

## Overview

The 25th Army Science Conference (ASC), sponsored by the [Assistant Secretary of the Army \(Acquisition, Logistics and Technology\)](#), will be held at the Orange County Convention Center, Orlando, Florida, November 27-30, 2006. This silver anniversary conference is a significant milestone for the Army Science and Technology (S&T) community, as it will be 50 years since the Army has been sponsoring this biennial event to promote and showcase the Army's S&T program. The conference theme is "**Transformational Army Science and Technology - Charting the future of S&T for the Soldier.**" The conference will feature talks by prominent individuals from the U.S. and Allied governments, academia and industry - included in the list of speakers are eight Nobel Prize winners - and presentations of papers and posters judged as best among those submitted by scientists and engineers from government, industry and academia. Authors of the most outstanding papers will receive special recognition and awards. Additionally, an International Collaboration Award has been initiated for this and future conferences. The audience will include representatives from academia, industry, U.S. Government and over 30 Allied nations.

### Objectives

- Provide for an opportunity for the science and technology community to discuss the latest developments in emerging technologies and their impact on the Soldier of the future.
- To provide a forum for the cross fertilization and leveraging of ideas among the many scientific and engineering disciplines relevant to the Army's missions.
- To publicly recognize the important technical achievements of scientists and engineers doing work relevant to the Army.

### Conference Awards

#### 25th Army Science Conference Best Paper Awards

Awards will be presented to the authors of the 16 most outstanding technical papers at the banquet on Thursday evening. These papers will be selected for originality of the subject matter, logical organization, clarity and conciseness, technical merit, and relevance to the Army.



The author(s) of overall best paper will receive the Paul A. Siple Memorial Award. In 1953, Dr Siple became the first United States Scientific Attaché to Australia and New Zealand. His efforts led to the development of the five-year science agreement between the United States and Australia, signed in October 1968. He is remembered by many who knew him as a friend and a warm-hearted colleague. To the world he is known especially for his outstanding contributions to explorations in Antarctica, but his interests encompassed all fields of science and intellectual endeavors. Therefore, the prestigious Silver Medallion for Achievement at the Army Science Conference is named the Paul A. Siple Memorial Award. The two next best papers will receive bronze medallions, and 13 papers will receive award

plaques.

#### Junior Science & Humanities Symposia Awards

The Junior Science and Humanities Symposia (JSHS) Program is jointly sponsored by the United States Departments of the Army, Navy, and Air Force, in cooperation with leading research universities throughout the nation. The National Association of Secondary School Principals (NASSP) has placed JSHS on the NASSP Advisory List of Contests and Activities for academic year 2005-2006.

The primary aims of JSHS are to:

- Promote research and experimentation in the sciences, engineering, and mathematics at the high school level.
- Recognize the significance of research in human affairs and the importance of humane and ethical principles in the application of research results.
- Search out talented youth and their teachers, recognize their accomplishments at symposia, and encourage their continued interest and participation in the sciences, mathematics, and engineering.
- Expand the horizons of research-oriented students by exposing them to opportunities in the academic, industrial, and governmental communities.
- Increase the number of future adults capable of conducting research and development.