Information and Technology
Visioning Sessions Raw Data from Spring 2012

Twenty groups totaling more than seven hundred individuals gathered for focus group sessions over the Spring 2012 semester. Represented in these groups were faculty, academic professionals, civil service staff, graduate students, undergraduate students, alumni, community members and corporate leaders. In the sessions, the participants answered the question: What distinctive and signature role Illinois can play in addressing those issues in the next 20 to 50 years? **In other words, what specific strengths do we currently have that we can build upon to tackle this issue?** The following includes two sets of information: first, reports that have been completed in recent years on the topic and, second, the responses to the question that was collecting during the Visioning Excellence sessions and surveys. This is not a comprehensive list.

*The subcategories for Information and Technology:*

- Communication technology
- Innovation and discovery
- Technology use
- Cyber security
- Infrastructure and transportation
- Technology access
- Data management
- Medical technology
- Education technology

**PART 1: RECENT REPORTS**

- Campus Technology Evaluations: [http://www.cites.illinois.edu/reference/learningtech/research/evaluation.html](http://www.cites.illinois.edu/reference/learningtech/research/evaluation.html)

**PART 2: RESPONSES FROM VISIONING EXCELLENCE SESSIONS**

*Selected individual responses:*

**Research centers, institutes, programs, and labs:**

- Academy of Entrepreneurial Leadership
- Beckman Institute - Centers designed to have interdisciplinary exploration of this subject
- Blue Water/ NCSA
- Illinois Cyber Security Scholars Program (ICSSP)
- Information Trust Institute
- Illinois Informatics Institute (I3)

**Attributes/Knowledge Areas:**

- #1 information science school in nation
- Access to latest technology
- ACES
- Advanced computational sciences (CEE, CS, NCSA)
- Alumni network in this area
- Application of tech in gaming and media studies
- Applied research
- Archives and libraries
- Art and Design
- Astronomy
- ATLAS Instructional centers - faculty and students
- The Beckman Institute
- Campus Data Stewardship committee activities
- Campus dialogues (cross departments, divisions)
- Center for research in small urban communities
- Close ties to industry
- College of Engineering (Computer Science)
- College of media (Create a viable future for high-tech journalism)
- Commitment of industry to tech at UIUC
- Communication (LAS)
- Communication bridging rural-urban spaces
- Computer engineering & computer science. Educate more people in cyber security
- Computer science: software development and research
- Connect disciplines with IT resources multimedia learning objects
- Connect IT and law as a discipline
- Consensus interfaces
- Coordinated Science Laboratory
- Corporate partnerships
- Corporate research partners
- Credit for alt. ways if teaching
- Critical thinking about technology
- Cutting edge of open data at our own universty
- cyber physical systems
- Cyberinfrastructure work
- Data Computer Science library math/statistics business
- Data computing lab
- Data intelligence - business analytics
- Data intelligence - MIS dept
- Data processing
- Developing entrepreneur
- Digital access to resources (books online)
- Digital humanities
- Distance learning in arts humanities and sciences
- Domain knowledge
- ECE
- Economics department
- Education innovation research dissemination
- Electronics/prosthetics
- Engage in continuous education
- Engineering strength

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• English "critical thinking"
• Engineering online program strength
• entrepreneurial development
• Extension youth programs
• FLAS fellowship
• Focus on interpersonal skills at young age
• Genomic research
• GSLIS is exploring the intersection between people and technology
• GSLIS, Data Curation concentration
• High Performance computing
• History of public engagement with technology innovation
• History of technology Excellence
• Human element in technological development
• Human-Machine interface research
• Illinois research park
• Info Handling
• Informatics
• Information trust institute, lead world in research of new threats
• Information/Communication technology
• integrating online/synchronized systems across the entire campus (class registration, wifi, etc)
• International students and ties in home country
• Investment in technology
• IPRH
• IT Entrepreneurship, mosaic, siebel, plato, yelp, share this, youtube, paypal
• IT leadership history
• KCPA, Krannert Art Museum, hubs of creative thinking on issues of tech
• Leadership center
• Library and Information Sciences
• NCSA #1 Super computer
• NCSA computational technology application
• NCSA petascale computing
• NCSA, wireless buildings, online classes
• NCSA-Blue Waters
• NFC technology
• Nobel Prize winners
• NRES
• Obtain partnerships with corporations for technology improvements
• Office of technology management
• Online education
• Open training for technologically underserved
• Our cites system
• Our integration of engineering research with other disciplines
• Our rich tradition in engineering technology and communication research
• Our willingness to share our knowledge and research in engineering and technology
• Outstanding facilities and faculty
• Physics department
• Quality business classes to address data mining and organization
• Rail transport program
• Reputational/trust research
• Research into alternative energy resources (wind, solar, geothermal, etc.)
• Research opportunities for undergrads
• Research park
• Research park expansion support
• Research Park/Research on electronic identities and use/control of whose identities
• secured and safety critical systems
• Sensors and devices
• School of literatures, cultures and linguistics
• Smart agriculture
• Social media: alumni successes and connection to students
• Social media: development
• Tech transfer OTM
• Technology - allocate more resources on R & D on technology
• Technology entrepreneur center (Illinois Prosthetics Team)
• Transnational structures
• Transparency in voting communication
• Transportation system
• Transportation to bridge urban and rural
• UC2B
• Underwater exploration resources and their utilization
• University Library professionals & programs focused on research data curation and preservation
• Utilize massive talent at UIUC - materials -> social sciences -> policy
• Visualization of data
• Wheelchair rehab technologies
• WILL
• Writing studies program