rigor

Insights

We looked at a few examples of paper reviews.

Conference Organization

Different roles

- General Chair
- Finance Chair
- Arrangement Chair
- Technology Chair
- Program Chair
- Publication Chair
- Technical Program Committee

Schedule for activities

HW4 – Metrics and Experiments

Identify/study metrics and experiments in the papers.