



CONFERENCE OVERVIEW

Great Minds in STEM™ (GMI) thanks its sponsors and supporters, especially the conference host sponsors – **Lockheed Martin Corporation, Northrop Grumman Corporation, and The Boeing Company** – in convening over **2,500** individuals from across education, government, military and corporate America. GMI proudly hosted top executives, senior management, recruiters, college students, faculty and administrators, and elementary school and middle school students, teachers, and administrators. GMI 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

GMI continues to showcase and recognize its most technically-talented students through the HENAAC Scholars Program, Protégé Mentorship Program, HENAAC College Bowl™, and Technical Papers & Posters Competition. GMI attracted students, administrators and faculty from **112** 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.

GMI awarded **\$508,187** in student travel, registration, scholarships and awards!

GMI thanks its Academic Hosts – the **University of Southern California, the California State University System, and the California State University, Los Angeles**, and its Academic Partners – **Pasadena City College, East Los Angeles College, California State University, Long Beach** and the **University of California, Irvine** for helping to convene over 1,100 STEM college students.

In total, GMI awarded **\$102,568** in student travel and registration grants. This was in addition to **\$405,619** provided in merit-based scholarships, STEM civic leadership scholarships, and competition awards. This year, GMI surpassed \$2.6M in direct scholarship support to over 1,000 college students, through the HENAAC Scholars Program!

Total Student Participants 1,194

Average GPA[†]: 3.26

[†]Based on self-reported information

Registered Students – Full 3-Day Conference 974

Gender	Classification	STEM Disciplines
34% Female	3% Doctoral	33% Mechanical
66% Male	7% Masters	15% Computing
	44% Seniors	10% Electrical
	18% Juniors	7% Civil
	18% Sophomores	7% Industrial
	8% Freshmen	6% Chemical
	2% No Response	5% Biological
		5% Aerospace/Aviation
Race/Ethnicity		
4% African American		
5% Asian/Pacific Islanders		
81% Hispanic		
6% White		
4% Other/No Response		
Institutional Type		
76% 4-yr Public	71% Hispanic-Serving Institutions	
10% 4-yr Private	1% Historically Black Colleges and Universities	
14% 2-yr Public		

112 Colleges and Universities Represented – Conference Wide

Antelope Valley College	Iowa State University	U.S. Military Academy
Arizona State University	Jackson State University	U.S. Naval Academy
Bakersfield College	Lamar University	Universidad del Sagrado Corazon
Benemerita Universidad Autonoma de Puebla	Louisiana State University	University of California, Berkeley
Boise State University	Loyola Marymount University	University of California, Irvine
Butte College	Miami Dade College - North Campus	University of California, Los Angeles
California Baptist University	Miami Dade College - Wolfson Campus	University of California, Merced
California Institute of Technology	Morgan State University	University of California, Riverside
California State Polytechnic University, Pomona	New Jersey Institute of Technology	University of California, San Diego
California State Polytechnic University, San Luis Obispo	New Mexico Institute of Mining and Technology	University of California, San Francisco School of Medicine
California State University (System)	New Mexico State University	University of California, Santa Cruz
California State University, East Bay	Norco College	University of Central Florida
California State University, Fresno	Northeastern University	University of Colorado at Boulder
California State University, Fullerton	Ohio State University	University of Florida
California State University, Long Beach	Palomar College	University of Houston
California State University, Los Angeles	Pasadena City College	University of Houston - Downtown
California State University, Monterey Bay	Penn State University Dubois	University of Illinois at Urbana-Champaign
California State University, Northridge	Polytechnic University of Puerto Rico	University of Maryland, College Park
California State University, Sacramento	Purdue University	University of Michigan
California State University, San Bernardino	Rice University	University of Nevada, Reno
California State University, San Marcos	Rush University Medical Center	University of New Mexico
City College of New York	Rutgers University	University of Oklahoma
College of the Canyons	San Diego State University	University of Portland
College of the Desert	San Jose State University	University of Puerto Rico at Humacao
Cornell University	Santa Ana College	University of Puerto Rico at Mayaguez
East Los Angeles College	Santa Fe College	University of South Florida
El Paso Community College	Southern Methodist University	University of Southern California
Embry-Riddle Aeronautical University	Southwestern College	University of Texas at Arlington
Florida Gulf Coast University	St. Mary's University	University of Texas at Austin
Florida Institute of Technology	Stanford University	University of Texas at El Paso
Florida International University	Syracuse University	University of Texas at San Antonio
Glendale Community College	Texas A&M International University	University of Texas Rio Grande Valley
Harvard Business School	Texas A&M University	University of Virginia
Illinois Institute of Technology	Texas A&M University - Kingsville	Washington State University
Indiana University - Purdue University Indianapolis	Texas Southern University	Washington State University-Tri-Cities
Inter American University of Puerto Rico – Ponce	Texas Tech University	Washington University in St. Louis
	The University of Texas at Tyler	Youngstown State University
	Tulane University	
	U.S. Coast Guard Academy	

