# CE7451: Research Methods in Computer Science & Engineering
## Literature Review

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August 19, 2013

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# Today's Focus

Various types of technical literature that exist, and what does it mean to "review" them

# Disclaimer

Although I will present most of the examples from a specific area in Computer Science (namely, real-time systems), the conclusions drawn are general and widely applicable at least in Computer Science & Engineering, and possibly even in Science & Engineering

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- ▶ IEEE Computer article on Cyber-Physical Systems

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Example
Some example review lines you can use too!

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- ▶ Irrespective of what you are trying to solve, someone has already done something that you can bootstrap from!

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- It is OK to read a technical paper like a novel; reading 2 words, skipping the next 5, reading 2 words, skipping the next 5, . . .

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The Piled Higher & Deeper
## Paper Review Worksheet

Stuck reviewing papers for your advisor? Just add up the points using this helpful grade sheet to determine your recommendation.

No reading necessary!

| | |
|---|---|
| Paper title uses witty pun, colon or begins with "On..." (+10 pt) | |
| Paper has pretty graphics and/or 3D plots (+10 pt) | |
| Paper has lots of equations (+10 pt) (add +5 if they look like gibberish to you) | |
| Author is a labmate (+10 pt) | |
| Author is on your thesis committee (+60 pt) | |
| Paper is on same topic as your thesis (-30 pt) | |
| Paper cites your work (+20 pt) | |
| Paper scooped your results (-1000 pt) | |
| TOTAL | |

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Reaction to paper review