

ENGINEERING DAY

Sunday February 16, 2014

12:30 pm–4:30 pm Peoria Riverfront Museum

Hands-on Activities; Exhibits; Demonstrations & Videos

Talk to the engineers & explore engineering careers with these groups!

- American Society of Civil Engineers Bridge Bust Competition: Bridge building contest for Middle School (Grades 6–8). 1:30 pm–4:00 pm
- Society of Women Engineers: Interactive experiments involving chemistry, aerodynamics, electromagnetism, and energy; exposing students to a variety of engineering careers.
- SAE International: Interactive experiments from their "A World in Motion" program. Information on engineering careers.
- Farnsworth Group, Inc.: Interactive experiments incorporating a number of Engineering Fields. Engineering career information will be available.
- Dewberry: Hands-on interactive engineering activity to demonstrate basic engineering principles.
- American Society of Materials Peoria Chapter (ASM-Peoria): Continuous demonstrations on material structures and properties, metal processing and magnetism.
- Caterpillar Inc.: Interactive displays, Cat machine matching game, color-and-build-a-machine activity, interactive circuit game, information on engineering disciplines.
- Heart of Illinois Chapter of Engineers Without Borders (EWB) Learn about water filtration and make a mini sand filter.
- FIRST LEGO League: Interactive demonstration of the robot challenges solved by teams of 9 to 14 year olds with LEGO Mindstorm robot kits for the 2013 season. Explanations given of the FLL competition and how to get involved in the 2014 season.
- National Society of Black Engineers: Learn basic engineering principles through fun demonstrations and hands on activities. Information on NSBE Jr/Pre-College Initiative programs.
- American Society for Quality (ASQ) Heart of Illinois Section 1211: Interactive displays and demonstrations of quality principles using statistics and quality tools. Children will see how engineering applies quality principles to improve everyday life.
- NASA Climate Science & NASA Aeronautics: Learn about NASA's research on the changes our planet is undergoing as Global Warming Solutions Group volunteers lead interactive activities for the whole family. (gwsolutionsgroup.com/) Learn about NASA Aeronautics in the planetarium.
- Central Illinois Robotics Club (CIRC): Get exposed to the world of hobby robotics and the local club that leads the way.
- Tau Beta Pi National Engineering Honor Society (IL-D): Bradley Engineering students lead miniature hovercraft building activities and demonstrate the amazing properties of ferrofluid.
- Society of Manufacturing Engineers (SME): See 3D printing as well as videos on the world of manufacturing.
- Illinois American Water Company: See stream table demonstration and learn about civil engineering.

Free Admission & Free Activities!

No Charge for Engineering Day Activities; museum admissions on Feb 16 are generously sponsored by the Peoria Area Engineering Professionals. See the back of this flier for details.

Regular fees apply for the Giant Screen Theater admissions.

**Call 309-686-7000 for more information
www.peoriariverfrontmuseum.org
222 SW Washington St. Peoria, IL 61602**

Free Admission! Engineering Day activities and museum admission are generously supported by the following engineering societies' local chapters and Peoria area engineering firms! Join us in thanking them for encouraging young minds!

Caterpillar Inc.

American Society of Civil Engineers (ASCE)

Society of Automotive Engineers International (SAE)

American Society of Materials (ASM)

Society of Women Engineers (SWE)

American Society for Quality (ASQ)

Dewberry

Maurer-Stutz, Inc.

Mohr & Kerr Engineering & Land Surveying, P.C.

Terra Engineering, Ltd.

Millennia Professional Services

Crawford, Murphy & Tilly, Inc.

Prairie Engineers of Illinois, P.C.

Farnsworth Group

Hanson Professional Services Inc.

Hermann & Associates, LLC

Midwest Engineering Professionals, Inc.

Hutchison Engineering, Inc.

Austin Engineering Co., Inc.

AMEC

Engineering Day activities begin at 12:30 and continue through 4:30 pm. Activities take place on both levels of the Peoria Riverfront Museum



The ASCE Bridge Bust and other great activities will take place in the large auditorium on the lower level of the museum.

