

Make a Donation

Welcome to the SAMPE Foundation's Newsletter

MISSION STATEMENT



In 2006, the Society for the Advancement of Material and Process Engineering (SAMPE) established its philanthropic arm, the [SAMPE Foundation](#). The foundation's mission is to instill an interest and passion for advanced material and process engineering in the next generation of leaders. In order to realize this vision, the foundation promotes education and innovation in the fields of materials and processes on a global basis, particularly at the kindergarten through the 12th-grade level. The foundation provides grants to stimulate an interest in and provide access to the resources required for future technological growth in science, technology, engineering and math (STEM).

Thank You Notes

School Background Pacific Lutheran Jr./Sr. High School in Gardena, CA is a Christ-centered, college-preparatory fully accredited school serving students in the greater Los Angeles area. The school serves many students from socio-economically disadvantaged backgrounds, with approximately 25% of its students receiving significant scholarship funding

The funding is used for the Math Intervention Program helps to remediate student deficiencies in mathematics due to poor math education in previous school years and to help students maximize their God-given abilities in mathematics.

The SAMPE Foundation received a thank you note from the Head of School that was also signed by the students that were part of the SAMPE Foundation-funded program.

What the SAMPE Foundation does MATTERS.



AWARD PROGRAMS

The SAMPE Foundation has a two-pronged approach to supporting K-12 STEM education. The first approach is by supporting educators in the STEM field, via the [William Dahlgren Teacher of Excellence Award](#). The second approach involves providing direct support to worthwhile STEM programs around the world, via our [Special Grant Awards Program](#).

William Dahlgren Teacher of Excellence Award

This Fall the SAMPE Foundation approved five Dahlgren Awards to teachers:

- David Humphries
- Jon Hidalgo
- Keith Bernhard
- Anthony "Nino" Polizzi
- Teresa Hislop

Special Grant Awards Program

As a part of the SAMPE Foundation's outreach efforts, the board is now accepting grant proposals for programs and projects that will positively impact K - 12 STEM-related learning around the world. These grants are carefully reviewed by the foundation's board, with the primary goal of understanding the clear benefits of the proposed STEM program.

This year, the Foundation awarded three grants:

- Girls Academic Leadership Academy (GALA) \$1,000
- STEM Teachers of New York City \$10,000
- Worcester Polytechnic Institute \$3,150

See below for details on each recipient:

GALA

Girls Academic Leadership Academy (GALA) was founded by Dr. Elizabeth Hicks, the lead writer on the GALA school design, which was unanimously approved by the LAUSD Board of Education. She fought to bring an all-girls public-school model to LAUSD for over 3 years and her passion for providing a world class STEM education for girls led her to the creation of GALA. The Funding will be used for the purchase of computers for the integrated music/STEM program.

STEM Teachers NYC

Established in 2011, STEM Teachers NYC has built a highly innovative organization which continues to blaze a trail for teacher-led professional development and for an integrated model of teacher-leader growth. They have become a well-known leader in New York City and the Tri-State area, as an organization that teachers, principals and administrators turn to for high-quality professional development in the sciences, engineering, and applied math, and one in which funders concerned with STEM education invest. The result was 12 strong, interactive Summer STEM Institute workshops in July and August, which attracted 181 attendees, 81 of whom teach in Title I schools. This program was supported via a SAMPE Foundation Grant Funding. This is the second year that the Foundation will be funding this program.

Worcester Polytechnic Institute

WPI provides K-12 STEM programming with an emphasis on broadening access and increasing interest among groups historically underrepresented in STEM. WPI-POP provides high-quality STEM programming to youth and their families consisting of collaborative, enrichment experiences that inspire exploration and discovery while establishing a pathway into STEM disciplines. Some of the WPI POP Office is programming specifically aimed toward girls and where possible, girls of color who commonly experience a "double bind" in STEM, as they are often marginalized in two of their identities. Gender and racial diversity in STEM naturally bring broader perspectives and values to scientific practice and technology development, resulting in greater innovation in our society. This will be the second year that the Foundation will grant funding for this program.

BOARD MEMBER PROFILE

John Moylan

SAMPE Foundation Treasurer

John Moylan is a senior expert in the testing of polymer based composite materials for the global aerospace sector. He is a long-standing and highly-active member of multiple committees within his field and is highly regarded as a 30-year expert in polymers-based composite materials.



He joined Delsen Testing Laboratories in 1980 as a lab technician and has served as President since 1991, prior to DT's acquisition by Element, focusing on the most critical testing needs of its global clients.

John has a B.S. in Chemistry from Bowling Green State University and an MBA from the University of Southern California. John's most recent work includes the coordination of design allowables and qualification testing programs for aircraft clients including Northrop on the B-2, Lockheed on the F22 and F35 and the Boeing 787. John is highly regarded for his work on standardization and test methods. He is recognized for his help in the development of the SACMA series of test standards and played an active role with the FAA Fire Test Handbook. John is currently the co-chair of the CMH-17 testing working group and an active member of ASTM D30 and various IPC committees.

He has been an active member of SAMPE North America and serves on the SAMPE Foundation board, which works to enhance science and engineering education in schools across the country. John has been a board member of the Foundation since its beginning in 2016, as its secretary and then assuming the duties of treasurer. Additionally, John is a voting member of the NADCAP Non-Metallics Material Testing committee and has previously served as a member of the Electronic Components Certification Board.

GET INVOLVED

How You Can Help — Get Involved or Donate

You can help STEM Programs by donating to the [SAMPE Foundation](#). The Foundation is a 501.3c tax exempt organization. Help our mission for STEM Education.

Donate

Contact Us

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