

TechFest 2008 Exhibitors

Location	Acronym	Group Name	Exhibit Description
<i>Exhibits in the Great Hall of Ponitz Center (Bldg 12)</i>			
1	AFIT-TBP	AFIT-Tau Beta Pi	Hands-on exhibits and handouts.
2	NMUSAF	National Museum of the United States Air Force	Demonstrations of Newton's Three Laws of Motion through hands-on activities.
3	ACS	American Chemical Society - Dayton Chapter	A hands-on chemistry experiment.
4	LMCO	Lockheed Martin Corporation	10x10 foot display panel with video monitor highlighting Lockheed Martin's aircraft programs.
5	TMS	The Mars Society - Ohio Chapter	Display promoting an active, destination-driven space program. There will be information on Mars, gravity bricks and other hands-on display material.
6	UD-Geo	UD-Dept. of Geology	Geological displays and hands-on activities.
7	IST	Infoscitex Corporation	Build paper helicopters and airplanes to see the unusual shapes that can still fly.
8	ASCE	American Society of Civil Engineers	Hands-on demonstrations of civil engineering concepts to a wide range of ages.
9	AMS-WMC	American Meteorological Society-Wright Memorial Chapter	Display of weather information, simple demonstrations, and career information with booth staffed by local professional meteorologists
10	SW	SunWatch Indian Village/ Archaeological Park	Dating techniques (carbon dating, dendrochronolgy), and hands-on mapping project plus an ancient technology display that uses math to explain energy transference.
11	SCC-PR	Project READ	The literacy coalition for Montgomery, Greene & Preble Counties, the Project READ supports literacy in all its forms! Come find out fun activities you can do with everyday things!
12	WP-WOW&AIAA-1	WPAFB-Education Outreach and American Institute of Aeronautics & Astronautics	Variety of demos and setups on robotics and other science topics. Also, there will be information for free supplemental science lessons for area teachers.
13	DARA	Dayton Amateur Radio Association	Amateur Radio; learn electronics by building an FM Radio Kit; Introduction to Satellites; Amateur Television and more.

TechFest 2008 Exhibitors

14	MVAS	Miami Valley Astronomical Society	Interactive exhibits combined with literature promoting astronomy and astronomical careers
15	WSU-Psy	WSU-Dept, of Psychology	Hands-on demonstrations of various psychological principles in perception, cognition etc.
16	WSU-Phy	WSU-Dept. of Physics	Hands-on demos and activities illustrating the laws of physics
17	WSU-EES	WSU-Dept. Earth/Environmental Sciences	This display includes a computer show of the three most common geological hazards that impact our daily life and a hands-on seismic activity.
18	WSU-Math	WSU-Dept. of Mathematics and Statistics	Catchy computer demos and a bit of literature about the disciplines represented by our department.
19	AVETEC	Advanced Virtual Engine Test Cell, Inc.	Avetec's Newton's demonstrations plus hands-on activities related to Newton's 3 Basic Laws.
20	WSU-BSOM	Boonshoft School of Medicine: Student to Student Program	Student-to-student program helps K-12 students become familiar with subjects like "How to Be an MD."
21	WSU-LIB	Special Collections and Archives Wright State University	Exhibit highlights Wright Brothers Collection and history of aviation collections at WSU. Historic photos and documents teach about flight and aerospace technology over time.
22	CSU&NSBE	Central State U.-SME and National Society of Black Engineers student chapters	Educational and professional information about CSU's engineering and technology programs plus a hands-on activity related to manufacturing.
23	WSU-Bio	WSU-Dept. of Biological Sciences	Demonstrations and hands-on science experiments using the latest technology, live organisms and exhibits from the field of biology.
24	UD-Bio	UD-Dept. of Biology	Hands-on experience of laboratory work for students interested in Biology, Medicine and Veterinary School.
25	UD-ET	UD-Engineering Technology	Participants will explore mechanical design and manufacturing testing processes through design and construction of a simple project.
26	ARA	Applied Research Associates	Hands-on psychology-based activates for K-12 children.
27	UD-Phy	UD Dept. of Physics	Science of light and color: interactive demo on how we see color.
28	UD-ETHOS	UD-Eng. in Tech. Humanitarian Opportunities of Service-Learning	Display boards as well as two appropriate technology-related demonstrations and our solar oven plus a water-filtration demonstration.
29	UD-CME	UD-Dept. of Chemical Engineering	Hands-on demonstration on chemistry and chemical engineering with a demonstration.

