Introduction to Graduate Study in CSE

CSE 591
Lecture 23
Prof. Patrick Crowley
Plan for Today

• Questions

• Today’s discussion
  – Finding and finalizing your advisor
  – Ethical Practice of Research and Scholarship
  – Semester in review

• Final reading assignment
Finding & Finalizing your Research Advisor

• If you have a research advisor
  – Have your advisor notify Madeline

• If you do not have one
  – Do you have preferred prospects?
  – Are you interested in talking to others?
  – You will likely be a TA in the Spring if you don’t have an advisor yet

• Send me an email message if you want help connecting with a faculty member with an open funded slot

• Now is the time to make things official!
Today’s Discussion

• Introduction to Ethical and Responsible Research

• Research Integrity

• Data Ownership

• Responsible Authorship
Ethical Principles

• All of research and engineering is balanced on the assumption that researchers and engineers act ethically

• Individual careers are easily ruined by unethical behavior
  – One act of plagiarism or falsification can end a career

• High-impact research is aided by uncompromising honesty
PERCSS at Wash U

• Program for Ethical and Responsible Conduct in Science and Scholarship (PERCSS)
  – provides on-line learning modules on the ethical conduct of research

• We will work through 4 of the modules together

• You can access this directly
  – research.wustl.edu/Resources/PERCSS
  – Or http://percss.wustl.edu
The Semester in Review

• Completed two month-long research rotations

• Seen research presentations from 10 professors in the department

• Seen presentations from Wash U staff
  – Libraries
  – Teaching Center
  – Engineering Communications Center

• Seen CSE-focused communications lectures
  – How to write a great research paper
  – How to give a great research talk

• Spent time thinking about other important topics, such as choosing research problems, how funding decisions are made, and ethics in research and scholarship

• Thanks for a great semester. Good luck!
Assignment

• Final assignment:
  – Read “On Being A Scientist” from the National Academies
    • Follow URL on course calendar, fill out a brief form to download the free PDF