



## 2014 HENAAC CONFERENCE OVERVIEW

Great Minds in STEM™ (GMI5) thanks its sponsors and supporters for helping to convene over **2,200** individuals from throughout the STEM education and workforce sector. GMI5 proudly hosted top executives, senior management, recruiters, college students, faculty and administrators, and middle school and high school students, teachers, and administrators.

As a **non-membership organization**, GMI5 drew a diversity of high caliber STEM students, from a broad array of institutions, including top-ranked *U.S. News & World Report* institutions, Research I Institutions, Minority-Serving Institutions, and 2-year colleges. The HENAAC Conference continues to be a competitive recruiting forum for STEM diversity. This year **108** colleges and universities were represented by students boasting an **average GPA of 3.65**.

Please visit [www.greatmindsinstem.org](http://www.greatmindsinstem.org) for more information, photos and videos about the 26<sup>th</sup> HENAAC Conference.

### PROFESSIONAL SUMMARY

GMI5 hosted an engaged group of **912** professionals, including 46 HENAAC Award winners. GMI5 honored **Grace Lieblein**, Vice President, Global Purchasing and Supply Chain, from **General Motors**, as the **2014 HENAAC Engineer of the Year** and **Sergio Torres, Ph.D.**, Lockheed Martin Fellow, from **Lockheed Martin Corporation**, as the **2014 HENAAC Scientist of the Year**. GMI5 also inducted **Ralph de la Vega**, President and CEO, **AT&T Mobile & Business Solutions**, into the **HENAAC Hall of Fame**.

**Number of Registered Professionals 912**

<b>Representation by Sector</b>	<b>60% Corporate</b>	<b>10% Military</b>	<b>12% Academia (K-20)</b>
	<b>8% Government</b>	<b>7% Non-Profit</b>	<b>3% Other/Guests</b>

**Number of HENAAC Professional Award Winners 47** (30 percent female)

<b>Representation by Sector</b>	<b>55% Corporate</b>	<b>28% Military</b>	<b>2% Academia (K-20)</b>
	<b>15% Government</b>	<b>-- Non-Profit</b>	

### COLLEGE STUDENT SUMMARY

Great Minds in STEM™ continued to showcase and recognize its most technically-talented students through the HENAAC Scholars Program, Protégé Mentorship Program, HENAAC College Bowl™, and Technical Papers and Posters Competition. As a national conference, GMI5 attracted undergraduate students, graduate students, administrators and faculty from

**108** 2-year and 4-year colleges and universities across the United States and Puerto Rico. The institutions included Research I institutions, Hispanic-Serving Institutions, and Historically Black Colleges and Universities.

GMI5 awarded \$456,504 in student travel, registration, scholarships and awards!

In total, GMI5 awarded **\$130,187** in student travel and registration grants. This was in addition to **\$326,317** provided in merit-based scholarships, STEM civic leadership scholarships, and competition awards. This year, GMI5 surpassed \$2.3M in direct scholarship support to over 930 college students, since the inception of the program!

