



UNIVERSITY OF KENTUCKY
College of Engineering

Engineers Day Open House

February 25, 2006, 9:00 a.m. - 1:00 p.m.

Schedule of Events

Welcome

We're glad you're here to help us celebrate National Engineers Week. Engineers are the world's problem solvers, and today you'll be able to learn what engineers do and how they do it. While you're learning, you'll have fun participating in contests, winning prizes, watching experiments and demonstrations, and talking to engineers about their jobs.

- E-Day Headquarters & Emergency Center 257-4856 161, Raymond
- Registration/sign up for door prizes..... 1st Floor, Raymond
- Registration/sign up for door prizes..... Student Commons, RGAN
- Registration/sign up for door prizes..... Lobby, FPAT
- Registration/sign up for door prizes..... Lobby, RMB

Contests

Name of Contest	Location
Barge Loading (FESC) W*	2 nd floor, ASTeCC
Catapult Basketball (SAE) W*	209, RMB
Coal Loading (SME) W*	207, RGAN
Edible Car (SWE) W*	53, Raymond
Egg Drop - Judging at 11:00 am (ASCE) P*	Basement, Raymond
Hair Strength Test (SMSE) W*	Basement, FPAT
High School Programming/Web Challenge Results (ACM/UPE) P*	1 st Floor, Raymond
Index Card Bridge - Judging at 11:00 am (ASCE) W*	112, Raymond
Model Crane (ASME) W*	209, RMB
Newspaper Bridge Judging at 12:00 noon (ITE) P*	112, Raymond
Packed Column (AIChE) P*	59, FPAT
Popsicle Stick Bridge Judging at 10:00 am (Chi Epsilon) P*	226, Raymond
Pringle Mailing - Judging at 9:30 am (KSPE) P*	112, Raymond
Scavenger Hunt (CHEGSA) W*	1 st Floor, FPAT
Tower Building (NSBE) W*	1 st Floor, RGAN
Tower Contest (Triangle) W*	3 rd Floor, RMB
Volcano (AIChE) P*	Basement, FPAT

W = Walk up contest, P = pre-registration required to participate in this contest

Building key for contest, exhibit and demonstration locations:

F. Paul Anderson Tower (**FPAT**), Advanced Science and Technology Commercialization Center (**ASTeCC**), UK Center for Manufacturing (**RMB**), Ralph G. Anderson (**RGAN**), Oliver H. Raymond (**Raymond**), Mining and Minerals Resources Building (**MMRB**), James F. Hardyman Building (**Hardyman**)

Exhibits, Demonstrations, Labs

Location

3-D Immersive Visualization Demo	210, RGAN
3D Scanning	455, FPAT
A ruler for Image Quality	552, FPAT
Accelerated Testing of Coatings	1 st Floor, Raymond
Adjustable Shunt for Cardiothoracic therapy	255, FPAT
Advanced CFD Group Poster	202, RGAN
Anechoic Test Cell	6, RGAN
ArcView Display of Kentucky Crash Sites and Statistics	1 st Floor, Raymond
Balloon Giveaway	263, FPAT
Applications of Chemical Engineering	241, ASTeCC
Biomedical Materials and Implants	255, FPAT
Blood Pressure and Blood Flow	255, FPAT
Cardiorythms	255, FPAT
Career Services	Student Commons, RGAN
CeNSE - Center for Nanoscale Science & Engineering	349, 365, 369, ASTeCC
Clue into Engineering	57, Raymond
COE Balloon Giveaway	2 nd floor Lobby, RMB
Combustion and Fire	202, RGAN
Composite Materials Display – plastic bridges and more	1 st Floor, Raymond
Computer Architecture Lab	521, RMB
Computer Graphics Demo	211, RGAN
Computer simulation of manufacturing processes	220K, RMB
Co-op	Student Commons, RGAN
Demos & Presentations	215E, RMB
Dependable Embedded Computing	675, FPAT
Digital Design Lab	581, FPAT
Digital Photo Giveaway - exciting backgrounds	220, RMB
Distillation	59A, FPAT
EDRL - Electronic Devices Research Lab	651, FPAT
EDRL - Electronic Devices Research Lab	361, ASTeCC
Electromagnetic Simulation	682, FPAT
Electron Microscopy	8, ASTeCC
Energy Efficiency Research	202, RGAN
ERTL - Quantitating Environmental Contaminants - Tours on the hour from 9am - 12 pm	5012, FPAT
Excimer Laser Micromachining - Free Laser Marked Pennies	659, FPAT
Financial Aid	Student Commons, RGAN
Flame Synthesis of Carbon Nanotubes	202, RGAN
Freshman Day Program 10:45 am - 1:45 pm prior registration required for this event	Hardymon
General College Information	Student Commons, RGAN
Grow Your Own Energy	263, FPAT
High Speed Motion Analysis of Machining Operations	9, RMB
How Can we Grow Plants on Mars?	263, FPAT
How do enzymes work?	263, FPAT
How does water flow underground?	263, FPAT
How Hot Are You?	263, FPAT
How is Cotton Candy Made?	263, FPAT
Hydro Lab Demonstrations	16, Raymond
Hydrocyclone Demonstrations	207, RGAN

