

**30<sup>th</sup> HENAAC CONFERENCE**  
**OCTOBER 17 - 20, 2018 • PASADENA, CA**  
**“GENERATION XCELLENCE”**

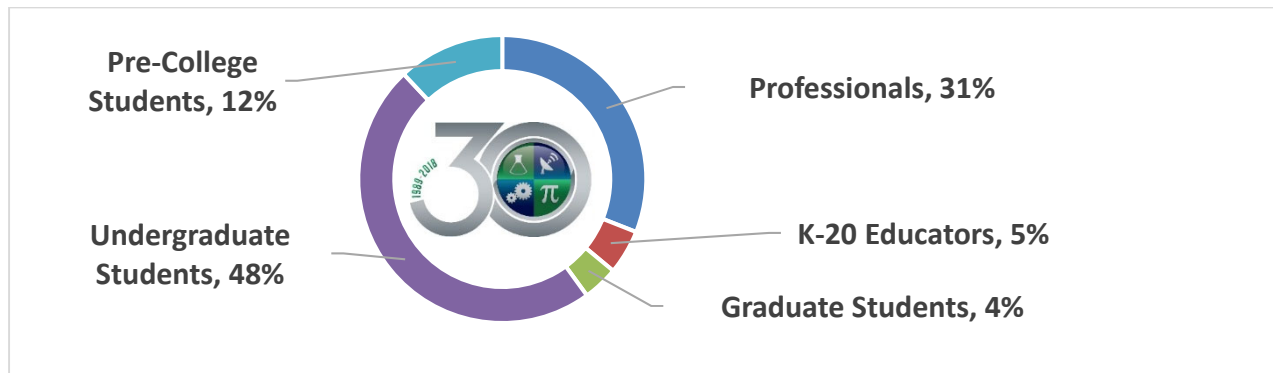
**CONFERENCE PROFILE**

**3,400** Attendees  
**\$644,629** College Scholarships and Competition Awards  
**\$164,000** Travel and Registration Grants

Since 1989, **Great Minds in STEM (GMiS)** has contributed to the success of thousands of STEM professionals, college students, and K-12 educators, students, and parents, through its legacy HENAAC Conference, HENAAC Awards, HENAAC Scholars Program, and Viva Technology Program. GMiS thanks its sponsors and supporters, for believing in the mission and delivery of its programs and services to our underserved and underrepresented communities.

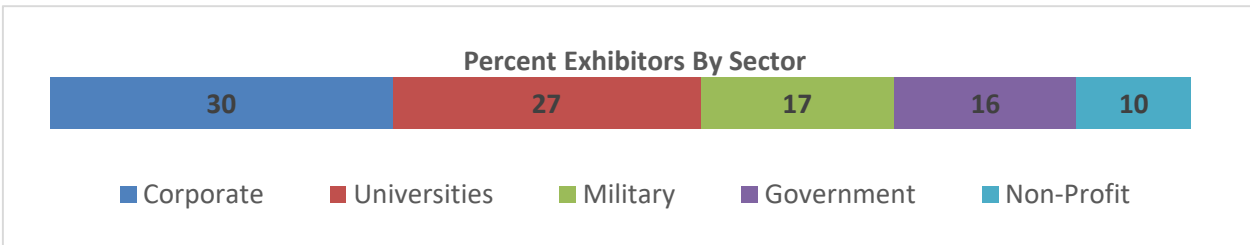
The 2018 HENAAC Conference, marked the 30<sup>th</sup> Anniversary for the organization and highlighted ongoing and new strategic initiatives and partnerships – such as the new **Community College Initiative**, inclusive of scholarships, mentoring and targeted seminars. Thank you to the conference host sponsors – **Lockheed Martin Corporation, Shell Oil Company, The Boeing Company** and the **Northrop Grumman Corporation** – and Academic Hosts and Partners – **California State University System, University of Southern California, California Institute of Technology** and **Pasadena City College** – for spearheading the convening of **3,400** individuals from all sectors of science, computing, engineering and math within academia, government, military and corporate America. As GMiS continues to expand its partnership with **CAHSI – Computing Alliance of Hispanic-Serving Institutions**, the **CHCI - Congressional Hispanic Caucus Institute**, and **NOGLSTP - National Organization for Gay and Lesbian Science and Technical Professionals** it remains focused on ensuring that STEM diversity remains at the forefront and in all aspects of economic prosperity for our nations underserved and underrepresented communities.

