Welcome to the application for the Charles M. Vest NAE Grand Challenges for Engineering International Scholarships.

To be considered for the scholarship, you must be currently enrolled in an eligible university. Before applying, please visit the Program Summary page to review additional requirements.

To complete the application, you will need to provide:

1. Electronic transcripts from all universities referenced in the application.

2. Two letters of recommendation: one from the dean/head of engineering at your current graduate institution and one from a faculty member who is familiar with your work. You will be asked to provide an email address for each recommender.

   • Separately, you will need to contact each recommender and supply them with a copy of the recommendation form that is available on the Application page of the website.

   • Each recommender will need to submit your letter as an email attachment to vestscholars@mit.edu

   • Please ask your recommenders to submit their letters in advance of submitting your application, so the recommendation is submitted by the scholarship deadline.

3. A personal statement of up to 1,000 words describing why you wish to conduct research in the Grand Challenge area you have selected. Include information on previous experience that has prepared you to conduct this research, and how you think the Grand Challenge Scholarship opportunity will help you advance this work. Prior to submitting your application, you are encouraged to identify and communicate with potential research mentors at your intended U.S. host school.

4. OPTIONAL: Recent scores on the quantitative, verbal, and writing Graduate Record Examinations (GRE).

Please note that if you are selected as a Vest Scholar by one of our participating schools, the institution may require additional information to finalize your acceptance.

Applicants whose primary language is not English may be asked to provide official scores for the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS) directly to any institution considering their application.

Reminder:
Incomplete applications will not be reviewed.
All documents not written in English must be accompanied by English translations from the issuing institution or a professional translation service.

Application Deadline:
November 4, 2020

VEST SCHOLARSHIP APPLICATION

Charles M. Vest NAE Grand Challenges for Engineering International Scholarships

1. Personal Information

First Name _____ M.I _____ Last Name _____

Date of Birth _____ Gender _____

Current Institution _____

Address _____

City _____ State or Province _____

Postal Code _____ Country _____

Email _____

Phone _____

Country of Citizenship _____

2. Education History

Undergraduate Degree _____

Undergraduate Institution _____

Country _____

Field of Study (major) _____

Start Date (mm/yyyy) _____ Completion Date (mm/yyyy) _____

2nd Undergraduate Degree,
if applicable _____

2nd Undergraduate Institution _____

Country _____

Field of Study (major) _____

Start Date (mm/yyyy) _____ Completion Date (mm/yyyy) _____

Current Graduate Program _____

Current Graduate Institution _____

Field of Study (major) _____

Type of Degree Expected _____

Start Date (mm/yyyy) _____ Completion Date (mm/yyyy) _____

Previous Graduate Program _____

Previous Graduate Institution _____

Field of Study (major) _____

Degree Received?   Yes   No

If Yes, Type of Degree Received _____

Start Date (mm/yyyy) _____ Completion Date (mm/yyyy) _____

3. Grand Challenge Selection

It is the applicant's obligation to match their research interest with a U.S. university that supports their Grand Challenge area. Please consult the **Research Challenges** page on **http://vestscholars.mit.edu** to determine which institution is appropriate for your application.

We strongly encourage applicants to identify and communicate with potential research mentors at their prospective U.S. host school prior to submitting their application.

Please indicate the U.S. engineering school that best matches your Grand Challenge interest

Duke University Pratt School of Engineering

California Institute of Technology, Division of Engineering and Applied Science

Olin College

University of Southern California, Viterbi School of Engineering

University of Washington, College of Engineering

Illinois Institute of Technology

Massachusetts Institute of Technology, School of Engineering

North Carolina State University, College of Engineering

West Virginia University Benjamin M. Statler College of Engineering and Mineral Resources

Choose one Grand Challenge research area (please confirm that it is offered at your chosen university)

Make solar energy economical

Provide energy from fusion

Develop carbon sequestration methods

Manage the nitrogen cycle

Provide access to clean water

Restore and improve urban

Infrastructure

Advance health informatics

Engineer better medicines

Reverse-engineer the brain

Prevent nuclear terror

Secure cyberspace

Enhance virtual reality

Advance personalized learning

Engineer the tools of scientific discovery

OPTIONAL: Please provide us with the name of a researcher you have contacted at the university where you would like to study

4. Additional Documents

Please consult the first page of this application for detailed instructions about the list of required attachments. Documents on the list below should be converted to PDF format and emailed as attachments to **vestscholars@mit.edu**.

1. Electronic transcripts from all universities referenced in the application.

2. Letters of recommendation (See Section 5)

3. Personal statement

4. Most recent GRE test scores (optional)

   - Verbal Reasoning Score/Percentile _____

   - Quantitative Reasoning Score/Percentile _____

   - Analytical Writing Score/Percentile _____

5. Recommender Information

Please provide information about your recommenders below. Also, consult the first page of this application for detailed instructions about the recommendation process: your recommenders are required to submit their recommendations in PDF format as email attachments to **vestscholars@mit.edu**.

Dean/Head of Current Engineering Institution

Name	_____
Title	_____
Name of Institution	_____
Address	_____
Email Address	_____

Faculty Member

Name	_____
Title	_____
Name of Institution	_____
Address	_____
Email Address	_____

6. Student Signature

Signature _____

Applicant's Name _____ Date _____