

# Industrial Partnerships

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for the  
Engineering Advisory Committee  
May 3-4, 2006



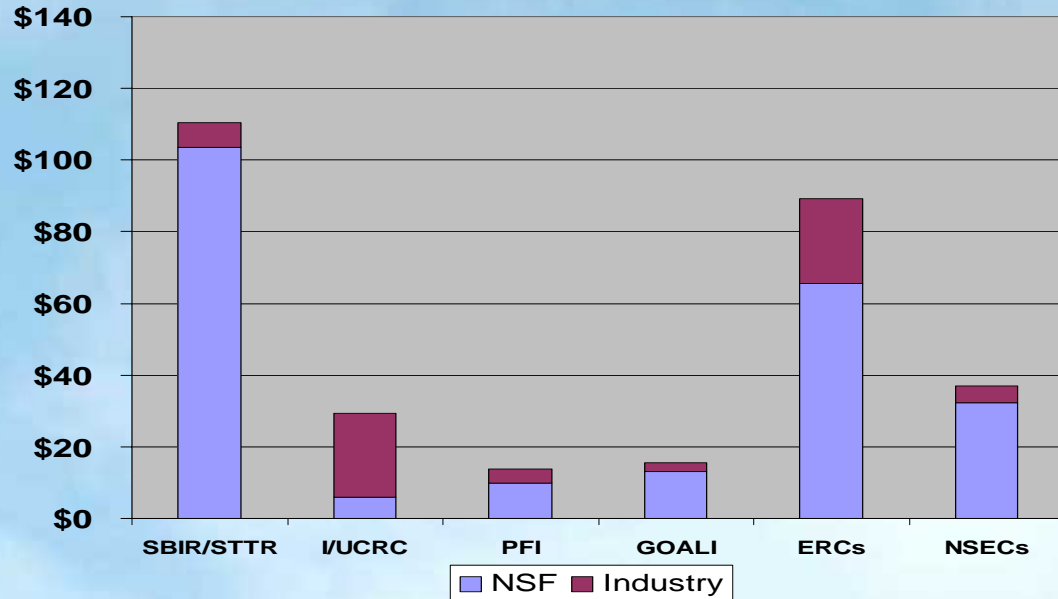
# November Engineering Ad Com Recommendation

- “. . . that NSF/ENG pursue the idea of convening a group of industry thought leaders to look at ways to leverage industry funding/participation in research. “
- The essence of the recommendation and discussion with Dr. Bement:
  - Can ENG break some of the paradigms as to how matching funds are made?
  - Would NSF be supportive of a workshop or meeting with industrial thought leaders across the country to look at ways to collaborate and match government funding for research?
  - Dr. Bement encouraged this idea indicating ENG is at the front line for innovation and growing the economy.
    - He also encouraged the group to bring in state and local governments. Innovations ought to start at the state and local level.
    - NSF is focused on development of new concepts through frontier research and integrating education and research.

