



UNIVERSITY OF KENTUCKY
College of Engineering

Engineers Day Open House

February 24, 2007, 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 and Lost and Found

(859) 257-4856	161, Raymond
Registration/sign up for door prizes	1 st 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*	202, RGAN
Edible Car (SWE) W*	53, Raymond
Egg Drop - Judging at 11:00 am (ASCE) P*	Basement, Raymond
Hair Strength Test (SMSE) W*	67, FPAT
High School Programming/Web Challenge Results (ACM/UPE) P*	1 st Floor, Raymond
Index Card Bridge - Judging at 11:00 am (ASCE) W*	62, Raymond
Newspaper Bridge Judging at 12:00 noon (ITE) P*	62, Raymond
Packed Columns (CME/MSE) W*	1 st Floor, FPAT
Popsicle Stick Bridge Judging at 10:00 am (Chi Epsilon) P*	226, Raymond
Pringle Mailing - Judging at 9:30 am (KSPE) P*	161, Raymond
Rube Goldberg (Alumni Association) P*	207, RGAN
Siege Engine (ASME) W*	209, RMB
Tower Building (NSBE) W*	1 st Floor, RGAN
Tower Contest (Triangle) W*	4 th Floor, RMB
Volcano (AIChE) P*	59, 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**).

Exhibits, Demonstrations, Labs

Location

3D Scanning	455, FPAT
A Ruler for Image Quality	552, FPAT
Accelerated Testing of Coatings	112, Raymond
Adjustable Shunt for Cardiothoracic Therapy	255, FPAT
Amazing Materials	67, FPAT
Anechoic Test Cell	6, RGAN
Applications of Chemical Engineering	59, FPAT
ArcView Display of Kentucky Crash Sites and Statistics	1 st Floor, Raymond
Balloon Giveaway	263, FPAT
Biomedical Materials and Implants	255, FPAT
Blood Pressure and Blood Flow	255, FPAT
Cardiorythms	255, FPAT
Career Services	Student Commons, RGAN
Center for Manufacturing	2 nd Floor, FPAT
CeNSE - Center for Nanoscale Science & Engineering	349, 365, 369, ASTeCC
Clue into Engineering	57, Raymond
CNC Machining Demo	9, RMB
COE Balloon Giveaway	2 nd Floor Lobby, RMB
Combustion and Fire	202, RGAN
Composite Materials Display – plastic bridges and more	112, Raymond
Computer Architecture Lab	521, RMB
Computer Simulation of Manufacturing Processes	220K, RMB
Co-op	Student Commons, RGAN
Computer Science 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
Electrical and Computer Engineering Office	453, FPAT
Electromagnetic Simulation	682, FPAT
Electron Microscopy	8, ASTeCC
Energy Efficiency Research	202, RGAN
ERTL - Quantitating Environmental Contaminants	S012, FPAT
Excimer Laser Micromachining - Free Laser Marked Pennies	659, FPAT
Flame Synthesis of Carbon Nanotubes	202, RGAN
Fluid Flow	59A, FPAT
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 Our Own Energy?	263, FPAT
How Do Enzymes Work?	263, FPAT
How Does A Stream Form?	263, FPAT
How Hot Are You?	263, FPAT
How Is Cotton Candy Made?	263, FPAT
How Much Energy Do Your Light Bulbs Use?	263, FPAT
Hydrocyclone Demonstrations	202, RGAN
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

