

TECHNICALLY Speaking

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2009 and Beyond: Looking Ahead

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students' learning styles are blending with their lifestyles. IT proposes to use technology to enhance the quality of student life, provide new channels for communication, and increase student

Last year the adoption of Information Technology's new Strategic Plan 2020 provided the necessary focus to meet the needs of the University of Louisville and the surrounding community. In 2009 IT is reaffirming our commitment to go the distance in implementing the following key projects as outlined in the strategic plan:

Reinvent Student Technology Services

Technology has become an integral part of our students' daily lives, from the use of text messaging on cell phones to listening to music on iPods. Students depend on mobile technology, using cellular and WiFi networks for communication and entertainment, and using laptops in class. Today,

safety on campus.

Within the next year, IT will transform the student computing centers into destinations that support students' technology lives. IT envisions a "no wires, no walls, no waiting" computing experience. Computing centers will become a place where students can obtain a wide variety of technology services in a comfortable environment that encourages interaction and collaboration. Centers should be a place where students can go for help with technology, find equipment to create podcasts and video casts, find help creating presentations, take equipment for repair and support, and obtain specialized training. Through the new partnership with REACH, the South Comput-

ing Center will be staffed with student tutors. Additionally, IT is partnering with the School of Nursing to expand HSC computing facilities to include training, consulting and student technology services.

Build a World-Class Research Infrastructure

Information Technology has been working with researchers to develop centralized research computing resources for the university. Targeted for rollout in 2009, these computing resources will be available to support a variety of applications. A large high-performance computing cluster and a powerful shared memory computer are planned to support computationally intensive applications, and a research data management system will support data intensive applications such as informatics. A large data storage and archiving system housing in excess of 100TB of storage is planned, and systems will be connected to high speed networks such as Internet2. This high-performance network connectivity gives faculty, staff, and students the opportunity to access unique resources and applications, engage in collaboration, and compete for research grants.

Visit <http://louisville.edu/it/plan2020> to view IT's Strategic Plan 2020.

Mark Your Calendar:

- January 20, 2009 - The Black Faculty/Staff Association in partnership with the Vice President of Information Technology is sponsoring a campus-wide viewing of the 2009 Presidential Inauguration at noon in MITC Bigelow Hall and the Kornhauser Library Auditorium.
- January 23, 2009 - Information Technology Communications Services will upgrade VoIP telephone software. The upgrade will provide new enhanced telephone services to all users. For more information and documentation visit <https://docushare.louisville.edu/dsweb/View/Collection-7337>.
- March 1, 2009 - Information Technology will begin deploying, a new enhanced wireless service, 802.11n. It will feature faster connection speed, more secure access and increased coverage area. Deployment will be a phased process occurring over the spring and summer months.

Technology Tip:

Information Technology has streamlined its business card ordering process to ensure fewer mistakes, decrease the cost of cards and decrease turnaround time. Update your business cards to UofL's new brand. Visit <http://louisville.edu/it/businesscards> to order yours today.

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Profiles in UofL Research

Dr. John Trent is using research technology to find new ways to treat cancer



Meet Dr. John Trent, Associate Professor in the Division of Hematology/Oncology in the Department of Medicine at the University of Louisville. Dr. Trent also conducts research for the James Graham Brown Cancer Center in the areas of structural biology and drug discovery, work that directly supports UofL's effort to obtain National Cancer Center Designation from the [National Cancer Institute](#).

Information Technology recruited Dr. Trent's research expertise to help plan the University of Louisville's robust new research infrastructure. Having over nine years research experience at UofL alone, Dr. Trent was highly qualified to speak for the needs of researchers at UofL.

Dr. Trent played two critical roles in the research infrastructure needs assessment and planning. First he served on a diverse panel of researchers

who periodically met with Information Technology representatives and potential vendors. He ensured the research needs of the Brown Cancer Center were considered when planning the infrastructure. Additionally, Dr. Trent purchased a smaller version of the high-performance computing cluster that will eventually comprise UofL's research computing infrastructure. He used it to run benchmarks, allowing him to give valuable feedback to Information Technology professionals.

Dr. Trent can look forward to the fruits of his labor when Information Technology implements a world-class research infrastructure this spring. The new infrastructure will increase data processing speed, provide more data storage and foster an environment in which researchers from all areas can easily collaborate with one another.

The new research infrastructure will have a positive impact on Dr. Trent's drug discovery research projects in multiple ways. "We are highly collaborative and the new infrastructure means that it will dramatically speed up the drug discovery collaborations here at UofL," says Dr. Trent. "Currently there are over fifteen collaborative projects with UofL

"We are highly collaborative and the new infrastructure means that it will dramatically speed up the drug discovery collaborations here at UofL"

faculty that will directly benefit from this infrastructure. This will also increase our chances of federal funding."

Simply put, more computing power equals quicker drug discovery. Add to that

an increase in federal funding and UofL is well on its way to becoming a preeminent metropolitan research university.

Tis the Season: IT Staff Continue the Tradition of Giving



Each year as the days roll ever-forward toward the end of the calendar year, Information Technology staff members anticipate an annual tradition of giving back to the local community during times of need. November is dedicated to the annual 'Can Hunger' canned good drive, while December is devoted to the 'Hats, Mittens & Scarves' warm clothing drive.

'Can Hunger'

IT's 'Can Hunger' drive benefits the Society of St. Vincent DePaul Open Hand Kitchen located in the Old Louisville Neighborhood. The Open Hand Kitchen serves two nutritious meals per day to homeless men, women and children in the community. This year, IT staff members donated 10 boxes of canned goods. To learn more about the initiative visit [mms://mediaone.louisville.edu/stream/utv/it/ITMinuteArchive/FoodDrive.wmv](https://mediaone.louisville.edu/stream/utv/it/ITMinuteArchive/FoodDrive.wmv).

'Hats, Mittens & Scarves'

IT's 'Hats, Mittens & Scarves' drive benefits less fortunate students attending Semple Elementary School, located near Churchill Downs. The school maintains a Family Resource Center which distributes necessities to students and families in need. The 2008 drive was an overwhelming success with over 225 articles of warm clothing donated to the children at Semple Elementary.