

**Johns Hopkins University - Department of Mechanical Engineering - Competition Opportunities for MechE Students**

**Updated September 3, 2024**

Organization	Event	Student Competition/Session	Event Type	Link
American Institute of Aeronautics and Astronautics (AIAA)	Design, Build, Fly Competition	Design, Build, Fly Competition	Design Competition	<a href="https://www.aiaa.org/dbf/competition-information/schedule">https://www.aiaa.org/dbf/competition-information/schedule</a>
	N/A	Undergraduate Team Aircraft Design Competition	Design Competition	<a href="http://www.aiaa.org/DesignCompetitions/">http://www.aiaa.org/DesignCompetitions/</a>
	N/A	Graduate Team Aircraft Design Competition	Design Competition	<a href="http://www.aiaa.org/DesignCompetitions/">http://www.aiaa.org/DesignCompetitions/</a>
	N/A	Undergraduate Team Space Design Competition	Design Competition	<a href="http://www.aiaa.org/DesignCompetitions/">http://www.aiaa.org/DesignCompetitions/</a>
	N/A	Undergraduate Team Engine Design Competition	Design Competition	<a href="http://www.aiaa.org/DesignCompetitions/">http://www.aiaa.org/DesignCompetitions/</a>
	N/A	Graduate Team Missile System Design Competition	Design Competition	<a href="http://www.aiaa.org/DesignCompetitions/">http://www.aiaa.org/DesignCompetitions/</a>
American National Standards Institute (ANSI)	N/A	ANSI Student Paper Competition	Paper	<a href="https://ansi.org/education/activities/paper-competition">https://ansi.org/education/activities/paper-competition</a>
American Society of Mechanical Engineerings (ASME)	E-Fests	Various competitions	Design Competition	<a href="https://efests.asme.org/competitions">https://efests.asme.org/competitions</a>
	Turbomachinery Technical Conference and Expo (TURBO)	Student Poster Session	Poster	<a href="https://event.asme.org/Turbo-Expo">https://event.asme.org/Turbo-Expo</a>
	International Design Engineering Technology Conference and Computation and Information in Engineering Conference	Student Design Essay Competition	Paper	<a href="https://event.asme.org/IDETC-CIE/Program/NSF-ASME-Student-Design-Essay-Competition">https://event.asme.org/IDETC-CIE/Program/NSF-ASME-Student-Design-Essay-Competition</a>
	International Mechanical Engineering Congress and Exposition	Various competitions	Conference	<a href="https://event.asme.org/IMECE/Students/Student-Competitions-at-IMECE">https://event.asme.org/IMECE/Students/Student-Competitions-at-IMECE</a>
ASC & FSGP	N/A	American Solar Challenge	Design Competition	<a href="http://americansolarchallenge.org/">http://americansolarchallenge.org/</a>
U.S. Department of Energy	N/A	Solar Decathlon (Design and Build challenge)	Design Competition	<a href="https://www.solardecathlon.gov/blog/archives/6412">https://www.solardecathlon.gov/blog/archives/6412</a>
	N/A	Collegiate Wind Competition	Design Competition	<a href="https://energy.gov/eere/collegiatewindcompetition/collegiate-wind-competition">https://energy.gov/eere/collegiatewindcompetition/collegiate-wind-competition</a>
U.S. Environmental Protection Agency (EPA)	N/A	People, Prosperity, and the Planet (P3) Student Design Competition	Design Competition	<a href="https://www.epa.gov/P3">https://www.epa.gov/P3</a>
Institute of Electrical and Electronics Engineers (IEEE)	IEEEXtreme Programming	IEEEXtreme Programming Competition	Design Competition	<a href="http://ieeextreme.org">http://ieeextreme.org</a>
	N/A	International Future Energy Challenge	Design Competition	<a href="http://energychallenge.weebly.com/ifec-2022.html">http://energychallenge.weebly.com/ifec-2022.html</a>
Solar Splash	Solar Splash World Championship of Collegiate Solar Boating	Solar Splash	Design Competition	<a href="http://solarsplash.com/">http://solarsplash.com/</a>
National Aeronautics and Space	N/A	Big Idea Challenge	Design Competition	<a href="http://bigidea.nianet.org/">http://bigidea.nianet.org/</a>
National Institute of Aerospace	N/A	Revolutionary Aerospace Systems Concepts - Academic Linkage (RASC-AL)	Design Competition	<a href="http://rascal.nianet.org/">http://rascal.nianet.org/</a>
Society of Automotive Engineers (SAE)	N/A	Aero Design East	Design Competition	<a href="https://www.sae.org/attend/student-events/sae-aero-design-east/">https://www.sae.org/attend/student-events/sae-aero-design-east/</a>
	N/A	Aero Design West	Design Competition	<a href="https://www.sae.org/attend/student-events/sae-aero-design-west/">https://www.sae.org/attend/student-events/sae-aero-design-west/</a>
	N/A	Baja	Design Competition	<a href="https://www.bajasae.net/">https://www.bajasae.net/</a>
	N/A	Clean Snomobile Challenge	Design Competition	<a href="https://www.sae.org/attend/student-events/sae-clean-snomobile-challenge/">https://www.sae.org/attend/student-events/sae-clean-snomobile-challenge/</a>
	N/A	Formula Hybrid	Design Competition	<a href="https://www.sae.org/attend/student-events/formula-hybrid">https://www.sae.org/attend/student-events/formula-hybrid</a>
	N/A	Formula Electric	Design Competition	<a href="https://www.sae.org/attend/student-events/formula-sae-electric/">https://www.sae.org/attend/student-events/formula-sae-electric/</a>
Society of Hispanic Professional Engineers (SHPE)	SHPE National Convention	Various competitions	Design Competition	<a href="https://web.cvent.com/event/bec34cbb-a55f-4221-aa93-8eb17fc76432/summary">https://web.cvent.com/event/bec34cbb-a55f-4221-aa93-8eb17fc76432/summary</a>
Sigma Xi	Student Research Showcase	Science Communication Competition	Award	<a href="https://www.sigmaxi.org/meetings-events/student-research-showcase">https://www.sigmaxi.org/meetings-events/student-research-showcase</a>
Society of Women Engineers (SWE)	N/A	Collegiate Poster & Rapid Fire Competition	Poster	<a href="https://swe.org/awards/collegiate-competitions/">https://swe.org/awards/collegiate-competitions/</a>
	N/A	Team Tech Competition	Design Competition	<a href="https://swe.org/awards/collegiate-competitions/">https://swe.org/awards/collegiate-competitions/</a>
	N/A	Outstanding Collegiate Member Award	Award	<a href="https://swe.org/awards/individual-awards/">https://swe.org/awards/individual-awards/</a>