

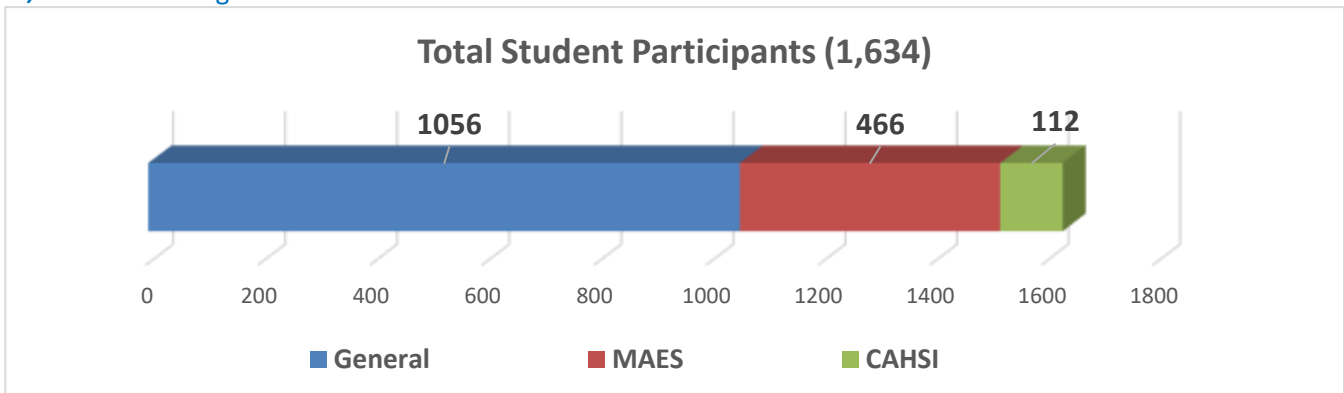
Great Minds in STEM™ (GMIS) in association with **MAES – Latinos in Science and Engineering** and **CAHSI – Computing Alliance of Hispanic-Serving Institutions** thanks their sponsors and supporters, especially the conference host sponsors – **Lockheed Martin Corporation, The Boeing Company, Shell Oil Company, and the Northrop Grumman Corporation** – in convening over **3,000** individuals from all sectors of science, computing, engineering and math within academia, government, military and corporate America. In a first-of-its-kind, unprecedented orchestration of three sister organizations, the HENAAC Conference proudly hosted top executives, senior management, recruiters, college students, faculty and administrators, as well as middle school and high school students, teachers, and administrators. The HENAAC Conference drew a diversity of high caliber STEM students, from a broad array of institutions, as the conference continues to be a competitive recruiting forum for STEM diversity.

