



"Recharging America with our Youth"



GREAT MINDS IN STEM CONFERENCE REPORT

October 11-14, 2023 • Pasadena, California

www.greatmindsinstem.org

2023 GMIS Conference
 35th Anniversary
 October 11 – 14, 2023
“Recharging America with our Youth”
 Conference Profile

Thank You to Our Sponsors

Host Sponsors



Academic Hosts



CAREER AND GRADUATE SCHOOL FAIR

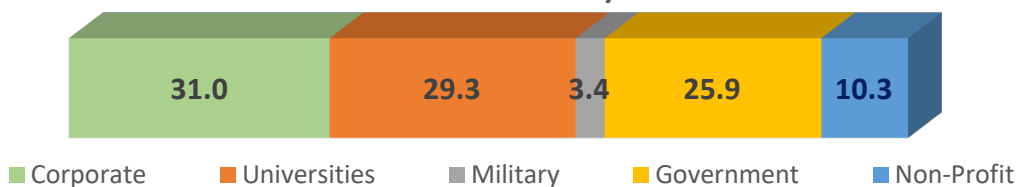
2,580
 Est. Unique
 Participants

58
 Entities Represented

147
 Interview Booths

1:2
 Recruiter: Job
 Seeker Ratio

Percent Exhibitors by Sector



PRE-CONFERENCE ENGAGEMENT

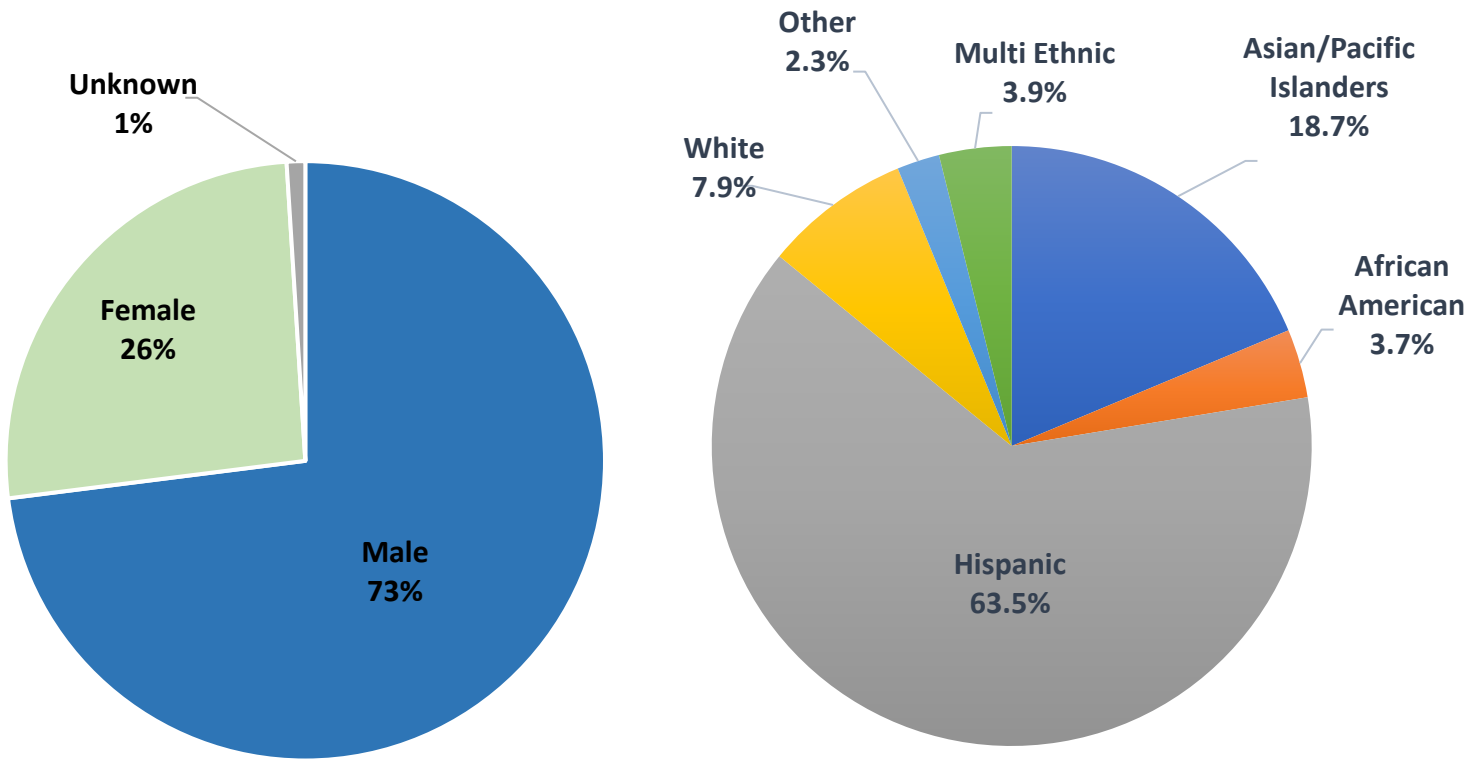


STEM Career Readiness Coaching Sessions

