

REQUEST: Please prioritize robust funding levels for the development of critical science and technology. Texas leadership in science, technology, talent, and innovation is at a critical juncture. While our competitors accelerate, Texas risks abandoning the research and innovation enterprise that made it the powerful economy it is. In particular, development of the science and engineering workforce in Texas relies on the pursuit of advanced degrees, with most of those students now working in the private sector. In addition, the rapid growth in the area of Artificial Intelligence (AI) requires significant attention to insure its appropriate development and use in Texas.

Science, Technology, Engineering, and Mathematics

- Develop and expand the future workforce, including technicians and engineers in the power sector, microelectronics, and AI
- Ensure that Texas has an AI-capable workforce and can build the infrastructure to realize the economic benefits of AI technology
- Funding to support research and development fulfills the mandate to accelerate key technologies in order to advance Texas competitiveness.
- Provide academic institutions with robust funding to continue Texas. industrial competitiveness nationally and to modernize aging research facilities.

Artificial Intelligence

- Support AI education and retraining opportunities to meet current and future workforce needs.
- Encourage the design, development, and deployment of competitive, safe, trustworthy, and ethical AI systems.
- Develop and promote standards for the use of AI that adhere to the core principles of due process, openness, consensus, balance, and the right of appeal.
- Encourage partnerships between government, private entities, and universities
- Secure, modernize, and expand energy generation and transmission
- infrastructure with appropriate use of AI.

IEEE

The IEEE mission is to foster technological innovation and excellence for the benefit of humanity. As the world's largest technical professional organization, IEEE aims to advance technology, promote an inclusive culture, and be essential to the global technical community through research, standards, and education.

Core Aspects of the IEEE Mission (2025-2030 Strategic Plan):

- Advancing Technology for Humanity: Leveraging engineering and science to improve global conditions.
- Fostering Innovation & Excellence: Promoting scientific integrity, ethical development, and the use of technology.
- Essential Technical Community: Acting as a trusted source for research, publications, conferences, and technical standards.
- Global Collaboration: Providing opportunities for interdisciplinary collaboration across industry, academia, and government.
- Promoting Diversity: Supporting diversity, equity, and inclusion within technical professions.

Core Values:

According to the [IEEE Strategic Plan 2025-2030](#), the organization operates on core values including trust, service to humanity, growth and nurturing, and integrity in action.

IEEE-USA Specific Mission:

[IEEE-USA](#) serves American members by recommending policies, implementing programs, and acting as a voice on policy to promote U.S. prosperity.

Lone Star Section

The Lone Star Section was formed in November, 2019 and serves more than 500 higher grade members and over 100 student members living and working throughout Central and South Texas, but primarily in the San Antonio area and surrounding counties ([LSS Area Map](#)). The LSS is one of 27 sections in Region 5 with 11 Society Chapters and Affinity Groups and 4 Student Branch Chapters.

The Section provides planning and funding support to assure Chapters have vibrant programs to support members' careers and meet the IEEE mission of Advancing Technology for Humanity. Lone Star Section activities are available in our newsletter.