COLLEGE STUDENT SUMMARY

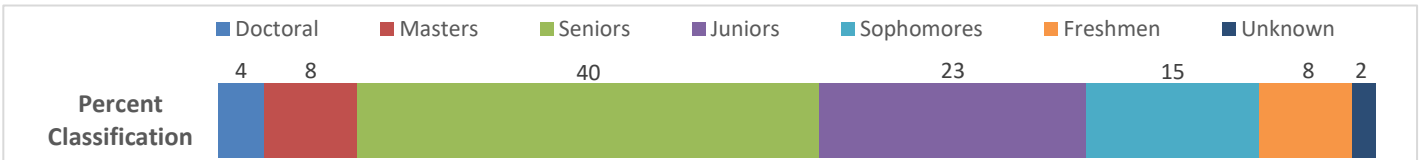
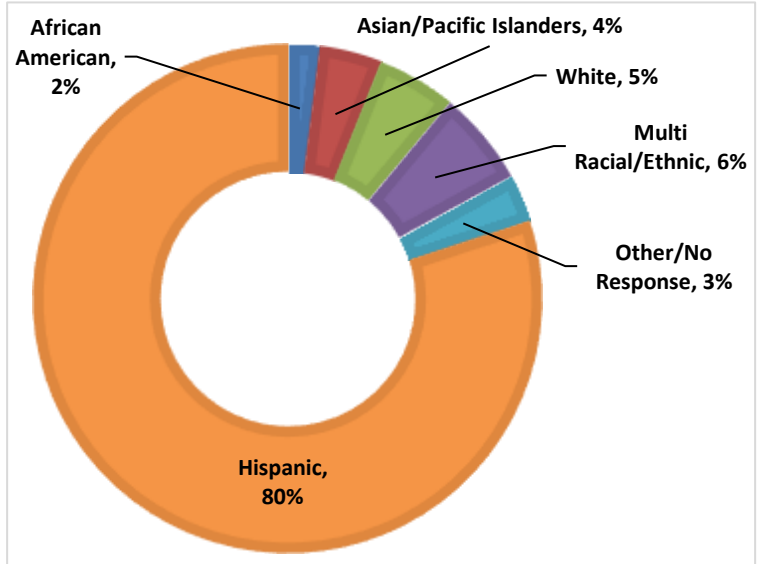
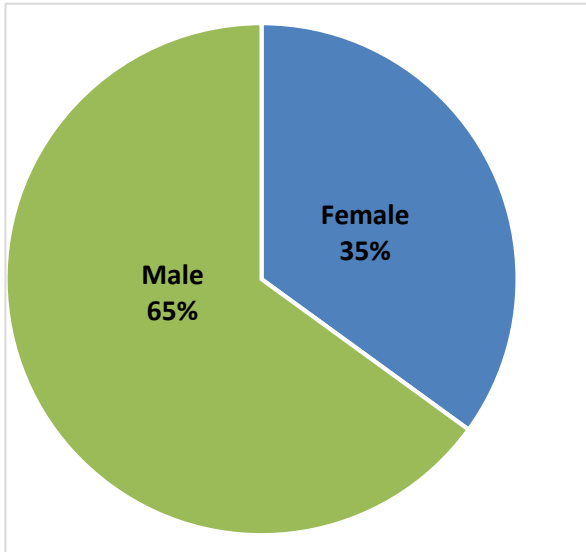
The HENAAC Conference showcased and recognized technically-talented students through the HENAAC Scholars Program, HENAAC College Bowl™, Research Posters Competition, MAES Decathlon and CAHSI Hackathon. The conference attracted students, administrators and faculty from **129** institutions, including top-ranked *U.S. News & World Report* institutions, Research I Institutions, Hispanic-Serving Institutions, Historically Black Colleges and Universities. and 2-year colleges.

The overall **average GPA** of student attendees was **3.28**

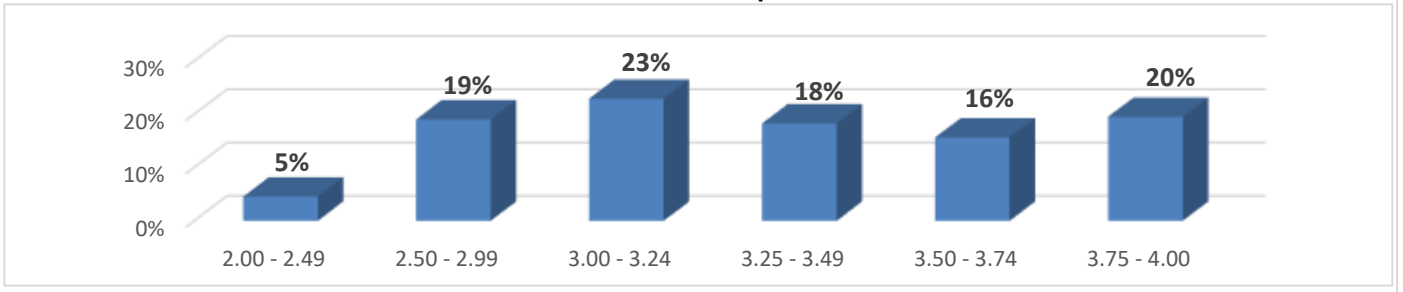
The HENAAC Conference thanks its Academic Hosts – the **University of California, Irvine**, the **California State University System**, and the **California State University, Los Angeles**, and its Academic Partners – **University of Southern California, East Los Angeles College, Pasadena City College, and California State University, Long Beach** for helping to convene over **1,600** STEM college students.