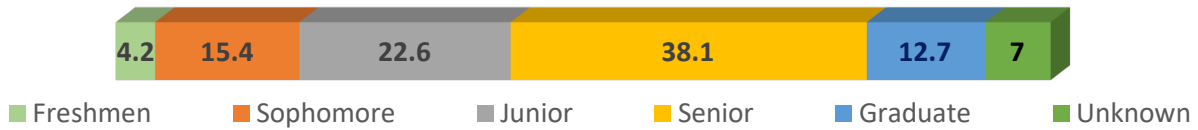
Beginning September 1, 2023, GMIS hosted a series of small-group, focused webinars to prepare students for the conference. These 45-minute sessions provided career mobility strategies, resume reviews, interviewing strategies, curating online footprint, preparing for in-person networking, and how to create your personal brand.

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COLLEGE STUDENTS
 *Based on over 1,500 full-conference registrants

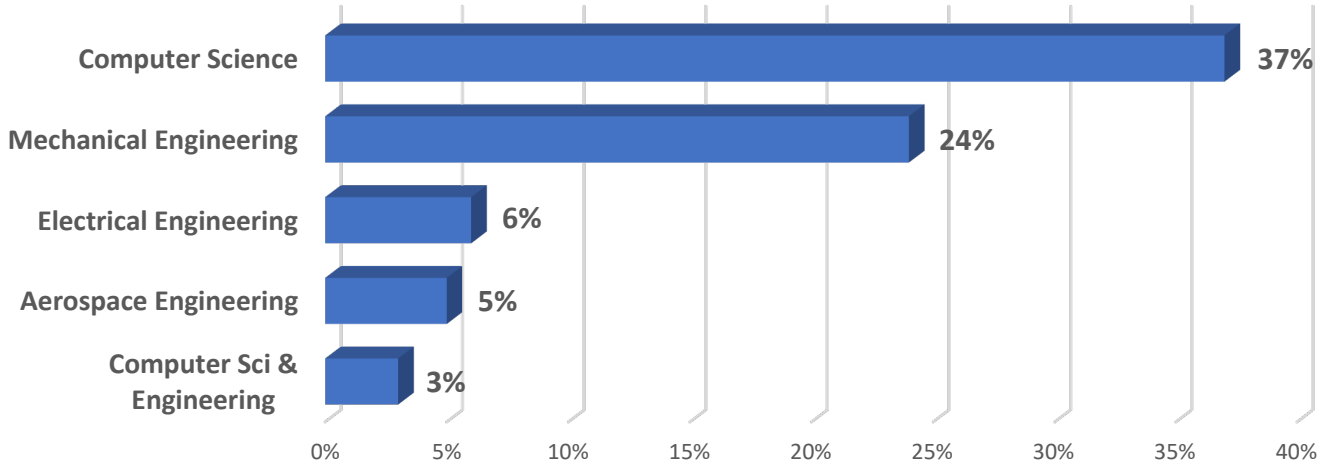


Percent of Students by Classification



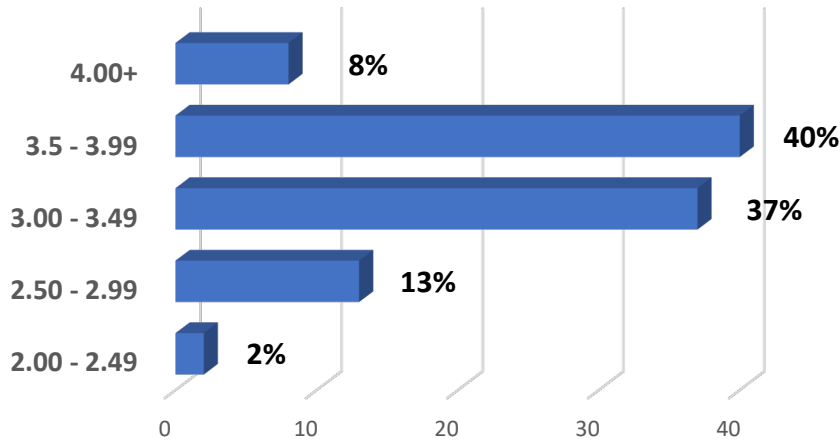
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Top 5 STEM Disciplines Represented



