Suggested Guided Questions for the Engineering College Council

1. Should the College of Engineering faculty be working on overarching *grand challenges*, e.g., world hunger? If so, what are they?

2. What trends and opportunities do you see in the next 5 years for research funding (federal, state, industry, industry) and how should the College respond?

3. Should the College engage in more applied research? Should we be engaged in classified (e.g., through the Department of Homeland Security), secret, or corporate confidential research? What are the advantages and/or risks in doing so?

4. What is your reaction to the presentations by Professors Leibovich, Shuler, Strogatz, and Wicker?

5. We can measure the size of our research programs through metrics such as research expenditures, the number of graduate students supported, and the number of publications, but how should we measure, evaluate, and enhance the quality, impact, and visibility of our research?

6. For faculty that are not as productive in their research as they could be, how can we help them renew/revitalize their research or help faculty transition to retirement?

7. Should Cornell have "research faculty" who exclusively focus on research (i.e., do very little teaching) in addition to our current tenure-track faculty?

8. Are their opportunities for research collaboration with European companies or other overseas corporations?

9. How can we more effectively utilize Cornell's medical school in NYC?

10. Should faculty in engineering partner more in research with faculty in social sciences, humanities, architecture, law, or the hotel school?   (These are the areas with less research collaboration.)

11. How can we develop strategic alliances with industry in our six broad areas of research?

12. Should we prioritize the six broad research areas to best increase the quality, impact, and visibility of our research? What criteria would you use?

13. How should we couple college wide resources (e.g., faculty hiring) with our research aspirations?