



Knowledge Exchange

- HKU defines KE as "engaging, for mutual benefit, with business, government or the public to generate, acquire, apply and make accessible the knowledge needed to enhance material, human, social, cultural and environmental well-being."
- My focus will be on "business."





Universities are truly a tried and tested source for new businesses!

"companies started by M.I.T.' s graduates, faculty and staff generate annual world sales of \$2 trillion."

NY Times, 6/7/11





Causes for Decline

- No recent breakthroughs
 - Boom in startups followed breakthroughs, e.g., integrated circuits
 - The last breakthrough was the Internet
- Wide gap between discovery and commercialization
 - Especially true for the hard sciences
- Excessive competition







Proventies Contraction of the co

Successful Industrial Companies

- High barriers to entry
 - Technology important, but not primary
 - Reliance on infrastructure, complexity, and execution
- Focus on strengths
 - Maintaining high value added
 - Predictability and sustainability
 - Many have exited high-tech businesses





Example of Open Innovation (Siemens)

- Technology to Business (TTB)
 - Find match between new technology ideas and Siemens' needs and opportunities
 - Close gap through development
- Centers for Knowledge Interchange (TKI)
 - Berkeley and MIT in the US
 - Special long term relationship





Possible Near Term Actions

- Develop strategic plan
 - need specific goals and measurable objectives
- Create "germination center"
 - not incubation
 - leverage ASTRI?
- Stage "Open Innovation Fair"
 - identify and outreach to potential "customers"