TechFest 2008 Exhibitors

30	NSBE	National Society of Black Engineers	Engineering experimental display along with brochures, a poster and gadgets.
31	R²T²	Really Rad Tech Team (4H Club)	Tornado simulator, GIS on computers and 96-hour backpack for disaster preparedness.
32	NPS-DAAV	National Park Service-Dayton Aviation Heritage	Learn how the Wright brothers used a catapult to get their plane into the air. Participants will make their own simple catapult.
33	DHCP	Dayton History-Carillon Park	Exhibit will focus upon the history of engineering and technology, particularly in the Dayton area.
34	ICOD	Inventors Council of Dayton	An 1/32 scale Wright Flyer Wind Tunnel, Time Tunnel, 3D Viewer, Fuel Cell Car, Autonomous Robot etc.
35	RD	Riverworks Discovery	Exhibit on the working Ohio River. Explore barges, electricity and water with hands-on experiments. Colorful "Kids for Clean Rivers Pledge" sheet and Word Search handouts.
36	IEST&ISA	Inst. of Environmental Science & Tech.-Instrumentation, Systems & Automation Society	A miniature Infrared camera images the participants, frequency response of a balsa plane on a vibration table and measurements of metals and composite materials.
37	WP-WOW&AIAA-2	WPAFB-Education Outreach and American Institute of Aeronautics & Astronautics	Variety of demos and setups on robotics and other science topics. Also, there will be information for free Supplemental science lessons for area teachers.
38	Think-TV	Think TV	Think TV, Dayton's PBS station, offers multimedia interactive educational resources for PreK-12 educators and students in the Miami Valley.
39	SCC-MVTP	Sinclair CC-Miami Valley Tech Prep Consortium	The 2nd floor of Bldg 14 will have 10-15 interactive Tech Prep high school & Sinclair STEM displays, which will entertain and educate as you go between Bldgs.12 & 13.
40	ASC	Affiliate Societies Council of Dayton	An affiliation of over 40 societies and technical organizations in the Greater Miami Valley, which organizes and carries out TechFest, a Professional Development Program and an Awards Program for engineers & scientists.
41	SCC-ACT	Sinclair CC-Dept. of Automation and Control Technology - Robotics	Hands on robotics and automation demonstrations.
42	HMT	Hesler Machine Tool	Display and possibly run a 1903 Wright Flyer Engine Replica. Display and possibly run an actual 1903 Engine.
43	SCC-Math	Sinclair CC- Dept. Of Mathematics	A display of robot technology used in teaching Tech Math at Sinclair. Includes calculator & computer controlled robots, power pulleys, servo motors, color mixers etc.

TechFest 2008 Exhibitors

44	SCC-SME	Sinclair Science, Mathematics & Engineering Division	Highlight various programs in the Science, Mathematics and Engineering Division at Sinclair Community College.
45	KMC	Kirkmont Center, Zanesfield, OH	Hands-on display and activities on water quality.
46	SCC-AVT1	Sinclair CC- Dept. of Aviation Technology	Displays for aviation occupations including pilot, aircraft mechanic, flight attendant and flight dispatcher

Exhibits in the south hallway to the Great Hall in Bldg 12

H1	ASQ	American Society for Quality - Dayton Section	Hands-on quality related activities, charts, graphs.
H2	IIE	Institute of Industrial Engineers	Exhibit will take students through the process of getting ready for school and whether they can complete the task within 30 minutes.
H3	PMI	Project Management Institute - Dayton/Miami Valley	Learn to organize tasks logically to meet project requirements. Have fun with simple projects. Become good with school projects. Learn about project management.
H4	SAFE-WBC	SAFE Association-Wright Brothers Chapter	The exhibit will consist of manikins, an ejection seat and other items related to research and development in the fields of safety and survival.
H5	Chase	Chase Bank	Activities that illustrate the value of money (i.e., how much different things cost) and other financial demonstrations.
H6	DML	Dayton Metro Library	The value of libraries to acquiring useful knowledge and writing papers. Our Book Mobile bus will be outside the Great Hall on Sunday.
H7	DMA&DACW	Dayton Microcomputer Association and Dayton Advocates for Computing Women	Explore the inside of a PC and learn how it works. See what is inside a keyboard, mouse, hard drive etc.
H8	CFUSA	Greater Dayton Chapter of Camp Fire USA	Hands-on demonstrations of robotic toys plus the science of smoke rings.

Exhibits in Earley Auditorium at the north end of the Great Hall in Bldg 12

E1	BMOD	Boonshoft Museum of Discovery	We'll be exhibiting our robot teams for First Lego League (FLL) as well as FTC.
E2	ECOD	Engineers Club of Dayton	Hands-on "problems" to be solve by kids; K-8 "Problems" are concerned with simple engineering and physics principles.

TechFest 2008 Exhibitors

E3	RLS&WBAC-1	Russia Local School & Wright Brothers Aeroplane Company	On display will be the 1902 Wright Glider built and flew by students of Russia Local School.
E4	RLS&WBAC-2	Russia Local School & Wright Brothers Aeroplane Company	Wright Brothers flight simulator and other interesting exhibits on physics of flight.
E5	AIAA	American Institute of Aeronautics and Astronautics	Build straw rockets (straw, tape, clay, note cards, scissors) and launch them on our "rocket launcher" toward a target (bucket) about 10 yards away.
E6	UD-MAE	UD-Dept. of Mechanical and Aerospace Engineering	Educational displays regarding aerospace engineering and mechanical engineering plus radio-controlled (R/C) plane flight simulators.
E7	IEEE	Institute of Electrical and Electronic Engineers	IEEE is showing how technology affects everyday life. We will showcase how math and science are linked to modern technology.
E8	WSU-CECS	WSU-College of Engineering and Computer Science	General College promotional materials, basic engineering concepts with K'NEX, large K'NEX ball drop, mini-Baja vehicle.
<i>Exhibits in the AIM Center (Bldg13)</i>			
A1	SCC-AIM	Sinclair CC-AIM Center	Advanced Integrated Manufacturing Center with demos of computer-controlled machining tools.
A2	AWS	American Welding Society	Motoman welding robot will perform live arc welding on sample weld joints. Plasma VIDEO monitor explains weldings contribution to society and career opportunities.
A3	MVSPE	Miami Valley Society of Plastics Engineers	Promoting the engineering and science of plastics as an industry.
A4	Segway	Jeff Fryman, Milford, OH	Segway-Personal Transporter: Rides on a Segway transporter will be provided.
A5	DTMA&SME	Dayton Tooling & Manufacturing Association & Society of Manufacturing Engineers	Exhibit will showcase student-built robots that are used in competition.
A6	SCC-AVT2	Sinclair CC- Dept. of Aviation Technology	Computer flight simulator labs located in Building 13.
A7	DP&L	Dayton Power & Light Co.	Electrical safety demonstration using 7200 volt overhead distribution setup. Dangers of high-voltage-energized conductors are made visual.