Exhibits, Demonstrations, Labs

Location

Intelligent Transportation Systems	112, Raymond
Interactive Highway Safety	112, 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
Laser Materials Processing Lab	119, RMB
Lean Systems Boot Camp I.....	429, RMB
Lean Systems Boot Camp II.....	010, RMB
BIG BLUE: UK's Mars Airplane Project	Lobby, RGAN
Lightweight Materials for Automotive Applications.....	012, RMB
Machining Research – Poster Presentation of Active Projects	9, RMB
Magnetically Levitated Vibration Absorber	14, RGAN
Mass Customization	512, RMB
Measuring Strain	202, RGAN
Mechanical Engineering Capstone Project Displays	202, RGAN
Mechanical Engineering Program Information	202, RGAN
Mine Design Lab Demonstrations	248, MMRB
Mine Roof Support Demonstrations	202, 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
Optical Profilometry Demonstration.....	14, RGAN
Painting Technology Program	202, RGAN
Precision Laser Pointing System	14, RGAN
Privacy, Security and Video Sharing	453, FPAT
Rapid Prototyping	112, RMB
Real Time Bullet Tracking Using Infrared Video.....	368, ASTeCC
Signal Processing - Bed Time for Mickey and Say "UH"	591, FPAT
Student Chapter IEEE	577, FPAT
Supercomputers R Us	672, FPAT
Sustainability Engineering Research Program	9, RMB
The "Wave" of the Future - Wireless Communications	465, FPAT
Transportation Simulations	112, Raymond
Video Presentation of Chip Breaking Process in Machining	9, RMB
Web based Machining Optimization (Software Demonstration)	9, RMB
Welding Research Laboratory	119, RMB
Wildcat 1/4 Scale Pulling Tractor	Courtyard, RGAN
Women In Engineering	Student Commons, RGAN
World of Chemical and Materials Engineering	1 st Floor, FPAT

Corporate and Organization Exhibitors

Exhibit	Location	Exhibit	Location
Air Force ROTC	parking lot/Student Commons RGAN	IEEE Lexington Chapter	2 nd Floor Hall, Raymond
Alliance Coal Co.	202, RGAN	KY Coal Foundation	202, RGAN
ASHRAE	203, RGAN	Kentucky Transportation Cabinet	265 & 267, FPAT, Courtyard
Asphalt Institute	2 nd Floor Hall, Raymond	Lexmark International, Inc.	257, FPAT
Association of State Dam Safety Officials	2 nd Floor Hall, Raymond	Link-Belt Construction Equipment Co.	263, FPAT, parking lot
Belcan	203, RGAN	Martek	2 nd Floor Lobby, RMB
Big Ass Fans	203, RGAN	Mason & Hanger Group	2 nd Floor Hall, Raymond
Bluegrass SWE Professional Chapter		Microsoft	263, FPAT
Clue Into Engineering	57, Raymond	Newton's Attic	Courtyard/loading dock ASTeCC
Burgess & Niple, LTD	2 nd Floor Hall, Raymond	Palmer Engineering	2 nd Floor Hall, Raymond
Coal-Mac, Inc.	202, RGAN	Tennessee Valley Authority	253, FPAT
Cummins, Inc.	parking lot	THA Engineering Solutions	2 nd Floor Hall, Raymond
Explorium	1 st Floor Lobby, RMB	Thermal Equipment Sales	203, RGAN
First Lego League	54, Raymond	Toyota	Lobby, FPAT/Courtyard
Fuller, Mossbarger Scott & May		Trane	203, RGAN
Engineers, Inc.	2 nd Floor Hall, Raymond		
Hitachi	253, FPAT		
H.W. Lochner	253, 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
ASABE information Table	263, FPAT	KSPE Information Table	Basement, Raymond
Wildcat 1/4 Scale Pulling Tractor	Courtyard, RGAN	NSBE Information Table	Student Commons, RGAN
ASCE Concrete Canoe Exhibit	Basement, Raymond	Phi Sigma Rho Information Table	1 st Floor, Raymond
ASCE Information Table	1 st Floor, Raymond	Pi Tau Sigma Information Table	202, RGAN
ASME Information Table	202, RGAN	SAE Information Table	Basement, ASTeCC
Ingles Hall 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	202, RGAN
Chi Epsilon Information Table	2 nd Floor, Raymond	SWE Information Table	Student Commons, RGAN
		Tau Beta Pi Lego League Robotics	54, Raymond

Enter to win prizes !!!!!
 entry boxes are located at registration tables