The Office of Technology Management

An OTM for the Entire Campus

The OTM worked with more than 70 departments and units last year, including Journalism, the School of Music, Linguistics, and Campus Recreation.

Disclosures from around campus have included:

- New designs for household products
- Improvements to musical instruments
- Campus mobile apps

OTM's Mobile Application Services Are Popular Across Campus

The OTM has received 15 mobile application disclosures since announcing in early 2011 that the office can help developers of UI-owned apps gain access to developer tools and submit apps to the marketplace. Twelve of the 15 apps were disclosed in 2012, reflecting increasing momentum for app development on campus.

One of the most striking aspects for OTM has been the number of units across campus represented by our app developers. Sixteen different units are affiliated with the apps disclosed so far. They are:

- Administrative Information Technology Services (AITS)
- Business
- Civil & Environmental Engineering
- Computer Science
- Crop Sciences
- Education Administration
- Electrical & Computer Engineering
- Extension

In addition to application disclosures, we also receive requests for help creating apps. To meet this need we have hired our first Mobile Development Intern, Robert Cheung, an undergraduate majoring in computer science.

Successful Innovations from around Campus

eText

As Kindles and e-books hit record sales, electronic textbooks are growing rapidly on college campuses, as well. At the University of Illinois, the wheels are in motion to make textbooks more affordable through eText, an electronic textbook based on the publishing industry’s standard e-book format, ePUB.

- eText allows locally created content to be converted into online textbooks for selected classes at the University.
- eText capitalizes on the interactivity of the Internet, incorporating embedded audio-video, group-style blogging, and written assignments.
- eText is more affordable for students compared to printed textbooks and provides a larger royalty to the department or instructor.

Created by academic professionals from the College of ACE-ITCS, including Yury Boroshvich, Markov Landes, John Tabb, Krista Sunderland, and Mirit Basolo.

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Colleges & Units Working with the OTM in 2012

College of Agricultural, Consumer, and Environmental Sciences
- Agricultural & Biological Engineering
- Agricultural & Consumer Economics
- Animal Sciences
- Cooperative Extension
- Crop Sciences
- Food Science & Human Nutrition
- Human & Community Development
- Information Technology & Communications Services
- Natural Resources & Environmental Sciences
- Nutritional Sciences

College of Business
- Business Administration
- College of Business
- College of Education
- Education Administration
- Education Policy
- Educational Psychology

College of Engineering
- Aerospace Engineering
- Bioengineering
- Civil & Environmental Engineering
- Computer Science
- Coordinated Science Lab
- Electrical & Computer Engineering
- Industrial & Enterprise Systems Engineering
- Information Trust Institute
- Materials Research Lab
- Materials Science & Engineering
- Mechanical Science & Engineering
- Micro & Nanotechnology Lab
- Nuclear, Plasma & Radiological Engineering
- Physics
- Theoretical & Applied Mechanics

College of Fine & Applied Arts
- Architecture
- Art & Design
- Landscape Architecture
- School of Music
- Urban & Regional Planning

College of Liberal Arts & Sciences
- Biochemistry
- Biophysics & Computational Biology
- Cell & Developmental Biology
- Chemical & Biomolecular Engineering
- Chemistry
- Entomology
- Geography
- Linguistics
- Microbiology
- Molecular & Integrative Physiology

College of Media
- Journalism
- Medical Information Science
- College of Veterinary Medicine
- Pathology
- Veterinary Clinical Medicine

Academic & Research Units
- Advanced Digital Science Center
- Beckman Institute for Advanced Science & Technology
- Biotechnology Institute
- Institute for Genomic Biology
- International Programs & Studies
- Labor & Employment Relations
- School of \-
- Library
- Library & Information Science
- Graduate School (Graduate School)
- National Center for Supercomputing Applications
- Prairie Research Institute
- Illinois State Geological Survey
- Illinois Sustainable Agriculture Center

Non-Academic & Administrative Units
- AITS
- Campus Recreation (Division of)
- CITES
- EnterpriseWorks
- Housing Division
- Intercollegiate Athletics (Division of)
- Office of Corporate Relations
- Office of the Registrar
- Office of the Vice-President for Research
- Public Affairs
- U of I Online

Illumia

Illumia provides knowledge, analysis, measurement, and consulting services for safety and risk management, decision making, fatigue risk management, and performance understanding in high reliability organizations. Building on more than ten years of development and validation, Illumia’s detailed, precise methods assess the impact of culture – including interactions among diverse working groups – on safety-related attitudes and organizational behavior.

Dr. Terry von Thaden, Information Science and Human Factors, developed the Safety Culture Inventory Scale Measurement Survey, or SCISMS, which measures safety and organizational factors.

MarketMaker

MarketMaker was initially developed in 2004 to more easily connect farmers with new markets. Now in use in 20 states, the site has developed into a tool that can benefit everyone in the food supply chain, from farmers to processors, distributors, retailers, and the consumer looking for unique food products.

Developed by Darlene and Richard Krize at the University of Illinois Extension.