Excellence Awards in Science and Engineering (EASE)

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Excellence Awards in Science and Engineering (EASE)

- EHR
- HRD
- EASE
  - PAESMEM (Mentoring)
  - PAEMST (Teaching)
Presidential Awards at NSF

- Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring (PAESMEM)
- Presidential Award for Excellence in Mathematics and Science Teaching (PAEMST)
- President's National Medal of Science
- Presidential Early Career Award for Scientists and Engineers (PECASE)

http://www.nsf.gov/awards/presidential.jsp
Congress established OSTP in 1976 with a broad mandate to advise the President and others within the Executive Office of the President on the effects of science and technology on domestic and international affairs.

http://www.whitehouse.gov/administration/eop/ostp/
With Today’s Allotted Time

• Overview of PAESMEM and PAEMST Awards
• What’s Your Role?
  – Can I nominate someone?/Can I help spread the word?
  – Should I apply? Can I apply?
  – Could I be a reviewer on a panel?
• Open for Questions/Discussion
Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring (PAESMEM)
The purpose of the PAESMEM award is to recognize U.S. citizens and permanent residents and U.S. organizations that have demonstrated excellence in mentoring underrepresented students, trainees, and early career scientists and engineers. Established by the White House in 1995. Up to 16 awardees may be recognized each year.
PAESMEM: STEM Mentors

- Nearly 240 individuals and organizations have been recognized since the start of program.

- Recipients receive a trip to Washington, D.C., for recognition events, a certificate signed by the President, and a $10,000 award from NSF.
“...we celebrate the contributions of all those who cultivate a supportive environment for the next generation, and we recommit to expanding mentorship opportunities across our country.”

President Barack Obama

Presidential Proclamation of National Mentoring Month, 2012
Individuals and organizations in all public and private sectors are eligible:

- Industry
- Academia
- Primary and secondary education
- Military and government
- Non-profit organizations
- Foundations
Individual nominees must be U.S. citizens or permanent residents

- Past individual PAESMEM awardees are not eligible for re-nomination

Organizational nominees must be affiliated with a U.S. corporation, educational institution or agency, military or government agency, non-profit organization, or foundation

- Past organizational PAESMEM awardees may be re-nominated after 10 years
PAESMEM Eligibility (continued)

- At least 5 years of demonstrated and sustained exceptional mentoring of:
  - Students;
  - Trainees; and/or
  - Early career scientists and engineers, from underrepresented groups in STEM.

- Groups that are underrepresented in STEM include:
  - Women;
  - People with disabilities;
  - Underrepresented racial and ethnic minorities;
  - Individuals from low socio-economic backgrounds; and
  - Individuals from some geographic regions, such as urban and rural areas.
How do I nominate?

• To nominate, email PAESMEM@nsf.gov or

• Contact the nominee directly encouraging him/her/them to apply and submit a (proposal) nomination

• The PI is the nominee; the co-PI is the person submitting the nomination (in the event it is not the nominee)
PAESMEM Nomination
Nomination Components

**Individual nominations**
Must include:
1) Project Summary (Overview)
2) Project Description
3) References Cited
4) Biographical Sketches
5) Supplementary Documentation (Letters of Recommendation/Support)

**Organizational nominations**
Must include:
1) Project Summary (Overview)
2) Project Description
3) References Cited
4) Biographical Sketches
5) Supplementary Documentation (Letters of Recommendation/Support)
Nomination Content

Individual nominations
Must include:
1) a mentoring philosophy (1-2 pages);
2) a description of the mentoring activities (up to 6 pages);
3) a resume or CV for the nominee (up to 2 pages); and,
4) between two and four letters of recommendation/support.

Organizational nominations
Must include:
1) a brief description of the organization (1 page);
2) a mentoring philosophy (1-2 pages);
3) a description of the mentoring accomplishments (up to 6 pages);
4) resumes or CVs for up to five organizational representatives (up to 2 pages each); and,
5) between two and five letters of recommendation/support.
Organizational Nominations Only

- Information to give the reader an introduction to the organization (one page).
- Information on the organization, such as, but not limited to:
  - Background and origins
  - Vision and mission
  - Partners and collaborators
  - Funding and management
  - Other relevant information
Mentoring Philosophy

• Both the Individual and Organizational nominations (one to two pages only).

• The mentoring philosophy should answer the following:
  • What does “mentoring” mean to you?
  • Why is your motivation and interest to mentor?
  • Why do you think mentoring is important in STEM?
  • Why do you think mentoring is important to individuals from groups underrepresented in STEM?

• Nominations should include references to literature and/or models that were used to develop the mentoring philosophy and style, where applicable.
Description of the Mentoring Activities

Both the Individual and Organizational nominations (up to 6 pages).

The description should explain how the nominee’s mentoring activities are above and beyond those expected from other mentoring activities. For example, narratives may include:

• The description of the mentoring activities and strategies
• The number of years of mentoring experience
• The reason for targeting the chosen population of students, trainees, and/or early career scientists and engineers
• Innovative mentoring activities developed and implemented
• Other awards and recognitions received by the nominee, if applicable
• Description of how the mentoring activities were designed and tailored to meet the needs and interests of the mentees
Data on mentoring outcomes should be included in the nomination submission. For example:

- The number and demographics of mentored students, trainees, and/or early career scientists and engineers.
  - Do not include demographic information by name; aggregate demographic information is acceptable.

- Outcome information on mentees mentored such as:
  - Academic achievement, retention, degree attainment
  - Research productivity and mentoring activities
  - Career placement and career satisfaction
  - Promotion and attainment of leadership roles
For Individual nominees:
• Clearly delineate the achievements of the *individual* nominee as separate from achievements of his or her corporation, institution, agency or organization.
• Ensure that it is clear that the numbers provided are for those mentees that were *personally* mentored by the nominee.

