Industry Strategy @ GT

IPST Members Meeting
April 10, 2012

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Georgia Tech
GT Express Strategy Related to Industry

- **Innovation Institute**
  - IRCs are a point of entry for businesses seeking to engage GT

- **Solicit globally significant grand challenges from IRCs**
  - Clean Water
  - DNA sequencing of every case of cancer
  - Nanotechnology- tissue specific drug delivery
  - Reliable, long-term data storage
  - Making solar energy more economical
  - Preventing nuclear terror
  - Sustainability

- **Collaborative partnerships where technology meets the arts, design, medicine and the law**

- **Be a test bed for research and application**

- **Create a virtual GT campus**

- **Establish collaborative partnerships**
Pro Forma GT Industry Vision

To be the "Go-To" university for companies to solve industry-relevant problems and accelerate transition to industry use.

– Earn rights to the questions:
  • "What does GT think?“
  • “What does GT do?”

– We will do this through collaborative relationships across research disciplines at GT as well as needs-aligned companies and research institutions throughout the world.

– We will leverage our strengths and develop capabilities consistent with the needs of targeted companies' known and unknown needs.
The “One GT” Research Enterprise

*Powered by ideas, led by faculty, served by professionals*

- Intellectual Rigor
- Problem Solving
- Systems Focus
- Interdisciplinary
- Global Impact
- Transition to Use

Strategic Theme Areas

Colleges

GTRI

EI2 Corp Relations

GTRC

Professional Support

Support Services – Personnel, Facilities, …
Industry and Economic Development Research Portals

“Custom solutions for every company”

• “Big Data” — High Performance Computing, Computational Science
• Biotechnology & Biomedicine
• IEN - Electronics and Nanotechnology
• Manufacturing, Trade and Logistics
• Materials — bio-inspired, carbon-based electronics, composites
• National Security
• IPST — Paper Science & Technology
• IPAT — People & Technology – Health, Education, Entertainment, Enterprises
• Public Service, Leadership & Policy
• Robotics – Test & Evaluation, Training, Military and Commercial Apps
• Sustainable Infrastructure — Energy, Sustainability, Transportation, Water
• Systems — Aerospace, Mechanical, Space