



C. D. Mote, Jr.  
*President*

October 2014

Dear Member:

The National Academy of Engineering celebrates its 50th anniversary this year! This milestone provides us the opportunity to highlight how the quality of life of all people inextricably depends on engineering in the future as it has throughout history. Please help the NAE continue to enhance the public understanding of engineering and maintain its leadership in promoting the profession through your support.

As part of the 50<sup>th</sup> anniversary celebration, the NAE sponsored an Engineering-for-You (E4U) video contest and commissioned essays, both dedicated to raising public awareness of the value of engineering. The E4U contest reached out internationally to students, NAE members, and the public and closed on March 31 with over 600 entries. Of those, 15 finalists were selected to compete for the People's Choice Award; they can be viewed at [www.nae.edu](http://www.nae.edu). The winning videos—including People's Choice Award, Best Overall, and Category winners—will be announced at the 50th anniversary celebration during the NAE Annual Meeting on September 28, 2014 in Washington, DC. The four essays are written around four time periods: 1964, the year the Academy was founded; subsequent 25 year benchmarks- 1989 and 2014; and the future, the next 50 year window. Both the essays and the videos highlight that engineering solves problems of society and people. The winning E4U videos and the essays can be found on [www.nae.edu](http://www.nae.edu) after the Annual Meeting.

Private support has helped fund the EngineerGirl! website and its essay contest. Geared toward girls and boys in grades 3 through 12, this year's essay contest mirrored the E4U video contest and focused on "50 Years of Engineering in Society." More than 800 essays were submitted to the competition. One parent of a participant noted:

"As a parent, I [was] enthralled and inspired by my daughter's growing excitement as I watched her eyes sparkle as she researched the history of space travel and dreamed and wrote about its future possibilities. As her parent, it was especially fantastic to hear the excitement in her voice as she read her rough drafts to me with her ideas. Her enthusiasm was contagious!"

To read the winning essays, visit [www.engineergirl.org](http://www.engineergirl.org).

The Center for Engineering, Ethics, and Society (CEES) activities address ethically significant issues that arise in engineering and scientific research, education, and professional practice. CEES projects engage a wide audience to help improve ethics education and enhance social responsibility in engineering and science. The popular Online Ethics Center for Engineering and Science (OEC) provides literature, case studies, teaching tools, and references on ethics to engineering and science students, teachers, and professionals.

Additionally, private support helped the NAE launch a major project, called *Making Value for America*. This project aims to create a modern framework to address national needs associated with a changing U.S. manufacturing sector. This study will identify best business practices, educational approaches, and policy recommendations to strengthen the value obtained from the holistic manufacturing-design-innovation value chain in the United States.

We are also working with members and volunteers to reach several ambitious fundraising goals in celebration of the 50<sup>th</sup> anniversary milestone, including a 50% giving participation rate among members within each NAE Section, and 50 new estate or planned gifts by the end of 2014. Two sections have already reached the 50% participation goal, and all are within reach of this milestone. To learn more about our goals for the 50<sup>th</sup> anniversary campaign, please visit [www.nae.edu/50thgiving](http://www.nae.edu/50thgiving).

This semi-centennial year provides an opportunity to highlight how the future quality of life of all people and the needs of our society depend on engineering solutions. The only certainty about the future is that it will depend on engineering, just as it always has. I invite you to make a gift this year in honor of our 50<sup>th</sup> anniversary and to support our continuing efforts.

Thank you for your involvement and dedication to our work together.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Dan Mote". The signature is fluid and cursive, with the first name "Dan" and the last name "Mote" clearly distinguishable.

C. D. Mote, Jr.