**Percent Total Conference Participants**



**CAREER & GRADUATE SCHOOL FAIR**

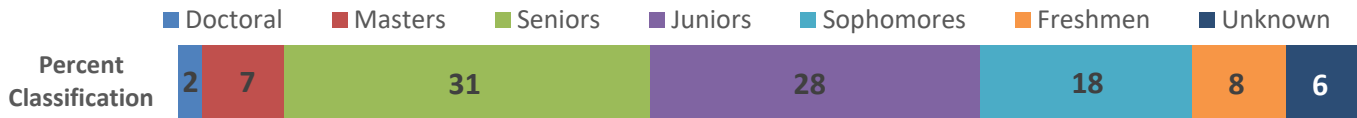
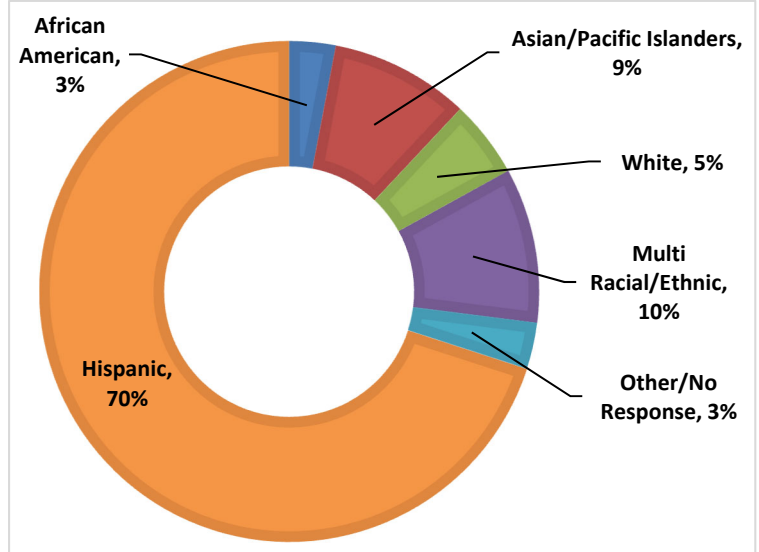
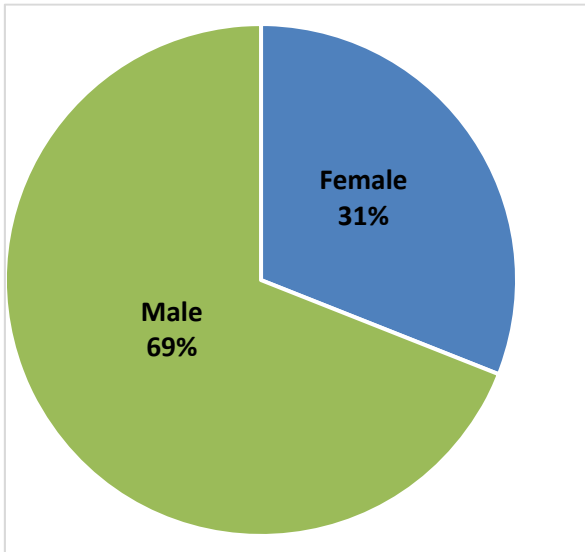
**Est. Number of Participants**                      **2,994**                      **Number of Entities Represented**                      **87**



