

# sampe

The Society for the Advancement of Material and Process Engineering

## Student Programs and Competitions

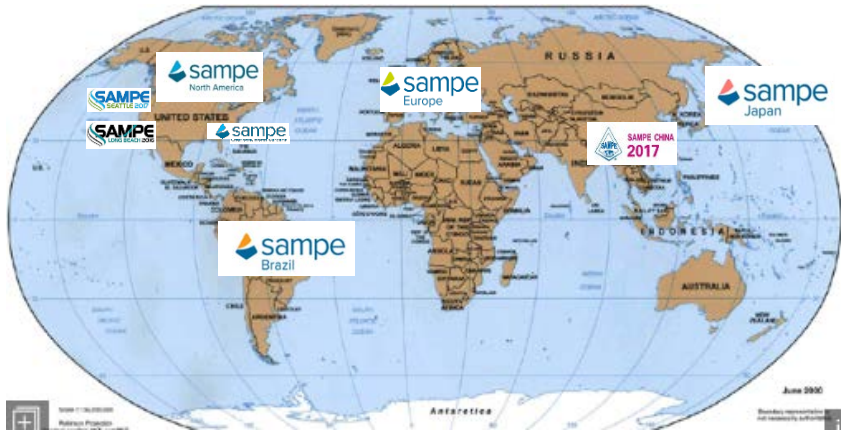
National Academy of Engineers

December 6, 2018

Karin Anderson, SAMPE NA President

# SAMPE

Not-for-Profit Technical Society  
focused on educational needs  
related to Advanced Materials and  
Process Engineering



SAMPE has both professional and  
student members throughout the world

Our Student Programs and Competitions  
provide leadership development,  
academic research visibility, and  
networking opportunities



Aligning our students, faculty  
and industrial partners goals  
and educational needs

# Leadership Development



## Student Chapter Leadership roles

62 Active Student Chapters throughout North America

Each Chapter has peer elected Student Leadership opportunities (Chapter President, VP, etc)

Practicing leadership prepares students for future academic or industry roles

## Leadership Experience Program

For students that have demonstrated leadership at their University or College

Honored as future leaders at a SAMPE Conference and participate with peers and industry in various SAMPE activities

Exposes these future leaders to potential employers and potential work environments

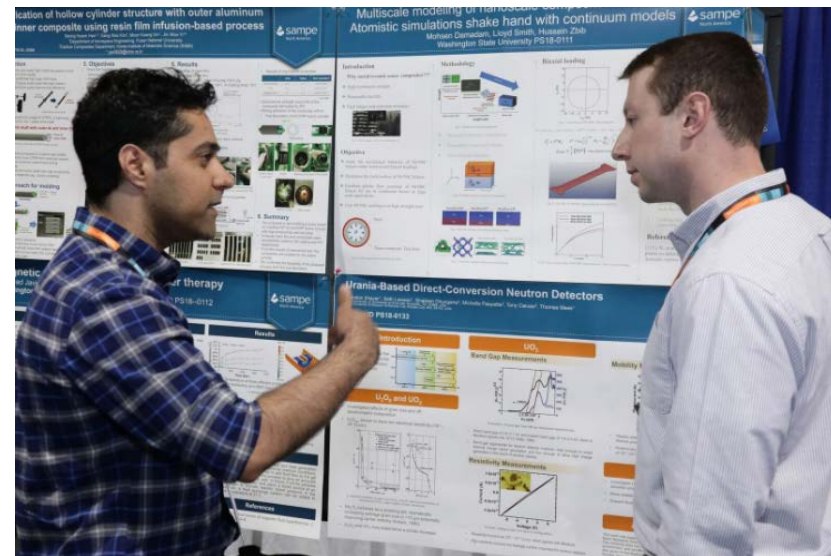


# Academic Research Visibility

- ▶ University Research Symposium and Poster Competitions



Two formats to publish, display and present academic research to peers, faculty members and industry



Allows all parties to engage and remain aware of research and technology advancements

Speaking Opportunities develop Students for future employment and leadership roles

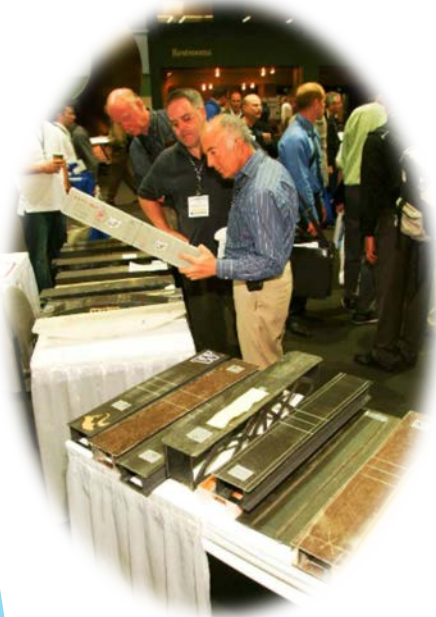
# Networking Opportunities



Faculty Advisors Annual Meeting and Student Reception offer **peer to peer, campus to campus collaboration**



Conference Scholarships **connect local students with local and national industry**



Bridge Competition and Additive Manufacturing Competitions **connect students to supply chain, industry and peers through hands on activities**



# SAMPE Foundation STEM Programs

Teach the Teacher Workshop to train educators how to teach the fundamentals of composite materials



Recognition Awards for teachers inspiring STEM

MIT Women's Initiative Program supporting MIT students to inspire female middle and high school students



All Programs connect industry and academia to support advanced materials STEM education and educators

Offer Grants to support new STEM initiatives



# Summary

- ▶ Wide variety of student programs and competitions to engage students, faculty and industry
- ▶ Educational and development opportunities to align academia with the needs of industry
- ▶ Additional information available at <https://www.nasampe.org/page/students> and <https://www.sampefoundation.org/programs>