

WHAT IS AAES?

The American Association of Engineering Societies (AAES) is the umbrella organization for engineering and engineering related professional societies in the United States. The objective of AAES is to work with its member societies to advance the knowledge and practice of engineering in the public interest. To meet this objective, AAES:

- Provides a forum for societies interested in advancing engineering to identify matters of common interest and exchange and discuss their members' views on these matters.
- Conducts programs and activities that enhance or otherwise serve the public interest that the member societies acting individually could not accomplish as well.
- Unites the engineering community and facilitates its constructive involvement in national and international issues where engineering could contribute to a better life for humankind.
- Collects and disseminates comparative information regarding the member societies to help them be more effective in achieve their missions.
- Collects and disseminates important statistics on the U.S. engineering profession.

AAES actively works to reach its objective domestically through our major activities and several of our working groups. In addition, to ensure that our member societies have a strong voice in the international engineering community, AAES is the United States member of the World Federation of Engineering Organizations (WFEO), the global umbrella organization for national engineering societies. AAES is also currently considering becoming the U.S. member of the Pan American Union of Engineering Societies (UPADI), the organization of engineering societies in the Americas.

MEMBERSHIP

AAES is comprised of 13 member societies – large and small, global and domestic. Our current member societies are:

- American Institute of Aeronautics and Astronautics (AIAA)
- American Institute of Chemical Engineers (AIChE)
- American Institute for Medical and Biological Engineering (AIMBE)
- American Institute of Mining, Metallurgical, and Petroleum Engineers (AIME)
- American Nuclear Society (ANS)
- American Society of Civil Engineers (ASCE)
- American Society for Engineering Education (ASEE)
- American Society of Mechanical Engineers (ASME)

- Human Factors and Ergonomics Society (HFES)
- Institute of Electrical and Electronic Engineers – USA (IEEE – USA)
- National Council of Examiners for Engineering and Surveying (NCEES)
- National Society of Professional Engineers (NSPE)
- Society of Women Engineers (SWE)

The current member societies and their representatives to AAES are shown in the attached roster.

GOVERNANCE

AAES evolved from the American Engineering Council in 1965, and has amended its Constitution and By-Laws to keep pace with the times and the needs of our member societies. The most recent revision was in 2005. These documents are attached for your information and key points are summarized below.

AAES is governed by a Board of Directors comprised of one Director from each member society. The Board meets twice each year. Day to day activities are managed by an Executive Committee (Ex Com) consisting of:

- Chair
- Chair-Elect
- Past Chair
- Three At-Large Members
- Secretary (non-voting)
- Treasurer (non-voting)
- Executive Director (non-voting)

The Chairs and At-Large Members are elected by the Board. The Secretary, Treasurer and Executive Director are appointed by the elected Ex Com Members. The person elected to the Chair-Elect position must have been a Past President of a member society.

The current members of the AAES ExCom are shown in the attached roster.

MAJOR ACTIVITIES

AAES sponsors three major activities in Washington, D.C. each year for our member societies:

- The AAES Spring Board of Directors Meeting held in conjunction with the NAE's Annual Convocation of NAE and the Professional Engineering Societies: a one day symposium plus a half-day business meeting.
- The Annual AAES Awards Dinner dedicated to the presentations of the AAES awards, held in conjunction with the Spring AAES Board of Directors Meeting.

- The AAES Fall Board of Directors Meeting; a half-day symposium and a half-day business meeting.

The Convocation and Fall meetings bring prominent speakers together with the leaders of our member societies to discuss topics of importance to the national engineering community.

Engineering Workforce Commission

For more than 50 years the Engineering Workforce Commission (EWC) has been committed to assessing America's technical and engineering workforce. The EWC tracks the entire engineering student population in U.S. colleges and universities with ABET-accredited engineering programs. In a series of annual surveys, the EWC collects data that is used to predict the ebb and flow of new engineering professionals, including the participation rates of women and minorities.

The EWC also conducts a survey of engineers' salaries to help gauge the demands of the current job market. The commission is composed of deans of engineering, corporate directors of university relations, professional society representatives, and members of the engineering community who are interested in the health and status of the engineering workforce.

Engineering & Technology Enrollments

Released annually, this report contains comprehensive statistics on undergraduate and graduate students in engineering and engineering technology programs at more than 500 ABET-accredited educational institutions in the United States. Data is sorted into specific categories including school name, enrollment level, discipline, gender, and ethnicity.

Engineering & Technology Degrees

Released annually, this report contains timely data on engineering student degrees received at more than 500 ABET-accredited engineering and engineering technology programs in the United States. Engineering & Technology Degrees provides statistics on specific combinations of schools, degree levels, disciplines, gender, and ethnicity. Data is [sorted by] bachelor's, master's and doctoral degrees in more than 20 engineering disciplines.

Engineers' Salaries: Special Industry Report

Released annually, this report contains extensive, up-to-date information on the salaries of more than 35,000 engineers in industry and government. Data in this report is categorized by industrial sectors, geographic regions, size of company (based on number

of employees), 18 experience brackets, education level, and supervisory status. Tables and graphs illustrate maturity curves for the 10th, 25th, 50th, 75th and 90th percentiles.

Salaries of Engineers in Education

Released biennially, this report provides data on the salaries of engineering faculty members at academic institutions in the United States. Data for this report is gathered from a survey of full-time faculty at engineering and engineering technology programs nationwide. Salaries are reported for six ranks: full professors, associate professors, assistant professors, instructors, researchers and other non-teaching staff, and administrators. This report provides charts and graphs of data pertaining to all engineering educators, including those teaching in PhD-granting and non PhD-granting engineering schools, and those in schools of engineering technology. Educational institutions have come to rely on this data for insight into nationwide compensation trends.

STANDING COMMITTEES

AAES has a lean organizational structure. In addition to the AAES Board and ExCom, there are only four standing committees:

- Nominating
- Awards
- Finance
- Audit

All other AAES activities are carried out by AAES Working Groups consisting of representatives from member societies interested in the topic of the Working Group. The current AAES Working Groups are:

- Public Policy
- Diversity
- Education: K-12
- Emerging Issues
- Engineer's Forum on Sustainability
- International Activities

Current members of each Working Group are shown in the attached roster. Representatives from other Societies are welcome to participate. New Working Groups can be formed if three or more member societies agree to develop and implement a work plan that is approved by the ExCom.

AWARDS

Each year, AAES recognizes leading engineers and journalists by presenting following seven awards. :

- National Engineering Award
- Kenneth Andrew Roe Award
- Norm Augustine Award for Outstanding Achievement in Engineering Communications
- John Fritz Medal
- AAES Engineering Journalism Award
- Joan Hodges Queaneau Palladium Medal (with National Audubon Society)
- AAES Chair's Award