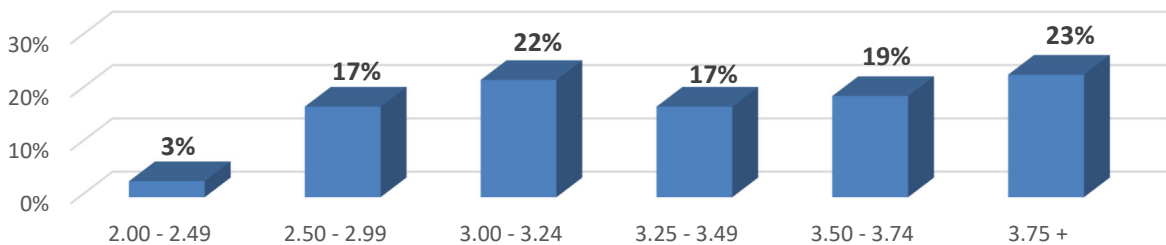
1,768 College Students

141 Institutions

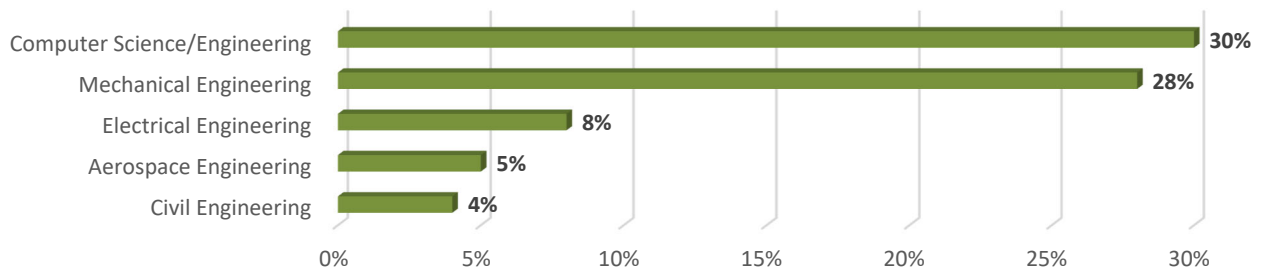
Profile of College Student Registrants



Distribution of Self-Reported GPAs



Top STEM Disciplines Represented



## Student Attendance by Institutional Type

**72%** 4-Yr, Public

**9%** 4-Yr, Private

**19%** 2-Yr, Public

**77%** Hispanic-Serving Institutions

### 141 Colleges and Universities Represented – Conference Wide

Argosy University	Kent State University	U.S. Military Academy
Arizona State University	Lamar University	U.S. Naval Academy
Baruch College	Los Angeles Pierce College	University of Alabama
Binghamton University	Louisiana State University	University of Alaska Fairbanks
Boston University	Loyola Marymount University	University of Arizona
Brigham Young University	Loyola University - Chicago	University of California, Berkeley
Butte College	Massachusetts Institute of Technology	University of California, Davis
California Institute of Technology	Medgar Evers College	University of California, Irvine
California Lutheran University	Merced Community College	University of California, Los Angeles
California State Polytechnic University, Pomona	Mission College	University of California, Merced
California State Polytechnic University, San Luis Obispo	Napa Valley College	University of California, Riverside
California State University Office of the Chancellor	New Mexico Institute of Mining and Technology	University of California, San Diego
California State University, Dominguez Hills	New Mexico State University	University of California, Santa Barbara
California State University, Fresno	New Mexico State University Office of the Chancellor	University of California, Santa Cruz
California State University, Fullerton	New York City College of Technology	University of Central Florida
California State University, Long Beach	Northeastern Illinois University	University of Colorado Boulder
California State University, Los Angeles	NYU Tandon School of Engineering	University of Florida
California State University, Monterey Bay	Oxnard College	University of Hawaii at Manoa
California State University, Northridge	Pasadena City College	University of Houston
California State University, Sacramento	Polytechnic University of Puerto Rico	University of Houston - Clear Lake
California State University, Stanislaus	Pontificia Universidad Católica Madre y Maestra	University of Houston - Downtown
Cañada College	Portland State University	University of Illinois at Chicago
Case Western Reserve University	Purdue University	University of Louisiana at Lafayette
College of the Canyons	Rice University	University of Michigan
Colorado School of Mines	Rio Hondo College	University of Nebraska – Lincoln
Columbia University	Rush University Medical Center	University of Nevada, Reno
CSU Office of the Chancellor	Rutgers University	University of New Mexico
Cypress College	San Diego State University	University of New Orleans
East Los Angeles College	San Francisco State University	University of Notre Dame
Eastern Washington University	San Jose State University	University of Pennsylvania
El Paso Community College	Santa Ana College	University of Puerto Rico
Embry-Riddle Aeronautical University	Santa Barbara City College	University of Puerto Rico at Arecibo
Florida Gulf Coast University	Skyline College	University of Puerto Rico at Mayaguez
Florida Institute of Technology	Smith College	University of Puerto Rico at Rio Piedras
Florida International University	Solano Community College	University of Rochester
Florida State University	Stanford University	University of South Florida
Georgia Institute of Technology	Stevens Institute of Technology	University of Southern California
Glendale Community College	Texas A&M University	University of Tennessee - Knoxville
Harvard Business School	Texas A&M University - Corpus Christi	University of Texas at Arlington
Harvard University	Texas A&M University - Kingsville	University of Texas at Austin
Illinois Institute of Technology	Texas A&M University - San Antonio	University of Texas at Dallas
Iowa State University	Texas Southern University	University of Texas at El Paso
Jackson State University	The College of New Jersey	University of Texas at San Antonio
Kean University	The Pennsylvania State University	University of Texas Rio Grande Valley
Keck Graduate Institute of Applied Life Sciences	The University of Texas at Tyler	Utah State University
	Tulane University	Valencia College
	U.S. Coast Guard Academy	Ventura College
		Virginia Polytechnic Institute and State University
		West Texas A&M University