Percent Distribution of Self-Reported GPAs

Average GPA = 3.40



Percent of Students by Institutional Type

81.5% **6.8%** **11.2%** **86.9%**
4-Yr, Public **4-Yr, Private** **2-Yr, Public** **Hispanic-Serving Institutions**

States and Territories Represented by Students

AZ, CA, CO, DC, FL, GA, IA, IL, IN, LA, MA, MD, NC, NJ, NM, NY, PR, SC, TX, VA

73% **11%** **4%**
CA **TX** **NJ**

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127 Colleges and Universities Represented – Conference Wide

Arizona State University	Fairleigh Dickinson University -	Rio Hondo College
Bakersfield College	Florham	Rutgers University
Binghamton University	Florida International University	San Diego State University
Boston University	Fresno City College	San Francisco State University
California Institute of Technology	Georgia Institute of Technology	San Jose State University
California Polytechnic State	Howard University	Santa Ana College
University, San Luis Obispo	Illinois Institute of Technology	Santa Barbara City College
California State Polytechnic	Inter-American University of Puerto	Santa Clara University
University, Pomona	Rico - Bayamon	Santa Monica College
California State University System	Iowa State University	Southern Methodist University
California State University,	Irvine Valley College	Stanford University
Dominguez Hills	Kean University	Texas A&M University
California State University, East Bay	Lee College	Texas A&M University-Corpus Christi
California State University, Fullerton	Long Beach City College	Texas A&M University-Kingsville
California State University, Long	Los Angeles Harbor College	Texas A&M University-San Antonio
Beach	Los Angeles Trade Tech College	Texas Tech University
California State University, Los	Los Angeles Valley College	United States Air Force Academy
Angeles	Loyola Marymount University	University at Buffalo
California State University, Monterey	Manhattan College	University of Arizona
Bay	Massachusetts Institute of	University of California, Berkeley
California State University,	Technology	University of California, Davis
Northridge	Merced College	University of California, Irvine
California State University,	Miami Dade College	University of California, Los Angeles
Sacramento	Midland College	University of California, Merced
California State University, San	MiraCosta College	University of California, Riverside
Bernardino	Modesto Junior College	University of California, San Diego
California State University, San	New Jersey Institute of Technology	University of California, Santa
Marcos	New Mexico Institute of Mining and	Barbara
California State University, Stanislaus	Technology	University of California, Santa Cruz
City College of New York	New Mexico State University	University of Central Florida
College of the Canyons	New York City College of Technology	University of Colorado, Boulder
Colorado School of Mines	New York University	University of Colorado Denver
Colorado Technical University	Norco College	University of Florida
Columbia University	North Carolina Agricultural and	University of Houston
Compton Community College	Technical University	University of Houston-Downtown
Cornell University	North Carolina State University	University of Illinois at Urbana-
De Anza College	Northeastern Illinois university	Champaign
Dillard University	NYU Tandon School of Information	University of Illinois Chicago
East Los Angeles College	Orange Coast College	University of Iowa
El Camino College	Pasadena City College	University of Maryland
El Paso Community College	Pasco-Hernando State College	University of North Texas
Fairleigh Dickinson University	Purdue University	University of Notre Dame

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University of Puerto Rico, Arecibo
 University of Puerto Rico, Mayagüez
 University of Puerto Rico, Rio Piedras
 University of San Diego
 University of South Carolina
 University of South Florida
 University of Southern California

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
 Vaughn College of Aeronautics & Technology

Ventura College
 Virginia Tech
 Wentworth Institute of Technology
 Western Governors University
 Woodbury University

COMPETITIONS

Research Posters Competition




100 Accepted Submissions
14 Competition Awards

CAHSI Hackathon and CyberSecurity


1st Overall – Novice: **The Gathers (NMSU)**
 2nd Overall - Novice: **Tech Titans (UTEP)**
 3rd Overall - Novice: **Pegasus CSUSTAN)**




1st Overall - Advanced: **Dongwan International Airport (NMIT)**
 2nd Overall - Advanced: **Hackoverflow (NMSU)**
 3rd Overall - Advanced: **Pink Pandas – Sirens (UPRM)**



CAHSI Data Analytics




1st Place: **Voss**
 2nd Place: **Minor Gators**
 3rd Place: **Null Pointers**



In its second year, this competition placed students in mini-Integrated product teams to assess a real-life case study, determine the root cause of the problem in the case study, and determine a corrective action.

94 Participants **10** Teams

1st Place: **Army DEVCOM**
 2nd Place: **Boeing Team 2 “Ignite”**
 3rd Place: **Boeing Team 1 “Inspire”**



Over \$9,000 in Competition Awards

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GMiS STEM SCHOLARS

GMiS received over **1,050** completed applications for the GMiS STEM Scholarships, which offers both merit-based academic scholarships and STEM Civic Leadership Scholarships. Scholars were honored at the GMiS Scholars Reception and the Student Leadership Awards Show.

