

AWARDS RECEIVED

In 2009, Heigel and I received the NAMRI/SME Outstanding Paper Award at the 37th Annual North American Research Conference held at Clemson University for the paper titled "High-Speed Microvideography Observations of the Periodic Catastrophic Shear Event in Cutting AISI 1045 Steel."

In 2008, Ivester and I received a Bronze Metal Award from the National Institute of Standards and Technology for outstanding achievements and scientific contributions that have advanced the state-of-the-art of measurement science for fundamental phenomena that occur during manufacturing processes.

In 2004, Burns, Dutterer, Fields, Kennedy, Levine, Rhorer, Yoon and I received the Allen V. Astin Measurement Science Award from the National Institute of Standards and Technology for work on the Kolsky Bar in recognition of "outstanding achievements and scientific contributions in the measurement of stress-strain relationships of materials under high heating-rate, high strain-rate conditions."

In 2001, Clary, Evans, McGlaufflin, Osti, Rhorer, Tilford and I received a Gold Metal Award for Distinguished Service from the US Department of Commerce for technical leadership in designing, fabricating, assembling, and testing of new encasements for the Nation's Charters of Freedom documents (Declaration of Independence, Constitution, and Bill of Rights).

In 2001, Evans, Mindek and I received an award from the Society of Manufacturing Engineers in recognition of our "diligent effort and outstanding contribution to the manufacturing research and development community" for the preparation and presentation of the paper "Visualation of Grit Interactions During the Ductile to Brittle Polishing Transition."

I received 11 Certificates of Recognition for Outstanding Performance at NIST between 1982 and 1990.

CURRENT PROFESSIONAL MEMBERSHIPS

The Society of Photo-Optical Instrumentation Engineers (SPIE)

ARTICLES BY SCIENCE REPORTERS WHERE I AM MENTIONED BY NAME

Hal Stucker, "The Resistance Movement, Super High-Speed Cameras Are Being Used In The Fight Against Crime," Photo District News, March 2004

William Hopper, "Catastrophe! Why metal fatigue and corrosion are destroying buildings, bridges-even airplanes-all across America," Popular Mechanics, August 1988.

Associated Press, "Metal fatigue still unsolved," The Reading Times, September 4, 1988.