## COMPETITIONS

	HENAAC College Bowl	Research Posters Competition	CAHSI Hackathon Novice & Advanced
Student Participants	285	83	147
Teams	24	-	54
Male	66%	72%	70%
Female	34%	28%	30%
Graduate Student	2%	20%	9%
Senior	28%	41%	32%
Junior	38%	29%	23%
Sophomore	24%	7%	23%
Freshmen	8%	2%	13%

GMiS presented  
**\$29,450** in  
competition awards.

### HENAAC College Bowl™ XIX

The 2018 HENAAC College Bowl™ was sponsored by **NASA**, for the 19<sup>th</sup> consecutive year. The competition theme was “Journey Into the Rain Forest.” The winning teams were **U.S. Air Force** (First Place), **Northrop Grumman Alpha** (Second Place), **Lockheed Martin Space Mariachis** (Third Place). 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 **Eric Valentin** of the **Lockheed Martin Guardians** team.

<b>Students</b>	<b>Number of Coaches/Judges</b>	72	<b>No. of Student Awards</b>	36
<b>Registered &amp; Waitlisted</b>	<b>Number of Teams/Students</b>	24 (285)	<b>Special Recognition Awards</b>	8
316				

### 9<sup>th</sup> Annual Research Posters Competition

**Sponsors:** The Boeing Company, Northrop Grumman Corporation, U.S. Air Force Research Laboratory, American Petroleum Institute, and Dow Chemical

**No. of Submissions:** 110

**No. of Posters:** 83

**No. of Awards:** 18

### CAHSI Hackathon

**Sponsors:** Rockwell Collins, CIA, Lockheed Martin Corporation, and Leidos

**Students Registered & Waitlisted:** 248

**No. of Awards:** 18

**Winning Team(s):** CSU-Dominguez Hills, New Mexico Institute of Mining and Technology, New Mexico State University, Polytechnic University, University of Puerto Rico at Mayaguez, and University of Texas at El Paso

## HENAAC SCHOLARS

Over **1,600** applications were received for the HENAAC Scholars Program, which offers both merit-based academic scholarships and STEM Civic Leadership Scholarships. GMiS subsidizes over \$800 in conference travel, lodging and registration per Scholar.

<b>Number of Scholarships</b>	155	<b>Gender</b>	
<b>Total Awarded</b>	\$615,179	63% <b>Male</b>	
<b>Average GPA</b>	3.72	37% <b>Female</b>	
<b>Classification</b>	17 % <b>Graduate Students</b>	20 % <b>Sophomores</b>	
	20 % <b>Seniors</b>	16 % <b>Freshmen</b>	
	27 % <b>Juniors</b>		

GMiS surpassed  
**\$4.2M** in direct  
scholarship support  
to over **1,400**  
college students.

## TRAVEL & REGISTRATION GRANTS

GMiS awarded **\$808,629** in college student travel, registration, scholarships and awards!

Nearly **\$164,000** was awarded in travel and registration grants to college students. Registration grants ranged from partial to full support.

Registration Grants		Travel Grants	
# Supported	Total Awarded	# Supported	Total Awarded
460	\$84,217.00	339	\$79,772.67

## EARLY-CAREER FACULTY SYMPOSIUM

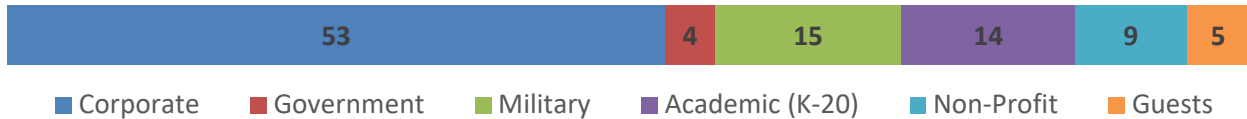
Through the National Science Foundation collaborative research project grant (EEC 1548322) - *Collaborative Research: ASSIST: Strengthening Engineering Faculty through Diversity-Serving Professional Organization Engagement* - GMiS hosted its third Early-Career Faculty Symposium. This four-year grant, along with the NSF INCLUDES design and development launch pilot (EEC 1649384) - *LEVERAGE: Strengthening the ASSIST Collaborative to Illuminate Engineering Faculty Pathways* - is intent on increasing faculty diversity in engineering.

