

### TechFest '06 Speakers and Special Events Schedule (People Parked in Lot A should obtain a pass at the registration desk)

#### Saturday Only

Start Time	Finish Time	Building 12	Title	Speaker
10:00 AM	10:15 AM	South End Registration Area Great Hall	Ribbon Cutting by Honorary Chair, Col Mike Leahy, USAF	Alva Karl, Project Chair, TechFest 2006, Affiliate Societies Council

#### Saturday: Program Interest Centers ( Building 12 and Building 13)

10:00 AM	6:00 PM	<b>Building 12 (Great Hall and Earley Auditorium) and Building 13</b> -- Exhibits, Demonstrations, Games, Hands-on Activities. Talk with scientists, engineers, chemists, and other professionals. Ask what math and sciences courses they took. Find out where they went to college. Ask how their technology affects our everyday lives. <i>Find Treasure Hunt Stamps. Find the "Student Signatures in Space" posters and sign them. Send your name into space.</i>		
10:00 AM	6:00 PM	Outside East Entrance, Perry Street Side	Tech Trek Bus -- Scanning Electron Microscope (SEM) -- See objects magnified 50,000 times, and other magnification instruments	Wright-Patterson AFB Education Outreach Office
10:00 AM	Closing	118	TechFest Souvenirs	
10:00 AM	Closing	Building 12, Room 171	Food Court: Snacks, Sandwiches, Salads, Drinks	

Building 12 Side Halls		Room Number		
Tours: 11 AM, 1 PM, 2 PM, 3 PM, and 4 PM	Open for browsing and answering questions until closing.	113	Computer Museum. Examine generations of computer styles and technology. See how rapidly engineering and technology of computers have changed.	Gary Ganger, Dayton Microcomputer Association
Scheduled Explanations on the hour and half hour		165	Engineering and Science Hall of Fame. Tour with interpreters at scheduled times. Test your knowledge of famous scientists and their contributions. Learn who has been honored for their scientific discoveries and inventions.	National Engineering and Science Hall of Fame Foundation

#### NEW THIS YEAR -- Building 13 -- Near the Advanced Integrated Manufacturing (AIM) Center

Start Time	Finish Time	Room	Topic	Presenter/Sponsor
Continuous	Open for browsing and answering questions until closing.	A1--Near AIM Center	Welding Display. See live welding technology. Find out how it works and why.	American Welding Society, Dayton Section
Continuous		A2--Near AIM Center	Do Injection molding. Learn how products used in your every day life are made. Mold a back scratcher to take home with you.	Miami Valley Society of Plastics Engineers.
Continuous		A3--Near AIM Center	Learn what a CNC Mill and Robotics work-cell can do. By robotics and automation it can move parts into and out of a work cell, arranges them for task operation, and perform the operations on the parts. Watch it make a souvenir TechFest key ring to take home. Learn what you need to study to run this machine.	Society of Manufacturing Engineers, Kettering TechPrep
Continuous, Wait Your Turn		A4--Near AIM Center	Ride the SEGWAY HT. Be a part of the new technology personal transporter. Learn about the fundamentals of physics that were used to design this neat system. Tell the other kids in your school that you rode a Segway. <u>Parent/Guardian permission or valid drivers license. There is a minimum weight requirement of 100 pounds--sorry.</u>	Jeffrey Fryman, Segway HT Certified Instructor
Presentations: Saturday--10:30; 12:30; 2:30; and 4:00.		A5--Near AIM Center	See a Professional Drag Racer: Nostalgia Pro Stock Series, named, GROCERY GETTER. Learn about the science and engineering of power, acceleration, traction, lift, drag, speed, and safety. Presentations and video of the car in action. Talk to the engineer and driver.	Mike Garblik, Professor, Automotive Technology Program, Sinclair Community College and Eric Larson, Senior Engineer Belcan Engineering, Driver.
Hourly tours and explanations 30 minutes after the hour.		A6--AIM Center	See ultra modern automated manufacturing machines at work in the AIM Center. See a souvenir made for you to take home and to school. Show your friends.	Dave Dilley, AIM Center Director, Sinclair Community College
Multiple Seating--Six Stations, Wait for a Turn	Room 106	A7--Past the AIM Center	Computer Flight Simulator Lab has six computer simulation stations that test your ability to operate an aircraft correctly. This includes taxiing, takeoff, carrying out standard coordinate turns, dead reckoning flight between two points and landing. These activities can be with various wind conditions.	Walter Davis, Aviation Technology Department, Sinclair Community College
Continuous, Wait Your Turn		A8--Past the AIM Center	Sit in a FAA approved flight motion simulator with instrument flight rules (IFR) programming. Passing this test is a requirement for learning to fly. You might get motion sickness. Trained operators can stop it quickly. <u>You must be able to reach the controls to sit in this simulator.</u>	Walter Davis, Aviation Technology Department, Sinclair Community College