By end of 2023, GMiS will have awarded over **\$5.6 M** to more than **2,100** college students, since 2000.

HENAAC Outstanding Student Leadership Award Honorees



Undergraduate - Engineering
 Devon Woodfine
 Junior In Mechanical Engineering at
 California State Polytechnic
 University, Pomona



Undergraduate - Science
 Diana Morales
 Senior in Applied Mathematics &
 Electrical Engineering at California
 State Polytechnic University, Pomona



Graduate – Engineering
 Jehan Shalabi
 Doctoral Student in Electrical
 Engineering at Purdue University

Number of GMiS STEM Scholarships **88** **Total Awarded** **\$ 190,608**

Average GPA **3.60**

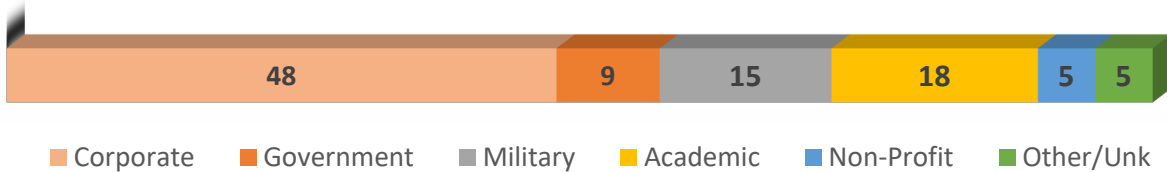
Classification	19%	Graduate Students	9%	Sophomores	Gender	61%	Male
	36%	Seniors	8%	Freshmen		39%	Female
	27%	Juniors					



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PROFESSIONALS

Percent Professionals By Sector (n=940)

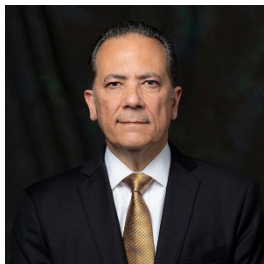


2023 HENAAC Award Winners



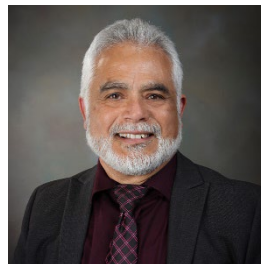
The HENAAC Awards were created in 1989 to honor the world-class achievements of outstanding Hispanic engineers, scientists, and STEM professionals. As a true peer-review distinction, a HENAAC Award designates the honoree as among the best and brightest in their field and meet the highest standards of excellence that the 35-year legacy of the awards have come to represent. Luminaries are chosen for their achievements leading, collaborating, and initiating key programs and research in their respective fields. STEM Hero honorees, who excel in their STEM fields, are selected from the pool of civilian and uniformed military personnel at agencies, labs and branches that report to the Department of Defense.

2023 HENAAC Engineer of the Year



Alfredo Ramirez
 Engineering Vice President,
 Vehicle Development
 Aeronautics Systems Sector
 Northrop Grumman
 Corporation

2023 HENAAC Scientist of the Year



Sal Barboza Rodriguez, II, Ph.D.
 Principal Member of the Technical
 Staff
 Advanced Nuclear Concepts Group
 Sandia National Laboratories

Percent HENAAC Award Honorees By Sector (n=42)
 (45% Female)



22 HENAAC Award Honorees, 7 STEM Heroes, 13 Luminaries

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PRE-COLLEGE

GMiS hosted **165** pre-college students, teachers and administrators! **27** college students supported as GMiS College Captains.

The Viva Technology Program was held at the conference for local middle school and high school students. Middle school students engaged in building a rover. High school students learned the fundamentals of satellites.

Additionally, **27** 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: **The Boeing Company**
No. of Students: **50**
No. of Schools: **2**
Marshall Fundamental Secondary School
Rose City High School

VT - Middle School
Sponsor: **Shell USA, Inc.**
No. of Students: **80**
No. of Schools: **1**
South Gate Middle School

K-12 Educators
Sponsors: **Northrop Grumman Foundation**
No. of Educators: **22**
No. of Guest: **13**
Impact: The total students served by the Educators is **9,100**.

On behalf of the entire GMiS Team, thank you for being with us at the 35TH Anniversary GMiS Conference! Please continue to visit our GMiS Conference Website - www.greatmindsinstem.org - to access the on-demand webinars, award shows, GMiS STEM Scholars, and Research Poster Exhibit Hall for the next several months.

SAVE THE DATES
2024 GMiS CONFERENCE
November 6 – 9, 2024
FORT WORTH, TX



GMiS STEM SCHOLARSHIPS DEADLINE – April 30, 2024
HENAAC AWARDS NOMINATION DEADLINE – May 26, 2024