**27** Grantees  
**33%** From MSIs  
**48%** Current Faculty  
**41%** Female

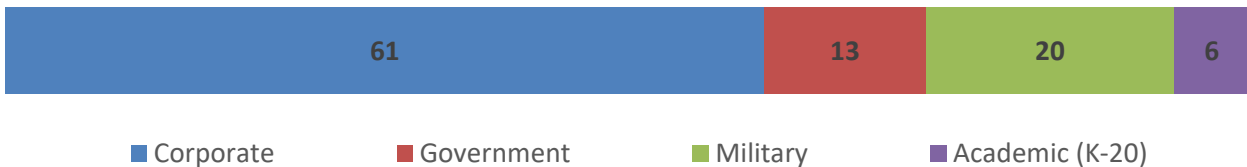
## PROFESSIONAL SUMMARY

The HENAAC Conference recruited an engaged group of **1,226** professionals, including **54** HENAAC Award winners. **Dr. L. Rafael Reif**, President, Massachusetts Institute of Technology was honored as the **2018 HENAAC Engineer of the Year**. GMiS honored **Dr Clarise Starr**, Deputy Chief of Applied Technology & Genomics Division Aeromedical Research Department at the U.S. Air Force School of Aerospace Medicine from the U.S. Air Force Research Laboratory as the **2018 HENAAC Scientist of the Year**.

**Percent Professional Participants By Sector (n=1,226)**



**Percent HENAAC Award Honorees By Sector (n=54)  
(39% Females)**



## PRE-COLLEGE PROGRAMS

GMiS hosted **452** pre-college students, teachers and administrators!

For the 7<sup>th</sup> year, a Viva Technology™ Program was held at the conference for local middle school and high school students.

### VT - High School

**Sponsor:** Southern California Gas Company

**No. of Students:** 160

**No. of Schools:** 4

Cathedral High School  
San Fernando High School  
Sylmar Biotech Health Academy  
Sylmar Charter High School

### VT - Middle School

**Sponsor:** Shell Oil Company

**No. of Students:** 246

**No. of Schools:** 3

Elliot Middle School  
Washington STEAM Magnet Academy  
Wilson Middle School

### K-12 Educators

**Sponsors:** Northrop Grumman Foundation; The Boeing Company

**No. of Educators:** 46

The K-12 Education Workshop was presented by nCASE.

## SOCIAL MEDIA AND MOBILE APP

From October 18 – 21, 2018, GMiS monitored four of its social media platforms – Twitter, Facebook, SnapChat, and Instagram – to showcase the HENAAC Conference.



#HENAAC30

<b>Tweets</b>	88
<b>Followers Pre</b>	14,181
<b>Followers Post</b>	14,309
<b>Followers Current</b>	14,380
<b>Retweets</b>	93
<b>Favorites</b>	432
<b>Total Impressions</b>	127,636



<b>Total Impressions</b>	139,049
<b>Total Reach</b>	103,382
<b>Posts</b>	63
<b>Posts Likes</b>	4,556
<b>Comments</b>	246
<b>Shares</b>	333
<b>Conference Pre Page Likes</b>	3,957
<b>Conference Post Page Likes</b>	4,093



<b>Swipes</b>	2.7K
<b>Views</b>	12.5K
<b>Uses</b>	227
<b>Usage</b>	8.3%



Average of 150 views per *Instagram Stories*. This is a new social media tool for 2018.

<b>Mobile App</b>	Users	1.17K	Navigation Taps	16.5K
	User Rate	52.8%	Total Engagement	38.1K

## SAVE THE DATES

### 2019 HENAAC CONFERENCE

September 25 – 29, 2019

Walt Disney World Resorts • Lake Buena Vista, FL

HENAAC SCHOLARSHIP DEADLINE – April 1, 2019

HENAAC AWARDS NOMINATION DEADLINE – May 1, 2019