In support of its vision to keep America technologically strong and its national footprint, Great Minds in STEM (GMiS) welcomed the opportunity to host its national conference in Florida and strengthen its relationship with its East Coast partners. After four successful years in Southern California that culminated in the 30th Anniversary of the organization, GMiS held its 2019 GMiS Conference at Disney’s Coronado Springs Resort, in Lake Buena Vista, FL, from September 25-29, 2019.

As the national diversity lens continues to be a priority and inclusion becomes a critical component of its definition, GMiS embarked on the broadening of its own mission by continuing its support of Hispanic students and professionals and increasing its engagement with the underserved and underrepresented community. This broadened emphasis led to GMiS rebranding its national conference and promotion of its theme, “A Bridge to Tomorrow.”

Intentionality in the recruitment of the student attendees was key to the success of the Conference and led to an exceptional number of offers for internships and full-time employment. Participants were recruited from a diverse range of higher education institutions across the country. Students attending the Conference served in key roles, including GMiS Scholars, Research Poster Competition presenters, GMiS Viva Technology College Captains, CAHSI participants, Cadet Honorees, GMiS Delegates and Academic Hosts and Partners representatives.

The success of the GMiS Conference could not have been accomplished without the key support from the conference Host Sponsors – Lockheed Martin Corporation, Shell Oil Company, and Disney’s Parks, Experiences and Products; Academic Hosts - the University of Central Florida, Florida International University and CAHSI – Computing Alliance of Hispanic-Serving Institutions.

This year GMiS celebrated the 20th Anniversary of the GMiS College Bowl, 10th Anniversary of the Research Poster Competition, and the 15th Anniversary of Cadet Awards.

Percent Total Conference Distribution

- Pre-College Students, 11%
- Undergraduate Students, 33%
- Graduate Students, 6%
- K-20 Educators, 6%
- Professionals, 42%
- Other, 2%

Information current as of 10/21/19
GMiS is proud to showcase the 2019 Class of GMiS Delegates! These 31 students, many of which served as GMiS Viva Technology College Captains, were selected based on their academics, leadership and service within the underserved communities. GMiS Delegates were provided customer service training and exclusive networking opportunities, hosted seminars, led pre-college sessions, and supported GMiS in delivering quality service to attendees.
Distribution of Self-Reported GPAs

Top Five STEM Disciplines Represented


Student Attendance by Institutional Type

85.9% 4-Yr, Public 9.3% 4-Yr, Private 4.8% 2-Yr, Public
80.3% Hispanic-Serving Institutions

148 Colleges and Universities Represented – Conference Wide

Arizona State University Butte College California Institute of Technology California State Polytechnic University, Pomona California State Polytechnic University, San Luis Obispo California State University, Bakersfield California State University, Dominguez Hills California State University, Fresno California State University, Fullerton California State University, Long Beach California State University, Los Angeles California State University, Northridge California State University, Sacramento California State University, Stanislaus Carnegie Mellon University Chandler Gilbert Community College Colorado School of Mines Columbia University Connecticut College Cornell University East Los Angeles College Embry-Riddle Aeronautical University Florida A&M University Florida Atlantic University Florida Gulf Coast University Florida Institute of Technology Florida International University Florida State University Florida Technical College George Mason University Georgia Institute of Technology Georgia Southern University Harvard University Holy Family University Howard University Illinois Institute of Technology Indiana University - Purdue University Indianapolis Inter American University of Puerto Rico Inter American University of Puerto Rico - Bayamon Iowa State University Ivy Tech Community College Jackson State University Kean University Keck Graduate Institute of Applied Life Sciences Laredo Community College Los Angeles City College Louisiana State University Loyola Marymount University Loyola Marymount University Merced Community College Miami Dade College - North Campus Michigan Technological University Morgan State University Mt. San Antonio College New Jersey Institute of Technology New Mexico Institute of Mining and Technology New Mexico State University New York University North Carolina Agricultural and Technical State University
Northeastern Illinois University
Oxnard College
Paradise Valley Community College
Pasadena City College
Phoenix College
Polytechnic University of Puerto Rico
Prairie View A&M University
Purdue University
Rensselaer Polytechnic Institute
Rice University
Rio Hondo College
Rush University Medical Center
Rutgers University
San Diego State University
San Francisco State University
San Jose State University
Santa Ana College
South Mountain Community College
St. Mary’s University
Stanford University
Stevens Institute of Technology
Texas A&M International University
Texas A&M University
Texas A&M University - Corpus Christi
Texas A&M University - Kingsville
Texas Christian University
Texas Southern University
Texas State University
Texas Tech University
The Pennsylvania State University
Tidewater Community College
Tufts University
Tulane University
U.S. Air Force Academy
U.S. Coast Guard Academy
U.S. Military Academy
U.S. Naval Academy
Universidad Ana G. Méndez - Gurabo
University of Arizona
University of California, Berkeley
University of California, Irvine
University of California, Los Angeles
University of California, Merced
University of California, Riverside
University of California, San Diego
University of California, Santa Barbara
University of California, Santa Cruz
University of Central Florida
University of Colorado Boulder
University of Denver
University of Florida
University of Houston
University of Houston - Clear Lake
University of Houston - Downtown
University of Illinois at Chicago
University of Indianapolis
University of Louisiana at Lafayette
University of Maryland, Baltimore County
University of Maryland, College Park
University of Mississippi
University of Missouri Columbia
University of Nebraska – Lincoln
University of New Mexico
University of New Orleans
University of North Texas
University of Notre Dame
University of Pittsburgh
University of Puerto Rico at Arecibo
University of Puerto Rico at Bayamon
University of Puerto Rico at Mayaguez
University of Puerto Rico at Rio Piedras
University of Redlands
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
University of Virginia
University of Washington
University of West Florida
University of Wisconsin - Madison
Valencia College
Virginia Polytechnic Institute and State University
Western New England University