## Colleges and Universities Represented – Conference Wide

Arizona State University	North Carolina State University	University of Central Florida
Binghamton University	Northeastern University	University of Florida
Brigham Young University	Occidental College	University of Houston
California State Polytechnic University, Pomona	Ohio State University	University of Houston - Clear Lake
California State Polytechnic University, San Luis Obispo	Oklahoma State University	University of Houston - Downtown
California State University, Fresno	Palm Beach State College	University of Illinois at Chicago
California State University, Long Beach	Pasadena City College	University of Illinois at Urbana-Champaign
California State University, Los Angeles	Polytechnic University of Puerto Rico	University of Kansas
California State University, Northridge	Purdue University	University of Louisiana at Lafayette
Catawba Valley Community College	Rice University	University of Maryland, Baltimore
College of the Canyons	Rutgers University	University of Michigan
College of the Desert	Sam Houston State University	University of Nevada, Reno
Delgado Community College	San Antonio College	University of New Mexico
Drexel University	San Diego State University	University of New Orleans
East Los Angeles College	San Francisco State University	University of Oklahoma
El Camino College	Santa Ana College	University of Pennsylvania
Embry-Riddle Aeronautical University	Southeastern Louisiana University	University of Puerto Rico at Mayaguez
Fairleigh Dickinson University	Southern Methodist University	University of Puerto Rico at Rio Piedras
Fayetteville State University	St. Mary's University	University of South Florida
Florida Atlantic University	Stanford University	University of Southern California
Florida Institute of Technology	Texas A&M University	University of Tennessee - Knoxville
Florida International University	Texas A&M University - Kingsville	University of Texas - Pan American
Georgia Institute of Technology	Texas Southern University	University of Texas at Arlington
Harvard Business School	The Pennsylvania State University	University of Texas at Austin
Illinois Institute of Technology	The University of Texas at Tyler	University of Texas at Brownsville
Iowa State University	Tulane University	University of Texas at El Paso
Jackson State University	U.S. Coast Guard Academy	University of Texas at San Antonio
Lamar University	U.S. Military Academy	University of Wisconsin - Madison
Louisiana State University	U.S. Naval Academy	Valencia College
Mercer University	Universidad del Sagrado Corazon	Virginia Commonwealth University
Miami Dade College - Hialeah Campus	Universidad Interamericana de Puerto Rico	Virginia Military Institute
Mount St. Mary's College	University of California, Irvine	Virginia Polytechnic Institute and State University
New Jersey Institute of Technology	University of California, Los Angeles	Washington State University Tri-Cities
New Mexico Institute of Mining and Technology	University of California, Merced	Washington University in St. Louis
New Mexico State University	University of California, Riverside	Whittier College
	University of California, San Diego	Xavier University of Louisiana
	University of California, Santa Barbara	

**Number of Registered College Students**    **832**                      **Average GPA<sup>†</sup>:**    **3.65**

### Gender

**37%**    **Female**  
**63%**    **Male**

### Institutional Type

**3%**    **2-yr Public**  
**6%**    **4-yr Private**  
**91%**    **4-yr Public**

**48%**    **Hispanic-Serving Institutions**  
**5%**    **Historically Black Colleges and Universities**

### Classification

**3%**    **Doctoral**  
**8%**    **Masters**  
**35%**    **Seniors**  
**23%**    **Juniors**  
**11%**    **Sophomores**  
**4%**    **Freshmen**  
**16%**    **No Response**

### Top Ten Majors

**29%**    **Mechanical Eng.**  
**11%**    **Electrical Eng.**  
**8%**    **Industrial Eng.**  
**6%**    **Computer Eng.**  
**6%**    **Computer Sci./IT**  
**5%**    **Chemical Eng.**  
**4%**    **Civil Eng.**  
**3%**    **Aerospace Eng.**  
**3%**    **Biology**  
**3%**    **Biomedical Eng.**

<sup>†</sup> Based on self-reported information

## HENAAC Scholars Program

The HENAAC Scholars Program offers both merit-based academic scholarships and STEM Civic Leadership Scholarships.

<b>Number Awarded</b>	<b>108</b>	<b>Gender</b>		<b>Classification</b>	
		46%	Female	11%	Graduate Students
<b>Total Awarded</b>	<b>\$ 314,517</b>	54%	Male	33%	Seniors
				21%	Juniors
<b>Average GPA</b>	<b>3.62</b>			9%	Sophomores
				26%	Freshmen

## HENAAC College Bowl™ XV – Theme: “World Cup Soccer”

The 2014 HENAAC College Bowl™ was sponsored by NASA, for the 15<sup>th</sup> consecutive year. The winning team was **The Boeing Company – 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 **Sandra Martinez** from **The Boeing Company – Alpha** team.

<b>Number of Students Registered/Waitlisted</b>	<b>383</b>	<b>Gender (Students)</b>		<b>Classification</b>	
		30%	Female	3%	Graduate Students
<b>Number of Coaches</b>	<b>48</b>	70%	Male	43%	Seniors
				28%	Juniors
<b>Number of Teams</b>	<b>24</b>	<b>Number of Student Awards</b>	<b>27</b>	20%	Sophomores
		<b>Special Recognition Awards</b>	<b>9</b>	6%	Freshmen

## Protégé Mentorship Program

The **2014 Outstanding Mentor** was **Marissa Suarez** of **The Walt Disney Company**. The **2014 Outstanding Protégé** was **Andrew Trucks** from the **University of Central Florida**.