HENAAC Scholars Program

Over **1,400** 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.

Number Awarded	118	Gender		Classification	
		48% Female		13% Graduate Students	
Total Awarded	\$ 391,419	52% Male		36% Seniors	
				25% Juniors	
Average GPA	3.65			9% Sophomores	
				17% Freshmen	

HENAAC College Bowl™ XVI – Theme: “Space”

The 2015 HENAAC College Bowl™ was sponsored by NASA, for the 16th consecutive year. The winning team was **IBM**. 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 **Marissa Suarez** from the **Walt Disney World Resort** team.

Number of Students Registered/Waitlisted	420	Gender (Students)		Classification	
		34% Female		4.5% Graduate Students	
		66% Male		47% Seniors	
Number of Coaches	48			24% Juniors	
		Number of Student Awards	30	20% Sophomores	
Number of Teams	24	Special Recognition Awards	8	4.5% Freshmen	

Protégé Mentorship Program

The Protégé Mentorship Program included three highly interactive and engaging sessions on *Networking Basics and Active Listening*, *Behavioral Interviewing*, and *Workplace and Education Realities*.

Number of Protégés	162	Gender (Students)		Classification	
		33% Female		12% Graduate Students	
Number of Mentors Across All Three Events	43	67% Male		48% Seniors	
				16% Juniors	
				19% Sophomores	
				5% Freshmen	

Technical Papers & Posters Competition

Number of Students Selected to Present	70	Gender		Classification	
		47% Female		34% Graduate Students	
		53% Male		39% Seniors	
				16% Juniors	
		Number of Awards	9	10% Sophomores	
				1% Freshmen	

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

College Students

Total Travel Grants	\$ 58,536		
Airfare Grants	\$ 47,175	# Supported	151
Other Travel Grants	\$ 11,361	# Supported	80

K-12 Students and Educators

Total Travel Grants	\$ 24,000
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Total Registration Grants	\$ 44,032	# Supported	293
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PROFESSIONAL SUMMARY

GMiS recruited an engaged group of **976** professionals, including **49** HENAAC Award winners. For the first time, the HENAAC Scientist of the Year and the HENAAC Engineer of the Year were women! **Dr. Karen Lozano**, the Julia Beecherl Endowed Professor and Founder/Director of the Nanotechnology Center of Excellence at the **University of Texas Rio Grande Valley** and Chief Technology Officer of the **FibeRio Technology Corporation** was honored as the **2015 HENAAC Engineer of the Year**. GMiS honored **Dr. Elisa Quintana**, NASA Senior Fellow, Planetary Scientist and Physicist, from **NASA AMES Research Center** and the **SETI Institute**, as the **2015 HENAAC Scientist of the Year**. GMiS also inducted **Dr. Enrique Lavernia**, Provost and Executive Vice Chancellor at the **University of California, Irvine**, into the **HENAAC Hall of Fame**.