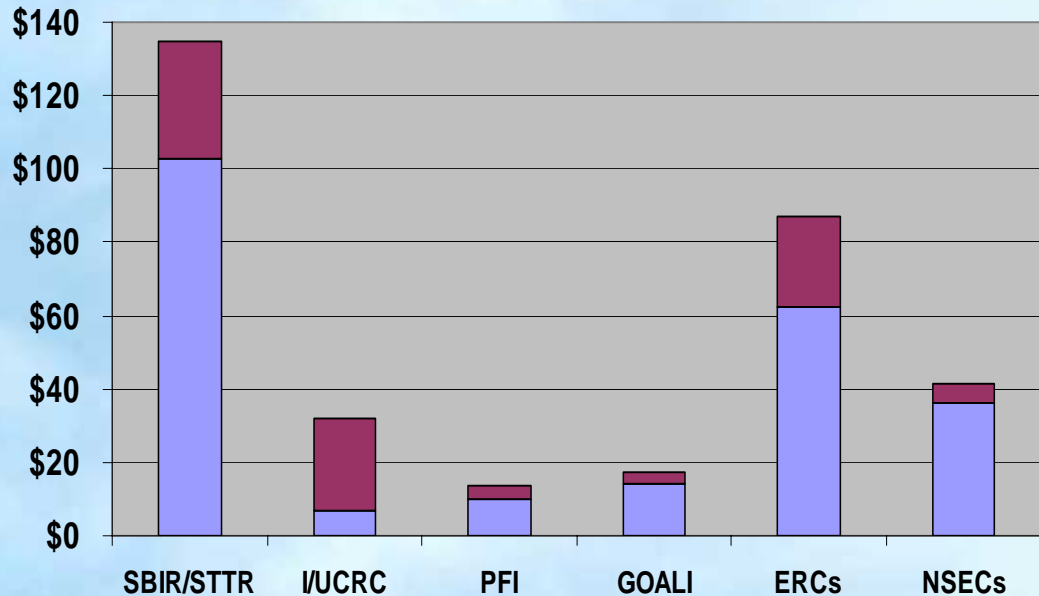


# Industry Investment in ENG Based Programs and NSF Centers

Programs in 2004



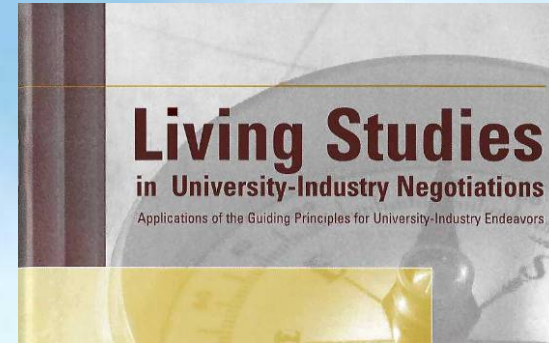
Programs in 2005



# Re-Engineering the Partnership: Summit of the University-Industry Congress

[http://www7.nationalacademies.org/guirr/U\\_I\\_Summit\\_Agenda.pdf](http://www7.nationalacademies.org/guirr/U_I_Summit_Agenda.pdf)

- When and by Whom
  - April 25, 2006, at the National Academies,
  - National Council of University Research Administrators and Industrial Research Institute.
  - Top level involvement by: Jared Cohon, CMU President & Stan Williams, Senior HP Fellow and Bob Killoren, PSU Assoc. VP for Research; & Susan Butts, Dir. of External Technology for Dow.
- The “Guiding Principles for University-Industry Endeavors”
  - “... should support the mission of each partner. . . .”
  - “... focus on fostering long term partnerships ...”
  - “... focus on the benefits to each party ... by streamlining negotiations to ensure timely conduct of the research and development of the research findings.”



Casey, Jr. and Bruce M. Kramer  
Report of a Joint Project of the  
National Council of University  
Research Administrators and  
the Industrial Research Institute  
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# Promoting Partnerships that Support Commercialization

- When and By Whom
  - Appendix to the Draft Report of the Advisory Committee for SBIR/STTR Programs that met January 24-25, 2006.
  - Primary author is OII Ad Com member Albert Johnson of Corning
- What
  - Extensive discussion on ways to promote industry-university partnerships.
  - Policy documents that bear on this matter include the Bayh-Dole Act, and IRS procedure 97-14.





# Universities and Businesses Partnering for the Knowledge Society

- When and by Whom
  - Fifth Glion Colloquium held in Switzerland, June 2005.
  - Edited by Luc E. Weber and James J. Duderstadt, with contributions by 30 leaders in academe and industry in the US and EU.
- From the preface:
  - Consensus and differences in in perspective of participants from Europe and the US.
  - Emergence of a global, knowledge-driven economy has created an even greater dependence of society, business and industry on research universities for advanced education, R&D, innovation and entrepreneurship.

## Universities and Business: Partnering for the Knowledge Society

*Luc E. Weber*

*James J. Duderstadt*



ECONOMICA



# Advisory Committee Discussion

- In light of this recent activity, should the ENG Ad Com establish a working group to review and provide advice on actions?
- Are there ongoing activities we should engage in to respond to the ENG Ad Com recommendation?
- By engaging industrial thought leaders, could this be an opportunity to advance broader ENG goals, e.g., *Overarching Engineering Innovation Goal* or *Public Understanding of Engineering Goal*?

