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# The ASME, CSRA Section Presents: A Saturday Morning Seminar

**Date:** Sat., September 17, 2005  
**Time:** 9:00 a.m. – 12:00 p.m.  
**Location:** University of South Carolina-Aiken, Penland Admin. Bldg., Room 235

**Topic:**  
Statistics,  
Hypothesis  
Testing, Data  
Analysis, and  
Mathematical  
Modeling



The September seminar will be given by Ms. Nancy Moseley, who will address attendees on the proper acquisition of statistical information and correct methods of analysis. The presentation will require one or two of our attendees to acquire some “data” during the presentation. Beyond acquiring the data, attendees will be involved in hypothesis testing, a discussion of Type I and Type II errors, power of the test, significance level, p-testing, normal distributions and z-scores, confidence intervals, and modeling of the data through the use of regression techniques.

Ms. Moseley is an instructor of mathematics in the Department of Mathematical Sciences at USC Aiken, in which capacity she has served for five years. She received her undergraduate degree in Mathematics from Winthrop College and her master's degree from USC Columbia.

**Additional details concerning registration are given on the back side of the newsletter. This seminar counts for 3 educational development credits needed to maintain PE licensure.**



The American Society of  
Mechanical Engineers

Return Mail to : Central Savannah River Area Section-ASME  
425 Cooper Mill Rd  
North Augusta, SC 29860

**NEW YORK, June 6, 2005** - Celebrating its heritage in the development of technical standards, ASME, in conjunction with its Summer Annual Meeting in Philadelphia (June 12-16), will conduct a ceremony at the Franklin Institute, where more than 140 years ago toolmaker William Sellers (1824-1905) of Philadelphia presented his system of standardized screw threads, which improved manufacturing productivity.

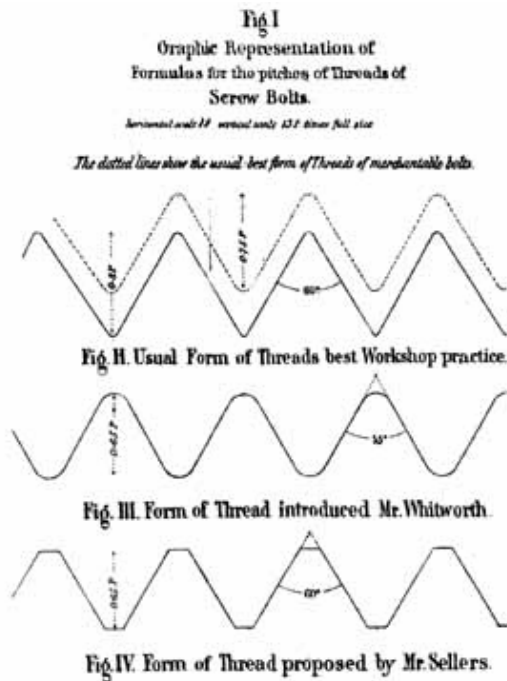
To recognize that 1864 presentation by Sellers, ASME will designate the Franklin Institute as an [ASME Mechanical Engineering Heritage Site](#) in a ceremony June 12, held at Franklin Institute's Memorial Hall at 6:00 p.m.

On April 21, 1864, Sellers outlined the rationale for designing standardized screw threads for the machine-building industry, which at the time was growing rapidly in the world - particularly in Philadelphia, a prospering center of technological innovation in rail transportation and machine tools. Sellers' system represented one of the first U.S. efforts to bring systematization and rationalization to manufacturing, an improvement on British designs by Joseph Whitworth and easier for American mechanics and machinists to cut.

Founded in 1824 for the promotion of mechanical arts, the Franklin Institute was considered a forerunner of ASME, which was founded in 1880. Sellers was then president of Franklin Institute and an innovative mechanical engineer and manufacturer, who would be granted more than 90 patents during his lifetime. Franklin Institute retains Sellers' drawings and will be displaying them on June 12, for the ceremony.

In December 1864, the Institute formally endorsed the Sellers or Franklin Institute screw threads system. A few years later, it was adopted by the U.S. Navy and became known as the United States Standard screw threads. By the 1880s, the system saw widespread use in machines with interchangeable parts - from typewriters to locomotives. On an international scale, however, practical standardization for screw threads would not evolve until well into the twentieth century.

Sellers' "rationally elegant, yet simple system of fasteners boosted productivity, simplified machinery repairs, and united diverse machine makers and users from coast to coast," says the ASME plaque honoring the United States Standard screw threads. At the designation ceremony, ASME President Harry Armen will present the heritage site plaque to Dennis Wint, the president of Franklin Institute.



## Registration Information for Statistics Seminar

Attendees may register by forwarding a check in the amount of \$25 for ASME members (\$40 for non-members) to:

Prof. Michael D. May, Chair, Dept. of  
Math & Sciences  
University of South Carolina at Aiken  
471 University Parkway  
Aiken, SC 29801- Refreshments will be  
served.

Register by calling Mike May at (803)  
641-3459 or e-mail at  
[mikem@usca.edu](mailto:mikem@usca.edu).