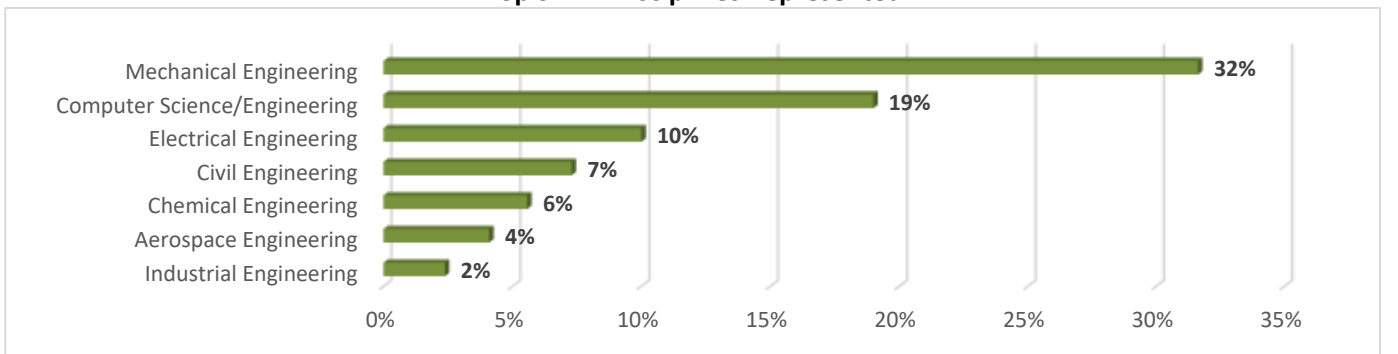
Profile of College Student Registrants



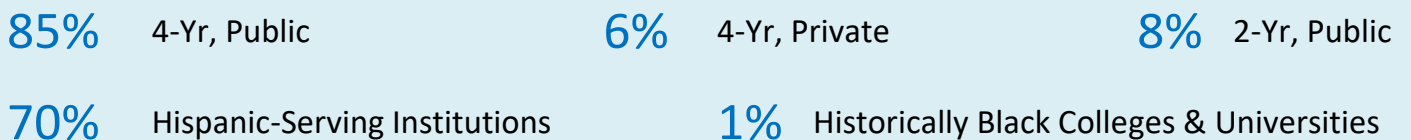
Distribution of Self-Reported GPAs



Top STEM Disciplines Represented



Student Attendance by Institutional Type



130 Colleges and Universities Represented – Conference Wide

<p>American River College * Angelo State University Arizona State University Butte College California State University, Office of the Chancellor California State Polytechnic University, Pomona * California State Polytechnic University, San Luis Obispo * California State University, Chico * California State University, Dominguez Hills * California State University, Fullerton * California State University, Long Beach * California State University, Los Angeles * California State University, Monterey Bay * California State University, Northridge * California State University, Sacramento * California State University, San Marcos * California State University, Stanislaus Carnegie Mellon University * Chabot College * City College of New York * College of the Canyons * Colorado State University - Pueblo Cornell University DePaul University Drexel University * East Los Angeles College * El Camino College * El Paso Community College Embry-Riddle Aeronautical University Florida Gulf Coast University * Florida International University Florida Technical College Georgia Institute of Technology * Glendale Community College Graduate Center, City University of New York Harvard Business School Illinois Institute of Technology Iowa State University Jackson State University Keck Graduate Institute of Applied Life Sciences</p>	<p>Keller Graduate School of Management * Laredo Community College Lehigh University * Lehman College Louisiana State University Loyola Marymount University Massachusetts Institute of Technology Michigan State University * New Mexico Institute of Mining and Technology * New Mexico State University * Norco College North Carolina State University * Northeastern Illinois University Northeastern University Northwestern University Ohio State University Ohio University * Pasadena City College Polk State College * Polytechnic University of Puerto Rico Purdue University * Reedley College Rice University * Richland College * Rio Hondo College Rochester Institute of Technology Rush University Medical Center Rutgers University-Camden * San Antonio College * San Diego State University * San Jose State University * Santa Ana College * Santa Barbara City College Savannah State University * St. Mary's University Stanford University Stevens Institute of Technology Temple University Texas A&M University * Texas A&M University - Corpus Christi * Texas A&M University - Kingsville Texas Southern University * Texas State University Texas Tech University Tufts University U.S. Air Force Academy</p>	<p>U.S. Coast Guard Academy U.S. Military Academy U.S. Naval Academy UCLA David Geffen School of Medicine University of Arkansas University of California, Berkeley University of California, Davis University of California, Irvine University of California, Los Angeles * University of California, Merced University of California, San Diego University of Central Florida University of Colorado Boulder University of Connecticut University of Florida University of Hawaii at Manoa University of Holy Cross * University of Houston * University of Houston - Downtown University of Illinois at Urbana-Champaign University of Louisiana at Lafayette University of Michigan University of Nevada, Las Vegas University of Nevada, Reno * University of New Mexico University of New Orleans University of North Texas University of Notre Dame University of Pennsylvania * University of Puerto Rico * University of Puerto Rico at Arecibo * University of Puerto Rico at Mayaguez University of South Florida University of Southern California University of Tennessee - Knoxville University of Texas at Arlington University of Texas at Austin * University of Texas at Dallas * University of Texas at El Paso * University of Texas at San Antonio * University of Texas Rio Grande Valley * Valencia College Virginia Polytechnic Institute and State University Washington State University - Tri-Cities</p>
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* Hispanic-Serving Institution



