Coming up with your own project

- Find a problem or area in networking that you like, ideally, one that really excites you

- Then, address the following questions:
  - Has a solution been proposed to this problem?
    - If so, what do you think of it?
  - If a solution has been proposed, has it been evaluated properly?
  - If the system has been simulated, does anyone understand its mathematical properties?
  - If the system has been simulated, has it been implemented and its performance studied under realistic conditions?
    - Do the simulations, math, and reality match up?
Coming up with your own project (cont.)

- Is the solution scalable? Secure? Robust to failures, both expected and unexpected?

- Will it work in heterogeneous environments and does it contain embedded, unrealistic assumptions about the environments in which it will run?
  - Will it stand up to coming advances in technology?

- If several solutions have been proposed, has anyone performed a comparative study of them?

- Why do some schemes work better than others? Can we characterize the conditions under which some schemes work better than others?