**COMPETITIONS**

**GMiS College Bowl™ XX**

The 2019 GMiS College Bowl™ was sponsored by NASA, for the 20th consecutive year. The competition theme was “Mission to Mars.” The winning teams were Northrop Grumman One (First Place), IBM (Second Place), Army CCDC (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 Jose Corpuz of the Disney Parks, Experiences and Products – Team Magic team.

<table>
<thead>
<tr>
<th>Students Registered &amp; Waitlisted: 253</th>
<th>Number of Coaches/Judges: 66</th>
<th>No. of Student Awards: 20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Teams/Students: 22 (160)</td>
<td>Special Recognition Awards: 8</td>
<td></td>
</tr>
</tbody>
</table>

**10th Annual Research Poster Competition**

**Sponsors:** The Boeing Company and U.S. Air Force Research Laboratory

- **No. of Submissions:** 132
- **No. of Posters:** 68
- **No. of Awards:** 14

**CAHSI Hackathon**

**Sponsors:** Lockheed Martin Corp., Chevron, CIA, and JP Morgan Chase & Co.

- **Students Registered & Waitlisted:** 183
- **No. of Awards:** 18
- **Winning Team(s):** Novice: Static Variables (1st), 15i4ND3R5 (2nd), and Desu Bois_UWU (3rd)
- **Expert:** NMSUknowIT (1st), Mining Lobos (2nd), and PandaHat (3rd)

Information current as of 10/21/19
GMiS STEM SCHOLARS

GMiS received over 1,400 applications for the GMiS STEM Scholarships, which offers both merit-based academic scholarships and STEM Civic Leadership Scholarships, that are presented at the GMiS Conference. GMiS subsidizes over $900 in conference travel, lodging and registration per Scholar.

Number of GMiS STEM Scholarships 102  
Total Awarded $321,771

Average GPA 3.68

Classification  
Graduate Students 16%  
Sophomores 16%  
Seniors 27%  
Freshmen 12%  
Juniors 29%  
Gender  
54% Male  
46% Female

The GMiS STEM Scholars are part of the newly expanded GMIS SCHOLARSHIP PROGRAM which now offers year-round scholarships including the following three opportunities.

Artemio. G. Navarro Scholarships For eligible graduating seniors attending Bishop Mora Salesian High School in Los Angeles.

California Medical Scholarships For eligible underrepresented students pursuing a medical profession in one of four California medical schools.

California Health Scholarships For eligible undergraduate students pursuing a health-related discipline at a four-year institution in California.

Additional data, information and sponsorship on the overall GMIS SCHOLARSHIP PROGRAM is available from GMiS.

