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

- Corporate 31.0
- Universities 29.3
- Military 3.4
- Government 25.9
- Non-Profit 10.3

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

- Male: 73%
- Female: 26%
- Unknown: 1%

- Hispanic: 63.5%
- Asian/Pacific Islanders: 18.7%
- African American: 3.7%
- White: 7.9%
- Other: 2.3%
- Multi Ethnic: 3.9%

- Freshmen: 4.2%
- Sophomore: 15.4%
- Junior: 22.6%
- Senior: 38.1%
- Graduate: 12.7%
- Unknown: 7%
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Top 5 STEM Disciplines Represented

- Computer Science: 37%
- Mechanical Engineering: 24%
- Electrical Engineering: 6%
- Aerospace Engineering: 5%
- Computer Sci & Engineering: 3%

Percent Distribution of Self-Reported GPAs

- Average GPA = 3.40

Percent of Students by Institutional Type

- 81.5% 4-Yr, Public
- 6.8% 4-Yr, Private
- 11.2% 2-Yr, Public
- 86.9% 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% CA
- 11% TX
- 4% NJ
127 Colleges and Universities Represented – Conference Wide

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

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)

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
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  Graduate Students  Sophomores  Gender  Male
19% Seniors 61% 39%
36% Juniors 8% Female
27%
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
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.

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](http://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