<b>Number of Protégés</b>	<b>106</b>	<b>Gender (Students)</b>		<b>Classification</b>	
		28%	Female	19%	Graduate Students
<b>Number of Mentors</b>	<b>73</b>	72%	Male	57%	Seniors
				20%	Juniors
				4%	Sophomores

## Technical Papers & Posters Competition

<b>Number of Presenters</b>	<b>50</b>	<b>Gender</b>		<b>Classification</b>	
		38%	Female	32%	Graduate Students
		62%	Male	34%	Seniors
				16%	Juniors
		<b>Number of Student Awards</b>	<b>9</b>	18%	Sophomores
				-	Freshmen

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

### College Students

<b>Total Travel Grants</b>	<b>\$106,717</b>		
<b>Airfare Grants</b>	<b>\$ 63,869</b>	<b># Supported</b>	<b>184</b>
<b>Other Travel Grants</b>	<b>\$ 42,848</b>	<b># Supported</b>	<b>291</b>
<b>Total Registration Grants</b>	<b>\$ 23,470</b>	<b># Supported</b>	<b>342</b>

### K-12 Students and Educators

<b>Total Travel Grants</b>	<b>\$ 19,750</b>	<b># Supported</b>	<b>446</b>
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## CAREER AND GRADUATE FAIR

Thanks to our lead conference host sponsors – Lockheed Martin Corporation, The Boeing Company, Northrop Grumman Corporation, and Hyatt Regency New Orleans - and our Academic Hosts – Tulane University, The University of New Orleans, and Louisiana State University – for helping GMiS bring together an opportunistic conference for our underserved students and our STEM recruiters.

<b>Est. Number of Participants</b>	<b>1,300</b>	<b>Number of Booths</b>	<b>65</b>
<b>Booth Representation by Sector</b>	<b>37% Corporate</b> <b>15% Government</b>	<b>14% Military</b> <b>12% Non-Profit</b>	<b>22% Universities</b>

## K-12 EDUCATION SUMMARY

For the fifth consecutive year, GMiS held its National K-12 Educators Institute, a professional development program, hosting teachers from four states – California, Louisiana, Maryland, and Texas – and Washington DC. Thanks to the sponsorship of Northrop Grumman Corporation, U.S. Army, and U.S. Department of Defense, and support from the U.S. Patent and Trademark Office. For the third year, a Viva Technology™ Program was held at the HENAAC Conference for local middle school students, thanks to the sponsorship from Shell Oil Company. The Viva Technology™ Program for high school students was sponsored by the U.S. Army with support from the Office of Education at the U.S. Patent and Trademark Office.

**GMiS hosted 489 K-12 students, teachers and administrators!**

### K-12 Educators Institute Participants 51

#### Gender

**69% Female**  
**31% Male**

#### Type

**37% Administrators**  
**16% HS Teachers**  
**27% MS Teachers**  
**20% ES Teachers**

### Viva Technology™ – High School

**No. of Students 129**

**No. of Teachers 12**

**No. of Schools 3**

Eleanor McMain Secondary High School (New Orleans)

McDonogh 35 College Preparatory High School (New Orleans)

Warren Easton Charter High School (New Orleans)

### Viva Technology™ – Middle School

**No. of Students 272**

**No. of Teachers 25**

**No. of Schools 6**

Gretna Middle School (Gretna, LA)

John Q. Adams Middle School (Metairie, LA)

L.H. Marrero Middle School (Marrero, LA)

Livaudais Middle School (Terrytown, LA)

L.W. Ruppel Academy for Advanced Studies (Gretna, LA)

T.H. Harris Middle School (Metairie, LA)

## ADDITIONAL INFORMATION

**Conference Sponsorship** - Bertha Haro, M.P.A., Director of Development – [bharo@greatmindsinstem.org](mailto:bharo@greatmindsinstem.org)

**Professional Programs** – Monica Villafaña, Esq., Director of Professional Programs - [mvillafana@greatmindsinstem.org](mailto:mvillafana@greatmindsinstem.org)

**University Programs** – Gary Cruz, Ph.D., Sr. Manager of University Programs - [gcruz@greatmindsinstem.org](mailto:gcruz@greatmindsinstem.org)

**K-12 Programs** – Lupe Muñoz-Alvarado, M.A., Director of Education Programs - [lmalvarado@greatmindsinstem.org](mailto:lmalvarado@greatmindsinstem.org)

**Save The Date**  
**27<sup>th</sup> HENAAC Conference**  
**October 14 – 18, 2015**  
**Pasadena, CA**