TRAVEL & REGISTRATION GRANTS

In its mission to support students’ success in gainful STEM employment, GMiS invested over $177,000 in various travel and registration grants to graduate and undergraduate students including GMiS Delegates, GMiS Scholars, GMiS College Captains, ASSIST Grantees, Research Poster Presenters, Cadet Honorees, and students from partner institutions. Travel support included airfare, charter buses, and mileage. Registration grants ranged from partial to full registration support.

<table>
<thead>
<tr>
<th>Registration Grants</th>
<th>Travel Grants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number Supported</td>
<td>Number Supported</td>
</tr>
</tbody>
</table>
Total Awarded $93,730 | Total Awarded $83,516 |
| 299                 | 359            |

EARLY-CAREER FACULTY SYMPOSIUM

GMiS hosted its fourth Early-Career Faculty Symposium through the support of the National Science Foundation collaborative research project grant (EEC 1548322) - Collaborative Research: ASSIST: Strengthening Engineering Faculty through Diversity-Serving Professional Organization Engagement. 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.

38 Grantees  
53% Current Faculty  
45% MSIs  
29% Female
PROFESSIONAL SUMMARY

The GMiS Conference recruited an engaged group of 1,441 professionals, including 57 HENAAC Award winners. Gregory A. Porpora, CISSP, Distinguished Engineer Advanced Analytics, Cybersecurity & Intelligence, at IBM, was honored as the 2019 HENAAC Engineer of the Year. GMiS honored Dr. Estrella Rogel, Consulting Scientist, Downstream Technology & Service Department at Chevron Energy Technology as the 2019 HENAAC Scientist of the Year.

<table>
<thead>
<tr>
<th>Percent Professional Participants By Sector (n=1,441)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corporate: 53%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Percent HENAAC Award Honorees By Sector (n=57)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(32% Females)</td>
</tr>
<tr>
<td>Corporate: 58%</td>
</tr>
</tbody>
</table>

PRE-COLLEGE PROGRAM

For the 8th year, a Viva Technology™ Program was held at the conference for local middle school and high school students.

Additionally, 13 GMiS Delegates and 61 college students, from across the U.S. volunteered as GMiS College Captains, to mentor the pre-college students through their STEM activities.

VT - High School
Sponsor: Lockheed Martin Corporation
No. of Students: 92
No. of Schools: 1
Colonial High School

VT - Middle School
Sponsor: Shell Oil Company
No. of Students: 247
No. of Schools: 3
Southwest Middle School
Stonewall Jackson Middle School
Discovery Intermediate School

K-12 Educators
Sponsors: Northrop Grumman Foundation
No. of Educators: 29
No. of Chaperones: 17
The K-12 Education Workshop was presented by nCASE.
From September 25 – 29, 2019, GMiS monitored its social media platforms – Twitter, Facebook, SnapChat, and Instagram – to showcase the GMiS Conference. GMiS also monitored news media coverage during the conference time-frame.

<table>
<thead>
<tr>
<th>Platform</th>
<th>#GMIS2019</th>
<th>Twitter</th>
<th>Facebook</th>
<th>Instagram</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tweets</td>
<td>67</td>
<td>3,188</td>
<td>3,097</td>
<td>184</td>
</tr>
<tr>
<td>Followers Pre</td>
<td>15,073</td>
<td>3,734</td>
<td>3,719</td>
<td>213</td>
</tr>
<tr>
<td>Followers Post</td>
<td>15,226</td>
<td>3,765</td>
<td>3,771</td>
<td>219</td>
</tr>
<tr>
<td>Retweets</td>
<td>80</td>
<td>431</td>
<td>827</td>
<td>26</td>
</tr>
<tr>
<td>Favorites</td>
<td>293</td>
<td>327</td>
<td>327</td>
<td>12</td>
</tr>
<tr>
<td>Total Impressions</td>
<td>88,886</td>
<td>29,930</td>
<td>29,307</td>
<td>10,105</td>
</tr>
</tbody>
</table>

News Media | Television National Audience | 149,648 | Online Audience | 288,017

SAVE THE DATES

2020 GMiS CONFERENCE
October 7 – 11, 2020
Disney’s Coronado Springs Resort • Lake Buena Vista, FL

GMiS STEM SCHOLARSHIPS DEADLINE – April 1, 2020
HENAAC AWARDS NOMINATION DEADLINE – May 29, 2020