

TechFest™ 2013 Fact Sheet



Registered 2013 Youth: ~2,600 **Total since 2003:** over 25,600

Since 2003: Estimated total participation, including adults, over 50,000

Exhibits: Seventy-nine (79) hands-on exhibits and demonstrations covering a wide range of topics and interests in sciences, technologies, engineering fields and uses of mathematics. Subjects included but were not limited to: life sciences, environmental sciences, physical sciences, many different engineering disciplines, computer applications, simulators and problem solving. For the full list and short descriptions, see http://www.ascdayton.org/TechFest/downloads/Exhibits_by_Organization-TF2013.pdf

Teachers Workshops: 16 topics, 16 presenters - 4 free CEU sessions, 4 topics each session - 100 seats each session all filled. For session offerings, see http://www.ascdayton.org/TechFest/downloads/TF13_TEACHERS_Flyer_HIQ.pdf

Info-tainment presentations: 15 presenters gave 36 presentations; attendance 1,260 youth and adults. See sampling below. For the complete list, see <http://www.ascdayton.org/TechFest/downloads/TF13-speakers.pdf>

Examples of Presenters and Topics

- **Al Balsearak**, Lt Col, USAFR, F-16 Pilot, call sign "ELVIS" - From Your Seat to an Ejection Seat: How to be a Pilot in the USAF
- **Jerry Black**, MARS Society - The Future of Human Spaceflight
- **Mark, Brown**, Former Astronaut - Adventures in Space
- **Colleen Costello**, Inventor, Engineer, Entrepreneur - The Invention Process: The Steps to Bringing an Idea to Life
- **Hank Fincken**, One-Man Shows - Saturday: Christopher Columbus, 15th Century Technology, Making a Round World of Difference - Sunday: Thomas Edison, Lighting the Way into the 21st Century
- **John Fortman, Ph.D.**, WSU Chemistry Department (Professor Combustion, ret.), and **Paul Fleitz, Ph.D.**, Chemist, AFRL - Fires, Explosions and Other Really Cold Demonstrations
- **Jim McCutcheon**, The Guitar Man - Physics of the Electric and Classical Guitars
- **Matt Ross**, Private Pilot, Eagle Scout - How to Become a Teenaged Pilot
- **Jim Simek**, NASA, Glenn Research Center, Cleveland, OH - The MARS Rover
- **Chuck Sonenshein**, Retired Public School Teacher - Math, Magic and Mystery
- **Richard, Strode**, AFMC - The WAVES Around Us: Cellphones, Radios, Television and Other Waves

Special features:

- Electrical safety at 120 V and 7,200 V - Dayton Power & Light
- Computer-Aided Machining - Society of Manufacturing Engineers at the Advanced Integrated Manufacturing Center of Sinclair Community College
- Segway (gyroscope-based) transporters (over 400 riders) - The Greene Town Center Security
- Wide range of science and engineering challenges with many mentoring workers and F16 flight simulator – Engineers Club of Dayton
- Opening ceremony - Dan Edwards, Education/Business Reporter, WDTN TV
- Dayton Mayor Leitzell's Proclamation for TechFest Days
(http://www.ascdayton.org/TechFest/downloads/TF13_Proclamation.pdf)

TechFest™ 2013 was held at Sinclair Community College on February 16 and 17. This free STEM program was conceived by the Affiliate Societies Council of Dayton and is carried out yearly since 2003 on Presidents' Day weekend. The success of this program depends on the dedication of 100's of volunteer scientists, engineers, professors, students, company members, Society members and family members plus funding from a wide range of organizations on which the program is crucially dependent. This year we had 21 financial donors, 8 In-kind donors, 28 donated door prizes and ~3,600 volunteer hours. These many contributions of time, talent and treasure are gratefully acknowledged.