The University

The University of Illinois at Urbana-Champaign (UIUC) spends more than $500 million on research annually and has a reputation as one of the United States’ leading research institutions. Illinois is proud of its respected and accomplished faculty, high national rankings for its programs, state-of-the-art facilities, and history of ground-breaking research.

Software Development at Illinois

The University of Illinois at Urbana-Champaign has a long history of innovation in software and computing. From the launch of the ILLIAC in 1952 to the development of PLATO in 1959, to the distribution of the email program Eudora in 1990 and the launch of NCSA Mosaic in 1992, Illinois has created tools and systems used throughout the world.

Today, UIUC is home to one of the top 5 computer science departments in the world and boasts world-class research facilities, including the National Center for Supercomputing Application, The Thomas M. Siebel Center for Computer Science and the Beckman Institute. New software applications constantly arise across campus, and across departments, and reaffirm Illinois’ position as a leader in computing.

Software

Self-Aiming Camera (SAC)

SAC is a moveable video camera whose unique software enables it to receive and process input from multiple sensors, then automatically aim itself at a target that is the most probable source of that input. SAC’s efficient and high-performing algorithm is derived from the study of living organisms.

Investigator:
Thomas Anastasio
http://big.cs.uiuc.edu/SAC/

For more information, contact Dave Washburn at (217) 265-0778 or dwashbur@uiuc.edu.
Reference Number: TF01109

DISCUS

DISCUS mines online collaboration systems (such as chat rooms, message boards, or instant messaging systems) which contain data and documents about a given subject. DISCUS then applies analytical and visualization techniques to evaluate dialogue, expose opportunities, and visualize conversations.

Investigator:
David E. Goldberg
www-discus.ge.uiuc.edu/

For more information, contact Dave Washburn at (217) 265-0778 or dwashbur@uiuc.edu.
Reference Number: TF04035

The Geochemist’s Workbench®

Software from UIUC is utilized in products in many different markets.

One example is the Geochemist’s Workbench(r) (GWB). GWB is presently in use at more than 500 companies, universities, and research institutes globally. It is a robust module-based software program that provides fast graphical solutions for manipulating chemical reaction calculations, calculating stability diagrams and equilibrium states of natural waters, tracing reaction processes, and plotting the results of these calculations. GWB is quickly and easily customizable to accommodate specific research needs.

This software may be acquired online through RockWare, Inc. (the University’s exclusive licensee) at http://www.rockware.com/. We commend them on their productization and service.

www.otm.uiuc.edu

The Office of Technology Management

The mission of the Office of Technology Management (OTM) is to encourage innovation, enhance research and facilitate economic development through the transfer of intellectual property.

Contact our Office
Phone: (217) 333-7862
Email: otm@uiuc.edu
Website: www.otm.uiuc.edu

www.otm.uiuc.edu Copyright © 2006 The Board of Trustees at the University of Illinois
The Information Trust Institute (ITI)

ITI provides national leadership combining research and education with industrial outreach in trustworthy and secure information systems. ITI brings together over 50 faculty and senior researchers, many graduate student researchers, and industry partners to conduct foundational and applied research to enable the creation of critical applications and cyber infrastructures. In doing so, ITI is creating computer systems, software, and networks that society can depend on to be trustworthy, that is, secure, dependable (reliable and available), correct, safe, private, and survivable. Instead of concentrating on narrow and focused technical solutions, ITI aims to create a new paradigm for designing trustworthy systems from the ground up and validating systems that are intended to be trustworthy.

Learn more: www.iti.uiuc.edu

Möbius™

Möbius™ is a software tool for modeling the behavior of complex systems. Originally developed for studying the reliability, availability, and performance of computer and network systems, its use has expanded to include a broad range of discrete-event systems from biochemical reactions within genes to the effects of malicious attacks on secure computer systems.

www.mobius.uiuc.edu

For more information, contact Dave Washburn at (217) 265-0778 or dwashbur@uiuc.edu.

Reference Number: T99074

MarketMaker™

MarketMaker was developed as an online marketing resource to give farmers greater access to regional markets by linking them with processors, retailers, consumers and other food supply chain participants. One of the most extensive collections of searchable food industry related data in the country, MarketMaker currently contains over 65,000 profiles of farmers and other food related enterprises. The software and site were created by researchers from the University of Illinois Extension. On the MarketMaker platform, each partner state has its own unique site, but all sites access a common database. This allows users to query all states in the system.

For more information, contact John McEntire at (217) 333-3715 or jmcentir@uiuc.edu.

Reference Number: TF04023

Web-Based Software Tools

The National Center for Supercomputing Applications (NCSA) has developed a software suite that allows users to edit and manage content directly on a website. This comprehensive software solution is ideal for individuals, small businesses and large corporations alike, since it provides any worker with the power to easily create, update, organize, and modify content.

Investigators: Kalev Leetaru and Alan Craig

For more information, contact John McEntire at (217) 333-3715 or jmcentir@uiuc.edu.

Reference Numbers: TF04031, TF04058, TF04064, TF04065, TF04062, TF04063

Web Publishing Accessibility Wizard for Microsoft Office®

This software automates the task of converting Microsoft Office documents to Section 508 compliant HTML code through an Accessibility Wizard which provides an easy user interface and automated conversion.

www.accessiblewizards.com

Buy this software online in the OTM web store at http://www.otm.uiuc.edu/ecommerce/.

Price per copy is $39.95. Volume discounts and site licenses are available.

For additional information, contact Dave Washburn at (217) 265-0778 or dwashbur@uiuc.edu.

Reference Number: TF03037