Number of Registered Professionals **976**

Representation by Sector **56% Corporate** **3% Military** **14% Academia (K-20)**
 14% Government **9% Non-Profit** **4% Other/Guests**

Number of HENAAC Professional Award Winners **49** *(35 percent female)*

Representation by Sector **49% Corporate** **25% Military** **12% Academia (K-20)**
 14% Government

CAREER AND GRADUATE FAIR

As a leading, non-membership, national organization, in the STEM arena, GMiS convened an opportunity-filled conference for underserved students and STEM recruiters.

Est. Number of Participants **2,200** **Number of Entities Represented** **83**

Booth Representation by Sector **27% Corporate** **18% Military** **18% Universities**
 25% Government **12% Non-Profit**

K-12 EDUCATION SUMMARY

For the sixth consecutive year, GMiS held its National K-12 Educators Institute, a professional development program, hosting educators from California, Maryland, Texas and Washington DC. Thanks to the sponsorship from Northrop Grumman Corporation and the U.S. Air Force, and support from the REC Foundation, nCASE, NASA JPL, California State University, Los Angeles, and the U.S. Patent and Trademark Office.

GMiS hosted 432 K-12 students, teachers and administrators!

For the fourth year, a Viva Technology™ Program – VT300 - was held at the conference for local middle school students, thanks to the sponsorship from Shell Oil Company, the Los Angeles Dodgers Foundation, and Dow Chemical. For the first time, a pre-conference Viva Technology™ Program was held as part of the overall conference footprint. The Program, held at Jackson STEM Dual Language Magnet Academy was sponsored by The Boeing Company, and included the Teacher Orientation, the Parent Orientation, and the Student Day.

K-12 Educators Institute
Participants **36**

Gender
64% Female
36% Male

Type
28% Administrators
30% HS Teachers
28% MS Teachers
14% ES Teachers

Viva Technology™ – Elementary
No. of Students **115**
No. of Teachers **10**
No. of Schools **1**
Jackson STEM Dual Language
Magnet Academy (Pasadena, CA)

Viva Technology™ – Middle School
No. of Students **245**
No. of Teachers **26**
No. of Schools **4**
Belvedere Middle School (Los Angeles, CA)
Hollenbeck Middle School (Los Angeles, CA)
Stevenson Middle School (Los Angeles, CA)
Washington STEAM Magnet Academy
(Altadena, CA)

SOCIAL MEDIA

From October 12 – 18, 2015, GMiS monitored two of its social media platforms – Twitter and Facebook – with regards to the promotion of its conference. Below are the results of this first time reporting effort as the organization continues to showcase the convening power of its HENAAC STEM Career Conference.



#HENAAC27

facebook

Est. Total Exposure During Conference **400,000**

Total Facebook Reach **63,634**

Tweets **58**

Retweets **187**

Posts **35**

Conference Page Likes

Followers

Favorites **241**

Comments **211**

Pre **1,707**

Pre **6,510**

Daily **8,800**

Shares **162**

Post **1,886**

Post **6,648**

Impressions

Current **6,760**

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 and videos about the 27th HENAAC STEM Career Conference.

ADDITIONAL INFORMATION

Conference Sponsorship - Bertha Haro, M.P.A., Director of Development – bharo@greatmindsinstem.org

Professional Programs – Monica Villafaña, Esq., Director of Professional Programs - mvillafana@greatmindsinstem.org

University Programs – Gary Cruz, Ph.D., Sr. Manager of University Programs - gcruz@greatmindsinstem.org

K-12 Programs – Lupe Muñoz-Alvarado, M.A., Director of Education Programs - lmalvarado@greatmindsinstem.org

SAVE THE DATE

28th HENAAC STEM Career Conference

Powered by

Great Minds in STEM™

October 5 – 9, 2016

Anaheim, CA



Great Minds in STEM™ is a **Proud GuideStar Silver Rated Non-profit** and among the **top 1% most-viewed organizations** on GuideStar.



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