

WHAT'S NEW?

Kersey Renovation to begin in 2009

As the new year begins, so will the renovation of our 34,000 square foot former Kersey Library building. The space will offer state of the art teaching and research labs, a dynamic career center and student commons.



A welcome part of the construction will be research laboratories including **Datamining, Knowledge Discovery and Web Mining, Network and Information Security, Bioinformatics and Biomedical Computing, Multimedia, Digital Forensics, Video, Graphics and Animation (VGA), Database, and Mobile Information Networks and Distributed Software Systems (MINDS)**. These leading-edge facilities will be the blueprint for labs across the state.

One-half of the \$7 million project cost has been raised and fundraising continues. Naming opportunities for labs and other areas are available. One innovation of Kersey's renovation will be its Silver LEED certification. The Leadership in Energy and Environmental Design (LEED) Green Building Rating System™ encourages global adoption of sustainable green building and development practices through the creation and implementation of universally understood and accepted tools and performance criteria. Buildings can be certified on three environmentally conscious levels. This will be one of the first University of Louisville buildings to be LEED certified. Find more information about the Kersey project at www.louisville.edu/speed.

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GIVE AN ANNUAL GIFT

Now, more than ever, we need your support. Your annual fund contribution helps where the need is the greatest—student scholarships, teaching, research initiatives, and computer laboratory upgrades. Please visit <http://louisville.edu/giving/> or contact Melinda Townsend at (502) 852-4756 to discuss your philanthropic planning.

SPEED SCHOOL STUDENT PROFILE



Adam Pfendt— 5th year, Chemical Engineering

Co-Ops: DuPont, Wood Hudson Cancer Research Lab, NASA

Hobbies: Triangle Fraternity, Speed Council, ultimate Frisbee, water & snow skiing, ping pong, working out, reading, and playing piano.

Hometown: Florence, Kentucky

How many engineers are in your family? 5

Favorite experience at Speed School?

“Watching Dr. Tyler & Dr. Ralston man the Apache helicopter at E-Expo, 2006”

Advice for future Speed School Students?

“Get involved on campus with Speed Council, SGA, a religious group. You will have a lot more fun and an easier time with college...”

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Where are you now? We want to hear what our alumni are doing... [more](#)

HAVE AN IDEA FOR THE SPEED SCHOOL E-NEWSLETTER? WE WOULD LOVE TO HEAR ABOUT IT.

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(502) 852-4756

**"Do Something"
Give to Speed\$\$\$
[Give a Gift](#)**

Sign up for the Speed Ahead quarterly newsletter:
Louisville.edu/speed

RESEARCH UPDATE, *STREAMING ALONG*



The Stream Institute is an interdisciplinary applied research program in the Department of Civil and Environmental Engineering. The work of the Stream Institute focuses on human effects on streams, wetlands, and watersheds using the sediment transport theory. There is an emphasis on the use and development of field techniques to calibrate theoretical and laboratory based equations, restoration construction and monitoring techniques. Streams function as drainage systems for watersheds and moderate the flow of floodwaters, filter pollutants, and recycle nutrients to soils. The Stream Institute's

effective use of these created technologies ensures that streams are restored and able to provide their natural purpose.

The recently completed Wilson Creek project, a collaboration with Bernheim Forest, transformed the stream channel from its human-imposed low sinuosity. The design reconnected the stream, floodplain, and groundwater; created gravel riffles and substrate over the bedrock channel bed; increased pool depth, complexity, and established native wetlands that provide sustainable diverse habitat.

Stream Institute projects have been conducted in rural watersheds around the world. Future research projects will include urban and suburban watersheds and the specific challenges they present.

Project Director: Dr. Arthur C. Parola, Jr.

WHERE ARE THEY NOW? SPEED SCHOOL ALUMNI UPDATE

DAVID SCHNEIDER—In 1980, David Schneider exited J.B. Speed School's doors for the last time as a student. With a Master's degree in Electrical Engineering in hand, this self-described "extreme introvert" began a 15 year career at GE working on electronic controls. Eventually, teaching others to do the job brought out the extrovert in Schneider and motivated him to look outside of GE for opportunities that could further fuel his interest in design and teamwork.

Fellow Speed School alumnus Steve Rice called Schneider in Louisville and told him about up and coming Lexmark in Lexington. With his wife, Janet,

Schneider relocated to Wildcat territory. "I learned so much that first year at Lexmark," Schneider said. "If you're good at engineering, you can change jobs and be productive very quickly. Supporting success is part of the Lexmark culture. People here bend over backwards to help you."

Schneider speaks with as much pride about his employer as he does the products that he has helped design. Lexmark, like the printers it produces "makes things happen – solves problems and has strong



Speed School Facts

- The average ACT score for incoming Freshman to Speed School of Engineering was 27.8
- Speed School welcomed 393 Freshman this year
- Dean Mickey Wilhelm is celebrating his 33rd year at Speed School

“Do Something”
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MARK YOUR CALENDARS!
E-EXPO
MARCH 7, 2009
CLASS OF 1959 REUNION
MAY 7-9, 2009



Dean Mickey Wilhelm

WHERE ARE THEY NOW?

community consciousness.”

In 10 years with the company, Schneider has helped design several printers. As chief architect of the most recent innovation in color laser printing, he teamed directly and indirectly with about 120 others to produce the smallest color laser printer on the market today. Printing 25 pages per minute, he said, that there’s no other printer on the market for small business work groups or busy offices that compares to Lexmark’s new C540 Series in size, cost and quality.

“I consider myself very lucky because I’ve gotten to work with all different groups of people from electrical to mechanical to chemical engineers, to physicists to computer science engineers. I have traveled to manufacturing sites, met

customers and conducted training on this product around the world.”

“If I look around at other jobs,” Schneider concluded, “there’s nothing else I’d rather do.”

Looking back to his time at Speed School, Schneider recalled, “It was hard work. In my last two years, I spent all of my waking moments there.” But, it was the hard work combined with the culture of teamwork practiced by faculty and fellow students at the J.B. Speed School of Engineering that made fond memories for David Schneider and prepared him for the career that he excels in today.

For more information on David, his career, and his Lexmark innovation, contact Judi Cooper at Judi.cooper@louisville.edu.

IS SPEED SCHOOL ON YOUR FRIENDS LIST? SPEED SCHOOL IS ON FACEBOOK



There is a challenge to reach thousands of Speed School graduates across the globe. Dean Mickey Wilhelm

fully understands this and has created his own Facebook page to reach out to alumni and friends of Speed School on the internet.

Online social networking has become a necessary tool when trying to inform and stay in touch with thousands of alumni. Many Speed School student groups, organizations and

individuals have their own Facebook pages that outline upcoming events, defenses, research and more. Now you can become a fan of Speed School by visiting:

<http://www.new.facebook.com/pages/Dean-of-Engineering/35453122973?ref=ts>

Dean Wilhelm would like to invite any alumni, family or friends to become a fan and join his page. Comments and postings are also welcome.

Other groups to join on Facebook:

CECS, E-Expo, Speed School Forum