For Organizational nominees:
• Describe the organization's assessment of the mentoring activities
Resume’s and/or CVs:

• Individual nominations
  • Two page resume for the nominee
  • No formatting requirements (include correct contact information)

• Organizational nominations
  • Up to five two-page resumes can be included:
    • One for the primary organizational representative
    • Up to four more for other organizational representatives
    • No formatting requirements (include correct contact information)
Letters of Support for Individual and Organizational nominations:

- At least two letters of support
  - Up to four for individual nominees
  - Up to five for organizational nominees

- Letters can be from mentees and/or colleagues familiar with the mentoring work (no formatting requirements for the letters).
Impact:
Are the impacts and outcomes of the mentoring outstanding?

Significance:
Are the mentoring accomplishments above and beyond what would be expected for other individuals in similar positions?

Quality:
How well has the nominee designed, tailored, and implemented the mentoring activities and strategies for the targeted mentees?
Review Criteria – Organizations

Impact:
Are the impacts and outcomes of the mentoring outstanding?

Significance:
Are the mentoring activities and strategies regarded as exemplars and have potential for wider implementation?

Quality:
How well has the nominee designed, tailored, and implemented the mentoring activities and strategies for the targeted mentees? How well has the organization assessed the impacts of the mentoring activities?
PAESMEM: Your Role

1. Can I nominate someone? / Can I help spread the word?
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Website/Info for Webinars:
www.nsf.gov/paesmem
Presidential Award for Excellence in Mathematics and Science Teaching (PAEMST)
PAEMST: STEM Teachers

• The **Highest Recognition** that a kindergarten through 12th grade mathematics or science teacher may receive for outstanding teaching in the United States

• Established by Congress in 1983

• The President may bestow up to 108 awards per year*
An award may be given to two teachers (ideally one math and one science) from:

- each of the 50 states,
- Washington D.C.,
- Puerto Rico,
- Department of Defense Education Activity schools, and
- the US Territories as a group (US Virgin Islands, Guam, American Samoa, and Northern Mariana Islands).
PAEMST: STEM Teachers

• Awardees receive:
  – A trip for two to Washington, D.C. for recognition events
  – A certificate signed by the President
  – A $10,000 award from NSF to be used at the awardee’s discretion

• More than 4300 awardees have been recognized since inception.
President Obama with PAEMST Awardees
“Every person in this room remembers a moment in which an educator showed them something about the world – or something about themselves – that changed their lives. It could be a word of encouragement, a helping hand, a lesson that sparked a question, that ignited a passion, and ultimately may have propelled a career. Scientists and engineers are made in those moments; doctors are made in those moments; teachers are made in those moments…”

President Obama
Eligibility (for 2015)

An applicant must:

• Teach mathematics or science (including computer science) as part of their contracted teaching responsibilities at the 7-12th grade level in a public or private school.

• Hold at least a bachelor’s degree from an accredited institution.

• Be full-time employees of the school or school districts as determined by state and district policies, with responsibilities for teaching students no less than 50 percent of the school’s allotted instructional time.

• Have at least five years of full-time employment as a K-12 teacher during which mathematics or science (including computer science) has been a part of the applicant’s teaching duties prior to the 2014-2015 academic school year.
An applicant must:

• Teach in one of the 50 states, the District of Columbia, the Commonwealth or Puerto Rico, the Department of Defense Education Activity schools, or the U.S. territories as a group (American Samoa, Guam, Commonwealth of the Northern Mariana Islands, and U.S. Virgin Islands).

• Be a U.S. citizen or permanent resident.

• Not have received the PAEMST award at the national level in any prior competition or category.
ANYONE may nominate a teacher

HBCU-UP PIs, Colleagues, Former Awardees, Principals, Students, Superintendents, Family Members, Friends

OR teachers may apply directly at www.paemst.org

7th-12th Grade Teachers: 2014-2015
K-6th Grade Teachers: 2015-2016
President Obama with PAEMST Awardees
How do I nominate a teacher?

Go to the PAEMST.org and click on Nominate a Teacher.
On the Nomination Page, please provide:

• the Teacher’s 
  • e-mail address 
  • name 
  • school name, address and telephone number 
• your contact information 
• how you know the teacher 
• how you heard about PAEMST
PAEMST Timeline

• **Nomination Deadline (7th – 12th Grade Teachers)**
  – April 1, 2015

• **Application Deadline**
  – May 1, 2015

• **State Selection Committees Meet**
  – May and June 2015

• **National Selection Committees Meet**
  – July and August 2015

• **Recognition Events in Washington DC**
  – Following Year (2016)
PAEMST Application

• Components
  – Administrative
  – Narrative
  – Video

• Five Dimensions of Outstanding Teaching
  – Content Knowledge, Instructional Strategies, Assessment, Reflection and Life Learning, and Leadership
PAEMST: Your Role

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Website/Info for Webinars:

www.paemst.org
EASE Team

• Martha James
• Marilyn Suiter
• Jim Colby
• Shanelle Clay
• Cindy Douglas
• Toni Edquist

• YeVonda McIlwaine
• Nickie Godwin
• Al Wilson
• Anna Summer
• Steven Baird
• Nafeesa Owens
Contact Us

• STEM Mentors (PAESMEM)
  – PAESMEM@nsf.gov

• STEM Teachers (PAEMST)
  – info@PAEMST.org

Reminder: If interested in serving as a reviewer, email us your resume/CV.
Thank you!

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