STUDENT COMPETITIONS

543 college students – representing 33% of student registrants - participated in a competition.

Competition	Student Participants	Teams	Male	Female	Grad Student	Sr	Jr	So	Fr	HS
HENAAC College Bowl	289	26	73%	27%	5%	39%	26%	23%	7%	
Research Posters Competition	109	-	61%	39%	40%	35%	14%	5%	1%	5%
MAES Decathlon	50	10	54%	45%	-	8%	46%	36%	10%	-
CAHSI Hackathon	83	28	73%	27%	5%	54%	25%	4%	8%	-
MAES Intern Tournament	12	-	55%	45%	18%	45%	36%	-	-	-

HENAAC College Bowl™ XVII

The 2016 HENAAC College Bowl™ was sponsored by NASA, for the 17th consecutive year. The winning team was **Northrop Grumman – Alpha**. The **David Burris Tribute Award**, a peer-selected award in recognition of a coach who shines as “best mentor” to the students, was presented to **Oscar Cerón** from **The Boeing Company** team.

Number of Students Registered/Waitlisted	453
Number of Coaches/Judges	78
Number of Student Awards	34
Number of Teams	26
Special Recognition Awards	8

Research Posters Competition

This year, the expansion of the Technical Papers and Posters Competition into the Research Posters Competition, inclusive of MAES and CAHSI students, initially registered **221** students with an interest to present a poster, of which **144** submitted an abstract and **109** proceeded to present their poster. A first for this year, was the inclusion of high school presenters.

Number of Presenters	109
General	56%
CAHSI	28%
MAES	16%
Number of Awards	18

MAES Decathlon

The 2016 MAES College Decathlon was sponsored by **Lockheed Martin Corporation**, **Booz Allen Hamilton**, and **ExxonMobil**. The winning team was **New Mexico State University**, coached by **Elizabeth D Tapia** from **NASA**. Second place was **Purdue University**, coached by **Vicdaly D Williams** from **ExxonMobil**.

Number of Students	50
Number of Chapters	10
Number of Teams	10
Number of Student Awards	5

STUDENT COMPETITIONS (continued)

CAHSI Hackathon

The CAHSI Hackathon, a two-part competition, was sponsored by **Lockheed Martin Corporation**, **Booz Allen Hamilton** and **Verizon**. This cyber-security, attack-oriented competition of “Capture the Flag” placed CAHSI-affiliated students in teams against each other to solve challenges related to computer security. Participants attended a mandatory Ethical Hacking demonstration, and then participated in either a Novice or Advanced game of “Capture the Flag.”

Number of Students	83
Number of Teams	10
Number of Student Awards	18
Special Recognition Awards	2

MAES Intern Tournament

The 2016 MAES Intern-Tournament was sponsored by **ExxonMobil** and **Lockheed Martin Corporation**. The winning participant was **Erik Lopez**, who interned at the University of Texas at El Paso Academic Technologies Department. Erik was presented with an Apple MacBook Air.