Saturday Program Closes at 6:00 PM

**TechFest '06 Speakers and Special Events Schedule** (People Parked in Lot A should obtain a pass at the registration desk)

**Saturday TechFest '06 Speakers and Special Events Schedule (Building 12)**

Start Time	Finish Time	Building 12 Room Number	Title	Speaker
10:30 AM	11:15 AM	131	NASA and Human Space Exploration--We are Going back to The Moon and More	Jim Fitzgerald, NASA
10:30 AM	11:15 AM	231	Waves Around Us. Learn how microwave ovens, antennas, cellular phones, & FM radios work. Teachers, discover how these kits can assist in the classroom.	Richard Strode, Affiliate Societies Council
10:45 AM	11:30 AM	Smith Auditorium 150	Doin' the Electron Dance with the Guitar Man	Jim McCutcheon, The Guitar Man
11:00 AM	11:45 AM	127	Back to the Future--Humans in Space	Lyle Kelly, MARS Society
11:00 AM	11:45 AM	120	Demonstrations of the Science of Fires and Explosions	Dr. John Fortman, American Chemical Society, WSU
11:00 AM	12:00 PM	121	Autographs and individual questions	Tracy Caldwell, Astronaut
11:15 AM	12:00 PM	119	Edison Goes to the Movies	Hank Fincken
11:30 AM	12:15 PM	231	Making You the Problem Solver	Steve Frey, Inventors Council of Dayton
12:00 PM	12:45 PM	Outside East Entrance, Perry Street	Watch the Wright Brothers 1903 Engine start. See and hear it run.	Terry Hesler, Hesler Machine Tool
12:10 PM	12:55 PM	Smith 150	A Day in the Life of an Astronaut	Tracy Caldwell, Astronaut
12:15 PM	1:00 PM	131	NASA Exploration of the Solar System and the universe - Where we have been and where we are going	Jim Fitzgerald, NASA
12:45 PM	1:30 PM	119	How to Have Fun and Still Change the World	Col. Mike Leahy, USAF
1:30 PM	2:15 PM	WALKING	Stroll with Edison--Ask Him About ??????	Hank Fincken
1:45 PM	2:35 PM	Smith Auditorium 150	How Does a Thing Like That Work?	Dr. Dave Willey
2:00 PM	2:45 PM	119	What Does it "Tech" to be a Pilot	Maj. Tom "Ditch" Walters
2:00 PM	2:45 PM	131	NASA and Human Space Exploration--We are Going back to The Moon and More	Jim Fitzgerald, NASA
2:15 PM	3:00 PM	Outside East Entrance, Perry Street	Watch the Wright Brothers 1903 Engine start. See and hear it run.	Terry Hesler, Hesler Machine Tool
3:00 PM	3:45 PM	119	Edison Charges into Electricity	Hank Fincken
3:15 PM	4:00 PM	231	Waves Around Us. Learn how microwave ovens, antennas, cellular phones, and FM radios work. Teachers, discover how these kits can assist in the classroom.	Richard Strode, Affiliate Societies Council
4:00 PM	4:50 PM	Smith Auditorium 150	How Does a Thing Like That Work?	Dr. Dave Willey
4:15 PM	5:00 PM	Outside East Entrance, Perry Street	Watch the Wright Brothers 1903 Engine start. See and hear it run.	Terry Hesler, Hesler Machine Tool
4:30 PM	5:15 PM	127	Exploring Mars--What to take with you	Lyle Kelly, MARS Society
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TechFest 2006 Closes at 5:00 PM

TechFest 2007 is planned for February 17 and 18, 2007

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