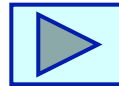


“Overview, Algorithms is Cool”

□ Lecture Topics and Readings

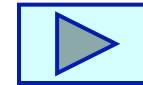
❖ Course Overview...



❖ Algorithms is Cool



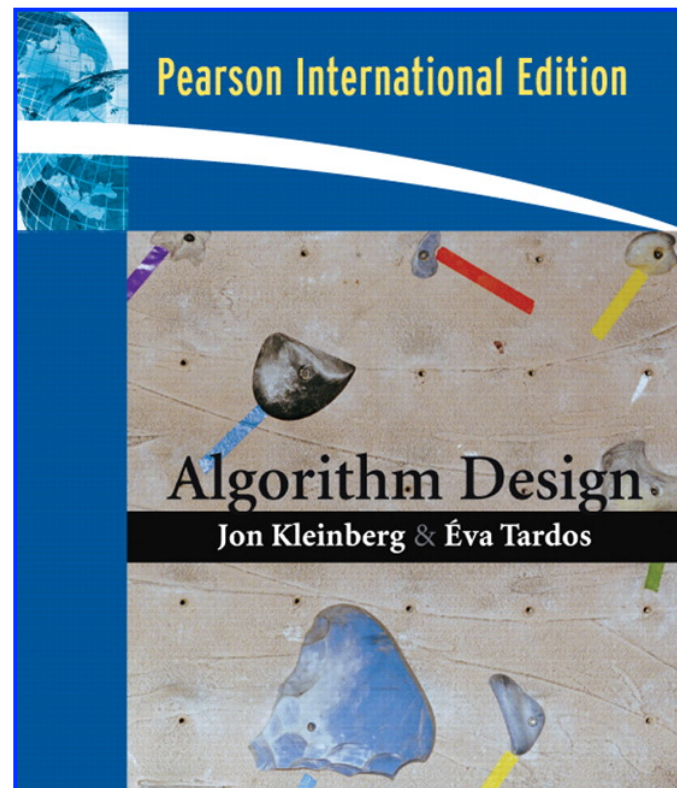
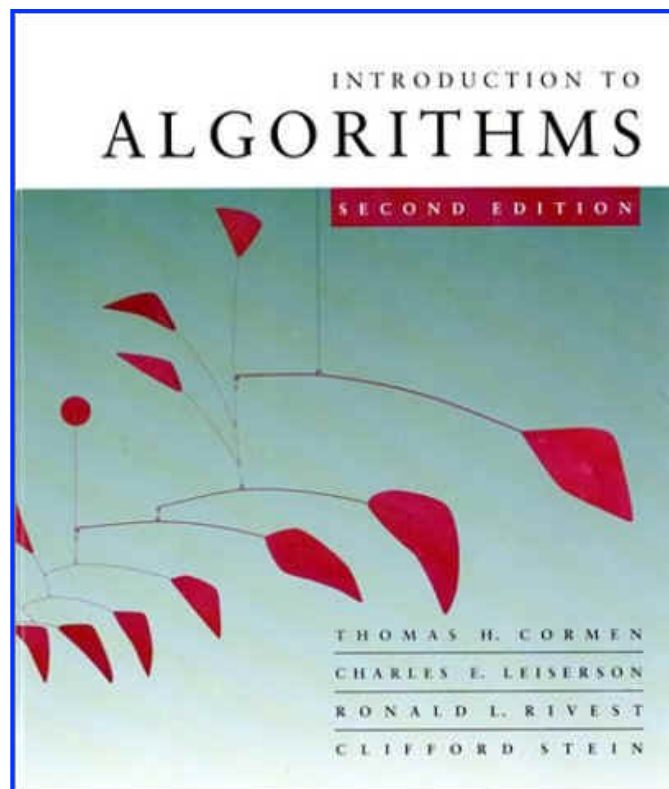
❖ Mining Communities in Large Graphs



❖ Your team Project

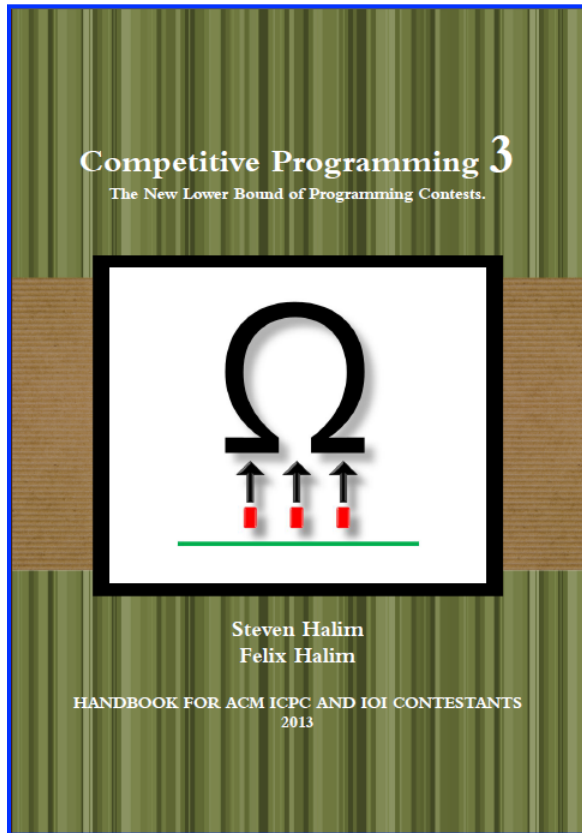
*Algorithms is Cool & FUN.
Communities are everywhere
Team project requires GOOD TEAMWORK.*

[CLRS] and [KT06]



Two good books on
algorithm design and analysis.

[CP13]



Good book on
competitive programming.
By our very own
Steven Halim and Felix Halim



**Chief Architect
of VisuAlgo**

Trip to Prof Kal's university...



Detecting Communities in Large Social Networks

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Talk @ UTAR, 8 May 2014

Hon Wai Leong, NUS

(Detecting Communities) Page 1

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Hon Wai Leong, NUS

<https://www.facebook.com/photo.php?fbid=10152122148331239&set=a.10152116054231239&type=3>

Lessons Learnt:

Analysis of Algorithms helps:

- * Make predictions
- * Prepare for worst-case

Designing algorithms is Cool

- * Can even help win Nobel Prize

Algorithms is a Cool technology

- * Algorithms is A&E

Thank you.

Q & A



School of Computing