



*Broadening the Participation of Hispanics in  
the STEM Fields: The Role of Technical  
Professional Organizations*

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White House Initiative on Educational Excellence for Hispanic Americans  
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**SHPE AHETEMS, Inc: A Foundation for Educational Success**



## *History*

- The Society of Hispanic Professional Engineers (SHPE) was founded in Los Angeles, California, in 1974 by a group of engineers employed by the City of Los Angeles. The objective was to form a national organization of professional engineers to serve as role models in the Hispanic community. The concept of networking was the key basis for the organization. SHPE quickly established two student chapters to begin the network that would eventually grow to encompass the nation. Today, SHPE enjoys a strong but independent network of professional and student chapters throughout the nation.



## *Mission & Vision*

- **Mission** – SHPE – The Source for Quality Hispanic Engineers and Technical Talent
- **Vision** - SHPE is the leading social/technical organization whose primary function is to enhance and promote the educational and personal potential of Hispanics in engineering, math and science.



## *Objectives*

- Increasing educational opportunities.
- Promoting personal and professional growth.
- Carry out social responsibility positioning in the forefront of education, business and government issues.
- Evoke pride and respect among SHPE's members throughout the organization.
- Reinforce SHPE's solid outstanding reputation as a vital force within the Hispanic community, and as an organization.



## *What is the value of the New SHPE*

For the Hispanic Community	Is the SOURCE of <u>roles models</u> and success stories that inspire our community.
For Students	Is the SOURCE of support for academic excellence and mentoring from K-12 to college, graduate school and beyond.
For Professionals	Is the SOURCE of opportunities for <u>leadership and professional development</u> .
For Corporations	Is the SOURCE of <u>quality talent</u> for the competitive advantage of corporate America.
For the American Society	Is the SOURCE of a Hispanic workforce committed to <u>have America lead in innovation, science and technology</u> .
For the Global Society	Is the SOURCE of <u>diversity</u> and enrichment of the global culture with our family oriented, community oriented, and creativity oriented Hispanic perspective.



## *Foundation*

### ● AETHEMS

- Established in March 2004 as a 501c3
- Purpose to develop and direct SHPE's educational enrichment and education-related programs
- Office facilities opened in June 2005 at the University of Texas at Arlington



## *Who is “SHPE”*

- **MemberSHPE** - SHPE is comprised of more than 240 chapters housed on college and university campuses, 52 Professional chapters, 20 SHPE JR Chapters.
- These chapters/members are geographically divided into seven regions.



## *Members*

- Total Student MemberSHPE : 7679
- Total Professional MemberSHPE: 2345
- Total Lifetime MemberSHPE: 151





## *Programs - National*

- SHPE Conference
- NILA
- SHPE Magazine
- STAR Award Program
- Regional Leadership Conferences



## *SHPE AHETEMS Programs*

- Pre-College Outreach National Programs
  - Space and Summer Camps
  - Pre-College Symposia
  - Science Bowl Competition
  - SHPE Jr chapters
- Undergraduate Programs
  - Scholarships
  - Internships
  - National Competitions

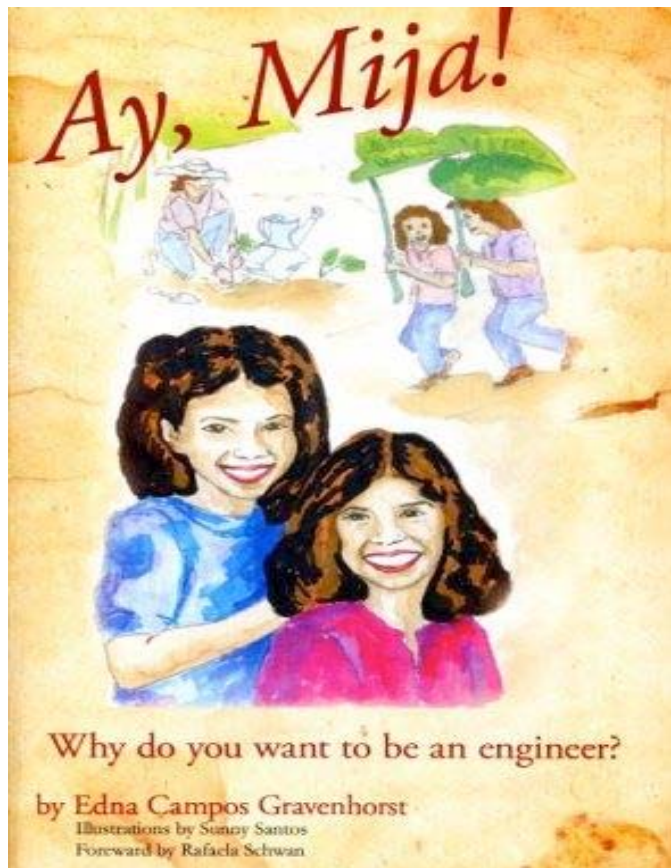


## *SHPE AHETEMS Programs*

- Graduate Programs
  - SHPE/GEM Awards
  - GRAD Lab
  - Graduate Institute
- STAR Educator of the Year Award
  - K-12
  - Higher Education



# *Ay Mija Book Series*



# *Edu-Comic Book*





## *Professional Programs*

### ● Professional Development Series

- Leadership and Professional workshops at NTCC

### ● Management Growth Training (MGT)

- Increase your ability to think strategically and create a personal or organizational strategic plan
- Better understand self and others to increase leadership effectiveness and take more effective action to communicate in crucial high stake situations
- Expand your personal sphere of influence and inspire action to support your organization and the Hispanic Community.

### ● Executive LeaderSHPE Institute

- Increase the number of Hispanics in Executive positions in Corporate America.



## *Programs Assessment*

- ELI 2005
  - Developed inaugural ELI assessment and conducted data analysis
- NTCC 2006
  - Developed comprehensive workshop and conference assessment
  - Currently analyzing data on workshop assessments
  - Currently analyzing data for correlations between workshop attendance and conference attendees
- NTCC 2007
  - Continue to conduct workshop and conference assessment
  - Develop comprehensive Pre-College Symposia pre and post-assessment



## Points of Contact

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