Exhibits, Demonstrations, Labs

Location

Information Table	2 nd Floor Walkway, FPAT
Information Table	1 st Floor Lobby FPAT
Infrared Thermal Measurements in Metal Cutting	9, RMB
Injection Molding	9, RMB
Intelligent Transportation Systems	1 st Floor, Raymond
Interactive Highway Safety	1 st Floor, Raymond
It's a Toy, It's a Tool, It's a Remote Sensing Device	263, FPAT
Kentucky Fluid Cluster Lab	214, RGAN
KTC Library – Information and resources about engineering.....	1 st Floor, Raymond
Laster Materials Processing Lab	119, RMB
Lean Manufacturing Boot Camp I	320, RMB
Lean Manufacturing Boot Camp II	12, RMB
Learning to Fly with BIG BLUE	Lobby, RGAN
Lightweight Materials for Automotive Applications	10, RMB
Machining Research – Poster presentation of Active Projects	9, RMB
Machining Research – Poster presentation of Active Projects	108, RMB
Magnetically Levitated Vibration Absorber	14, RGAN
Measuring Strain	207, RGAN
Mechanical Engineering Program Information	202, RGAN
Membranes	59A, FPAT
Mine Design Lab Demonstrations	248, MMRB
Mine Roof Support Demonstrations	207, RGAN
Mine Ventilation Lab Demonstrations	111, MMRB
Minority Engineering program information	Student Commons, RGAN
Minority Engineering Pizza lunch & presentation for high school students .	153, Chem-Phys bldg.
Nanoscale Certificate Program Poster	202, RGAN
NASA's Human Powered Centrifuge	255, FPAT
Near-Dry Machining Demonstration	9, RMB
Office of Admissions	Student Commons, RGAN
Open Computing Lab	577, FPAT
Optical Profilometry Demonstration	14, RGAN
Painting Technology Research	202, RGAN
Palace of Power	462, FPAT
Precision Laser Pointing System	14, RGAN
Rapid Prototyping	112, RMB
Real time bullet tracking using infrared video.....	368, ASTeCC
Short Courses information	http://aggregate.org/
Sign up for Short Courses	Lobby, FPAT
2-3 p.m. - Introduction to Digital Photography.....	453, FPAT
2-3 p.m. - Interface Your PC to Stuff Around Your House.....	577, FPAT
Signal Processing - Bed Time for Mickey and Say "UH"	591, FPAT
Supercomputers R Us	672, FPAT
Sustainability Engineering Research Program.....	108, RMB
The "Wave" of the Future - Wireless Communications.....	465,FPAT
The World of Materials	67, FPAT
Transportation Simulations	120, Raymond
Video Presentation of Chip Breaking Process in Machining	9, RMB
Web-based Machining Optimization (Software Demonstration).....	9, RMB
Welding Research Laboratory	119, RMB
Welding Research Laboratory	119, RMB
Wildcat 1/4 Scale Pulling Tractor	263, Courtyard
Women in Engineering	Student Commons, RGAN
Zoom into Engineering	57, Raymond

Exhibitors

Exhibit	Location	Exhibit	Location
Air Force ROTC	253, FPAT	Lexington Children's Museum	1 st Floor Lobby, RMB
Alliance Coal Co.	207, RGAN	Lexmark International, Inc.	257, FPAT
Arch Coal Inc.	207, RGAN	Link-Belt Construction Equipment Co.	263, FPAT
ASHRAE	203, RGAN	Louisville Southern Indiana Ohio River Bridges Project	253, FPAT
Asphalt Institute	2 nd floor hall, Raymond	Martek	2 nd floor Lobby, RMB
Association of State Dam Safety Officials	2 nd floor hall, Raymond	Mason & Hanger Group	2 nd floor hall, Raymond
Belcan	203, RGAN	Newton's Attic	Courtyard, RGAN
Burgess & Niple, LTD	2 nd floor hall, Raymond	Palmer Engineering	2 nd floor hall, Raymond
Cummins, Inc.	pkg. lot/ loading dock, ASTeCC	Panasonic Home Appliances Company of America	2 nd floor hall, Raymond
Fuller, Mossbarger Scott & May	2 nd floor hall, Raymond	Tennessee Valley Authority	253, FPAT
H.W. Lochner	253, FPAT	THA Engineering Solutions	2 nd floor hall, Raymond
IEEE Lexington Chapter	2 nd floor hall, Raymond	Thermal Equipment Sales	203, RGAN
Kaba Mas Corporation	203, RGAN	Toyota	Lobby, FPAT
Kentucky Coal Foundation Association	207, RGAN	Trane	203, RGAN
Kentucky Transportation Cabinet	265 & 267, FPAT		

Student Organization Exhibitors

Exhibit	Location	Exhibit	Location
ACM/UPE Information Table	1 st Floor RMB	ESC Information Table	1 st Floor Lobby, FPAT
AIAA Information Table	1 st Floor Lobby, RGAN	IEEE Open Lab	577, FPAT
AICHE Information table	1 st floor, FPAT	IMAPS Information Table	10, RMB
ASAE information Table and Tractor	Courtyard, RGAN	KSPE Information Table	Basement, Raymond
ASCE Concrete Canoe Exhibit	16, Raymond	NSBE Information Table	Student Commons, RGAN
ASCE Information Table	1 st Floor, Raymond	Phi Sigma Rho Information Table	1 st Floor, Raymond
ASCE Steel Bridge Exhibit	Basement, Raymond	Pi Tau Sigma Information Table	202, RGAN
ASME Information Table	202, RGAN	SAE Information Table	Basement, ASTeCC
Blanding III Information Table	1 st Floor, Raymond	SME (Manufacturing) Information Table	Basement, ASTeCC
BMES Information Table	253, FPAT	SME (Manufacturing) Solar Car	Courtyard, RGAN
CHEGSA Information Table	1 st Floor, FPAT	SME (Mining) Information Table	207, RGAN
Chi Epsilon Information Table	2 nd Floor, Raymond	SWE Information Table	Student Commons, RGAN
		Tau Beta Pi Lego League Robotics	Basement, ASTeCC

Enter to win prizes !!!!!

entry boxes are located at registration tables