Number of Students	12
Number of Student Awards	5

HENAAC Scholars Program

Over **1,600** applications were received for the HENAAC Scholars Program, which offers both merit-based academic scholarships and STEM Civic Leadership Scholarships. The application period runs from January 31 – April 30, annually. This year, GMiS surpassed **\$3.1M** in direct scholarship support to over **1,200** college students, through the HENAAC Scholars Program!

Number Awarded	149
Total Awarded	\$483,296
Average GPA	3.72

GENDER

41% Female
59% Male

CLASSIFICATION

17% Graduate Students
34% Seniors
21% Juniors
12% Sophomores
15% Freshmen

Travel & Registration Grants – College Students and K-12 Educators & Students

With the addition of MAES and CAHSI, over **\$135,128** was awarded in student travel and registration grants. Registration grants ranged from partial to full support. This was in addition to **\$483,296** provided in merit-based scholarships, STEM civic leadership scholarships, and competition awards.

College Students

Total Travel Grants	53,699.94
Airfare Grants	38,856.94
Other Travel Grants	14,843.00
Total Registration Grants	81,428.75

PROFESSIONAL SUMMARY

The HENAAC Conference recruited an engaged group of 1,127 professionals, including 48 HENAAC Award winners. Dr. Gabriela Gonzalez, Spokesperson for the LIGO Scientific Collaboration (LSC) and Professor of Physics at Louisiana State University was honored as the 2016 HENAAC Scientist of the Year. GMiS honored, Edelmiro (Ed) Muñiz, Executive Chairman of the Board of Directors for MEI Technologies as the 2016 HENAAC Engineer of the Year.

Number of Registered Professionals 1,127

Representation by Sector

Corporate	59%
Military	14%
Academia (K-20)	13%
Government	5%
Non-Profit	8%
Other/Guests	1%

Number of HENAAC Professional Award Winners 48 (33% female)

Representation by Sector

Corporate	52%
Military	21%
Academia (K-20)	14.5%
Government	12.5%

CAREER AND GRADUATE FAIR

Est. Number of Participants	2,761
Entities Represented	91

Booth Representation by Sector

Corporate	39%
Military	11%
Universities	29%
Government	11%
Non-Profit	10%

K-12 EDUCATION SUMMARY

GMiS hosted 303 K-12 students, teachers and administrators!

For the fifth year, a Viva Technology™ Program – VT300 and VT150 - was held at the conference for local middle school and high school students, respectively. VT300 was sponsored by **Shell Oil Company** with co-sponsorship from **Dow Chemical**. The VT150 was supported by the **U.S. Air Force**. The Chaperone Workshop was presented by the Robotics Education & Competition Foundation. Disney supported prizes to student teams.

Chaperone Workshop

Participants	29
HS Educators	17%
MS Educators	76%
Other	7%

Viva Technology™ – High School

Number of Students	81
Number of Teachers	5
Number of Schools	2

Magnolia Science Academy – Santa Ana (Santa Ana, CA)
Loara High School (Anaheim, CA)

Viva Technology™ – Middle School

Number of Students	193
Number of Teachers	21
Number of Schools	4

Carnegie Middle School (Carson, CA)
Curtiss Middle School (Carson, CA)
Magnolia Science Academy 3 (Carson, CA)
Perry Lindsey Middle School (Long Beach, CA)

SOCIAL MEDIA

From October 3 – 9, 2016, GMiS monitored three of its social media platforms – Twitter, Facebook and Snapchat – with regards to showcasing the convening power of the HENAAC Conference.

Estimated Total Exposure During Conference: 120,000

TWITTER:

Tweets	43
Followers Pre:	9,460
Followers Post:	9,560
Followers Current:	9,688
Retweets	102
Favorites	277
Daily Impressions	14,200

FACEBOOK:

Total Reach	42,068
Posts	40
Post Likes	328
Comments	45
Shares	31
Conference Page Likes	Pre: 2,716
Conference Page Likes	Post: 2,783

SNAPCHAT:

Total Views	20,300
Users	361

Retweets: Times a user retweeted the Tweet; **Favorites:** Times a user favorited the Tweet;

Follows: Times a user followed you directly from the Tweet

Please visit www.greatmindsinstem.org for more information, photos & videos from the 28th HENAAC Conference.

SAVE THE DATE

29th HENAAC Conference • October 18 – 22, 2017
Pasadena, CA